ANNUAL SUMMARY REPORT – 2022
FORMER SEARS FUEL SITE AND ADJACENT HOUNSFIELD HEIGHTS AREA
1620 – 14th AVENUE NW
CALGARY, ALBERTA
SUNCOR OUTLET NO. 9445
ALBERTA ENVIRONMENT AND PROTECTED AREAS (AEPA) FILE NO. 00141934

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March 31, 2023

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SUMMARY

Site	1630 - 14th Avenue NW; the Mall Property; 14th Avenue NW; Lions Park; and the adjacent Hounsfield Heights community
Type of Facility	Former Sears Fuel Site
Municipal Zoning	DC – Direct Control District S-SPR - Special Purpose - School, Park and Community Reserve R-C1 - Residential - Contextual One Dwelling
Applicable Soil Guidelines	Alberta Environment and Parks (AEP), 2022 Alberta Tier 1 and 2 Soil and Groundwater Remediation Guidelines; fine-grained and coarse-grained soils; commercial land use, residential land use, and commercial land use with a residential buffer. The freshwater aquatic life pathway has been eliminated.
Applicable Groundwater Guidelines	Alberta Environment and Parks (AEP), 2022 Alberta Tier 1 and 2 Soil and Groundwater Remediation Guidelines; fine-grained and coarse-grained soils; commercial land use, residential land use, and commercial land use with a residential buffer. The freshwater aquatic life pathway has been eliminated. Tier 2 guidelines for the vapour inhalation pathway have been calculated for selected areas.
Applicable Soil Vapour Guidelines	Calculated soil vapour quality guidelines protective of indoor air quality; fine-grained and coarse-grained soils; residential and commercial land use; for various depths.
Boreholes Advanced in 2022, Date of Drilling, and Wells Installed	Soil vapour wells SV324, SV325 and SV326 in September 2022 (by Clifton); sub-slab vapour well SV101 in October 2022 (by Clifton), and soil vapour wells SV500 to SV505 in December 2022 (by Parsons).
Date(s) of Groundwater Sampling	June 2022
Date(s) of Soil Vapour Sampling	February 10 to 17, 2022; May 24 and 25, 2022; June 27, 2022; and, September 26 to October 6, 2022
Boreholes with Soil Samples Collected in 2022 that Exceeded Guidelines	None

Monitoring wells with Groundwater Samples that Exceeded Guidelines in June 2022	11 of 115 monitoring wells sampled exceeded guidelines for the vapour inhalation pathway (BH1912, BH1915, BH1924, BH1971, BH1979, BH4002, BH4003A, BH4006, BH4007, EX-5, EX-7); 3 of 115 wells sampled exceeded the guidelines for the ecological direct soil pathway; 42 of 115 wells sampled exceeded the drinking water guidelines; for one or more petroleum hydrocarbon constituents (BTEX, F1, F2), or 1,2-Dichloroethane; monitoring well BH1704 contained 5 mm of liquid-phase hydrocarbons.
Soil Vapour wells with Soil Vapour Samples that Exceeded Guidelines in 2022	2 of 38 vapour wells sampled exceed the calculated guidelines (SV32, SV402)

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1.0 INTRODUCTION

Parsons Inc. (Parsons) was retained by Suncor Energy Products Partnership (Suncor) to provide an annual summary report for the Former Sears Fuel Site located at 1630 - 14th Avenue NW; also including the Mall Property; 14th Avenue NW; Lions Park; and the adjacent Hounsfield Heights community (collectively referred to as "the site"). These area designations are consistent with those previously established by others and have been retained by Parsons for the purpose of continuity.

This report has been prepared in accordance with Ministerial Order 09/2020 (Ministerial Order), issued on February 5, 2020 by Alberta Environment and Parks (AEP), now referred to as Alberta Environment and Protected Areas.

The purpose of the Annual Summary Report is to document the site activities completed between January 1, 2022 and December 31, 2022.

Site activities were completed under the direction of Clifton Engineering Group Inc. (Clifton) from January 1, 2022 to November 2022. Parsons was retained by Suncor in November 2022 and completed the field activities between December 1, 2022 and December 31, 2022.

2.0 COMMUNICATION

A communication strategy has previously been established by Suncor in accordance with the requirements of the Ministerial Order. The communication strategy and a summary of communications in 2022 are described below.

2.1 TWO-WAY COMMUNICATION STRATEGY

The key aims of the communication strategy are to provide landowners, stakeholders and the community a way to directly contact the Suncor management team, keep landowners and stakeholders up to date on the current remediation management and other activities occurring at the site, and, address concerns or questions in a meaningful and timely manner. In order to achieve this, Suncor has established communication channels via email, open houses, a website, and by phone.

Suncor has previously established a dedicated email address for landowners (hounsfieldheights@suncor.com). This email address is routinely monitored by, and provides direct access to, the Suncor environmental management team for Hounsfield Heights. The email address serves as an effective two-way communication strategy to allow the community to work collaboratively with Suncor by submitting questions and inquiries, and for Suncor to receive and respond to questions or inquiries in a timely manner. As part of the strategy and in accordance

with the Ministerial Order, the Suncor management team responds to all questions or inquiries received within 5 business days.

In addition to the dedicated email address, Suncor has hosted open houses, most recently in September 2022, to collaborate with community members through presentation and discussion, providing another avenue to achieve effective two-way communication between stakeholders and the Suncor management team.

Suncor has published and maintains a dedicated website for the site (www.suncor.com/hounsfield-heights) to provide regular status updates through bulletins, open house summaries and copies of the Annual Reports. In addition, the website stores all finalized and stamped monitoring and sampling reports and other environmental reports completed on behalf of Suncor. Reports detailing the 2022 site activities can be found on the website under the Environmental Reports dropdown menu. The website also includes 2019 and 2020 updates that were issued by Sears Canada Inc. (Sears).

The website also provides a link to the Alberta Environmental Site Assessment Repository (ESAR) which is the official repository of all historical communications and reporting to AEPA regarding the site.

2.2 KEY COMMUNICATIONS IN 2022

The following summarizes key communications conducted in 2022 by, or on behalf of, Suncor:

- Clifton, on behalf of Suncor, issued Hounsfield Heights Bulletins in the first and fourth quarters of 2022 to notify the community regarding:
    - the location and link to documents posted to the dedicated website;
    - environmental activities completed at the site;
    - upcoming plans for environmental activities;
    - how to contact the Suncor environmental management team for any questions and concerns, providing the dedicated email address; and,
    - the onboarding of Parsons to the environmental management team.

- An in-person open house was held on September 12, 2022. Representatives from Suncor, Clifton and Millenium EMS Solutions Ltd. (MEMS) presented environmental information on the current status of the site and provided an opportunity for attendees to ask questions; AEP (now AEPA) was also in attendance to answer questions from landowners and other stakeholders. Several attendees asked questions, including a representative of Wyndham Environmental Ltd. (Wyndham), who served as the Hounsfield Heights Landowners Group (HHLG) environmental consultant. MEMS assisted with answering

technical questions using the AIM Suite software to present contaminant and well data for specific areas;

- Distribution of a one-page document to residents summarizing risks for the community for the purposes of distributing to prospective buyers, as reported in the Q4 2022 bulletin;
- A response was compiled by MEMS for Suncor regarding the letter issued by Wyndham on behalf the HHLG. The response was posted on the dedicated website;
- New environmental reports and letter responses were uploaded to the dedicated website; and,
- Responses were provided directly via email or phone call to individuals who submitted a question or concern via the Hounsfield Heights email address.

2.3 PROPOSED CHANGES TO COMMUNICATION STRATEGY

The current communication strategy appears to be effective, and no changes are recommended at this time.

3.0 SUMMARY OF 2022 SITE ACTIVITIES

Site activities were completed under the direction of Clifton from January 1, 2022 to November 2022. Parsons was retained by Suncor in November 2022 and completed the field activities between December 1, 2022 and December 31, 2022.

The following field activities were conducted on behalf of Suncor in 2022:

- Three soil vapour wells (SV324, SV325, and SV326) were installed by Clifton in September 2022;
- One sub-slab sample location (SV101) was installed by Clifton in October 2022;
- Six soil vapour wells (SV500 to SV505) were installed by Parsons in December 2022;
- Groundwater samples were collected in June 2022 by Clifton;
- Soil vapour samples were collected by Clifton during four sampling events in February, May, June, and September/October 2022, in accordance with the semi-annual soil vapour program and/or the Risk Management & Contingency (RM&C) Program; and,

- The dual-phase extraction system continued to operate in 2022 and was monitored and maintained by Sequoia Environmental Remediation Inc. (Sequoia).

The following additional activities were completed during 2022:

- A Remedial Options Analysis was completed, and a report issued in January 2022 by Clifton (Clifton, 2022a), in support of the Revised Remediation Plan (Version 3.0) from March 2021;

- A Revised Remediation Plan (Version 4.0) was completed, and a report issued in March 2022 by Clifton (Clifton, 2022b), based on data collected up to and including 2021;

- A response was compiled by MEMS for Suncor in November 2022 (MEMS, 2022) to address the letter issued by Wyndham on behalf of the HHLG, entitled *Environmental Review and Evaluation of On-going Work Completed by Clifton on the Sears Plume (Ministerial Order 09-2020),* dated August 16, 2022; and,

- Soil vapour and groundwater guidelines for the soil vapour pathway were developed by Intrinsik Corp. (Intrinsik), on behalf of Suncor and Clifton, in December 2022 (Intrinsik, 2022);

A summary of the site activities can be found in the subsequent sections of this report. The field procedures for work conducted by Parsons were conducted in accordance with generally accepted industry practices. Field procedures for work conducted by Clifton are described in reports issued by Clifton; references to the applicable Clifton reports are included herein.

The site location map, also showing municipal zoning, is presented as Drawing No. 1. The grade elevations are shown on Drawing No. 2. A site plan showing the groundwater monitoring well and extraction well locations is presented as Drawing No. 3. A site plan showing the soil vapour well locations is presented as Drawing No. 4. It should be noted that soil vapour wells located on private property within the residential area are not shown on the drawings.

4.0 GUIDELINES REFERENCED

4.1 GENERAL APPROACH

A detailed review of the applicable regulatory guidelines is ongoing by Parsons, and until completed, the general approach to the guideline selection previously reported for the site (by others) has been referenced.

4.2 GUIDELINES IN EFFECT JANUARY 1 TO DECEMBER 31, 2022

The soil and groundwater guidelines in effect during 2022 (January 1 to December 31, 2022) for the site were the Alberta Tier 2 Soil and Groundwater Remediation Guidelines (AEP 2019a/b) for fine or coarse-grained soil and commercial or residential/parkland land use, excluding the freshwater aquatic life pathway.

Guidelines for soil vapour were developed in August 2016 by Intrinsik (Intrinsik, 2016) in accordance with the Protocol for the Derivation of Soil Vapour Quality Guidelines (CCME, 2014) and Alberta Environment and Parks (AEP) guidance (AEP, 2016a/b). Guidelines were developed for both commercial and residential/parkland land use, for various depths, protective of both indoor air quality and outdoor air quality. A summary of the soil vapour guidelines is presented in Appendix A. Additional details on the implementation of the soil vapour guidelines is provided in Section 6.1 below.

These guidelines were in effect during the 2022 calendar year and were referenced for the reports previously prepared during 2022.

4.3 GUIDELINES IN EFFECT JANUARY 1, 2023

The soil and groundwater guidelines in effect as of January 1, 2023 are the Alberta Tier 2 Soil and Groundwater Remediation Guidelines (AEP 2022a/b), with the freshwater aquatic life (FAL) pathway excluded. Guidelines referenced are fine-grained and coarse-grained soils, and for commercial and residential/parkland land use. Tier 2 guidelines are referenced for the vapour inhalation pathway for selected areas, as described below. In the northern area of the site, within 30 m of properties zoned for residential or parkland land use, vapour inhalation pathway guidelines (soil and groundwater) and ecological soil contact guidelines (for groundwater) for residential land use have been applied, as shown on Drawing No. 3. For areas of the site north of the Tier 2 guideline area as described below, Tier 1 guidelines for coarse-grained soil have been conservatively applied.

Other than the FAL pathway, no other pathways have been formally excluded at this time. Exclusion of the domestic use aquifer pathway may be re-evaluated in the future in accordance with the Alberta Tier 2 Soil and Groundwater Remediation Guidelines (AEP, 2022a/b) and/or the Guide to Excluding the Domestic Use Aquifer Based on Municipal Bylaws (AEP, 2022c).

Guidelines for soil vapour protective of indoor air quality were developed in 2022 by Intrinsik (Intrinsik, 2022) in accordance with the Protocol for the Derivation of Soil Vapour Quality Guidelines (CCME, 2014) using parameter values consistent with AEP guidance (AEP, 2022a/b). The guidelines were developed for both commercial and residential/parkland land use for various depths. A summary of the soil vapour guidelines is presented in Appendix A. Additional details

on the implementation of the soil vapour guidelines is provided in Section 6.1 below. These guidelines came into effect on January 1, 2023.

As part of the work conducted by Intrinsik in 2022 (Intrinsik, 2022), Tier 2 groundwater guidelines for the vapour inhalation pathway were calculated for some areas of the site, as shown on Drawing No. 3. For risk management purposes, in accordance with the Revised Remedial Plan (Version 4.0) (Clifton, 2022b), groundwater concentrations have been compared to the Tier 2 risk-based guidelines for the vapour inhalation pathway (Intrinsik, 2022). In the applicable areas (areas N1, N2, S1 and S2, as shown on Drawing No. 3), the calculated Tier 2 guidelines are used in place of the Tier 1 guidelines for the vapour inhalation pathway.

5.0 SOIL VAPOUR WELL INSTALLATION AND SOIL ANALYTICAL RESULTS

5.1 OVERVIEW OF 2022 SOIL VAPOUR WELL INSTALLATIONS

The following soil vapour wells or sub-slab sample locations were installed in 2022:

- SV324, SV325 and SV326 were installed as soil vapour wells on September 22, 2022 by Clifton to a maximum depth of 1.5 metres below ground surface (mbgs) on residential properties in the vicinity of SV32 and SV402;
- SV101 was installed as a sub-slab soil vapour well on October 3, 2022 by Clifton to a depth of 0.3 metres below foundation, beneath the basement slab on a residential property in the vicinity of SV32 and SV402; and,
- SV500 to SV505 were installed as soil vapour wells on December 8, 2022 by Parsons, to a depth of 1.2 mbgs, at locations previously chosen by Clifton, within the utility trench on 11th Avenue NW and in the alleyway between 14th Street NW and 15th Street NW.

The soil vapour well locations are shown on Drawing No. 4. The location of soil vapour wells located on private property are not included on the drawings (SV101, SV321, SV321B, SV322, SV323, SV324, SV325, and SV326).

5.2 INSTALLATION OF SOIL VAPOUR WELLS SV324 TO SV326 AND SUB-SLAB VAPOUR WELL SV101 (CLIFTON)

On September 22, 2022, Clifton advanced three boreholes and installed soil vapour wells (SV324, SV325, and SV326) to a depth of 1.5 mbgs, located on private residential properties. The soil vapour wells were installed approximately 1 metre (m) away from the house foundation(s). On October 3, 2022, Clifton installed a sub-slab sampling well to a depth of 0.3 metres below foundation, beneath the basement of a residential house. The soil vapour wells and the sub-slab well were installed in the general vicinity of SV32/SV402. Since these are located on private

property, the locations are not shown on the site plan. No soil samples were collected during drilling.

5.3 2022 Installation of Soil Vapour Wells SV500 to SV505 (Parsons)

5.3.1 Borehole Advancement

On December 8, 2022, Badger Daylighting Inc. was retained by Parsons to daylight six borehole locations to the total depth of 1.2 mbgs. The slurry generated during daylighting was disposed of at the GFL Environmental Services Inc. facility located in Calgary, Alberta.

5.3.2 Soil Sampling Protocols

Soil samples were collected from a depth of 1.2 m in each of the boreholes. A sidewall sampler was used to obtain grab samples. Each soil sample was immediately split, and one portion of the sample was sealed in a clean plastic bag for field screening, which included determining textural description and physical evidence of impact (e.g., staining, free product, odour). The remainder of the sample was promptly placed in containers supplied by the laboratory and stored in coolers with ice for possible analysis. The re-used sampling devices were washed prior to collection of each soil sample. Specifically, any excess soil was brushed off prior to scrubbing the sampling devices with a solution of phosphate-free detergent and water, rinsed with distilled water, and allowed to air dry. The soil samples submitted for analyses were collected (with minimal headspace) in 125 mL glass jars with Teflon-lined lids, 40 mL glass vials pre-charged with 10 mL methanol (using a clean disposable coring tool used to place approximately 5 g of soil in the vial) or in sealed plastic bags that were supplied by the laboratory. The samples were stored in coolers with ice prior to and during shipment to the laboratory.

Soil sampling details are presented on the borehole logs in Appendix B.

5.3.3 Laboratory Analysis

The soil samples collected from the boreholes were submitted for laboratory analysis of the following parameters: benzene, toluene, ethylbenzene, xylenes (BTEX); petroleum hydrocarbon (PHC) fractions F1 to F4; 1,2-Dibromoethane (1,2-DBA); 1,2-Dichloroethane (1,2-DCA); and naphthalene. Select samples were also submitted for particle size analysis.

The samples were submitted to an accredited laboratory. Analytical methods used by the laboratory are referenced in the certificates of analysis presented in Appendix C.

5.3.4 Quality Assurance and Quality Control Results

A quality assurance and quality control (QA/QC) program was implemented to reduce and quantify potential issues introduced during sample collection, handling, shipping, and analysis. The program included, but was not limited to, using dedicated sampling equipment, using sample specific identification and labelling procedures, and using chain of custody records.

The results of the laboratory QA/QC analysis are presented with the laboratory certificates of analysis in Appendix C. The analysis included method blanks, matrix duplicates, matrix spikes, and laboratory control samples. No laboratory QA/QC issues were identified that call into question the reliability of the laboratory data reported.

The soil QA/QC samples submitted to the laboratory included a soil field duplicate sample for BTEX; F1 to F4; 1,2-DBA; 1,2-DCA; and naphthalene. The results of the soil field QA/QC sample analysis are presented in Table D-1, in Appendix D. As indicated, no field QA/QC issues were identified that call into question the reliability of the lab data reported.

The laboratory and field QA/QC discussion are presented in Appendix C. In summary, no QA/QC issues were identified that would affect the overall conclusions of the soil assessment presented in this report.

5.3.5 Field Observations

The stratigraphic profile encountered in the boreholes was mainly silt to the maximum depth of 1.2 mbgs. Detailed stratigraphic descriptions are presented on the borehole logs in Appendix B.

5.3.6 Summary of Soil Analytical Results - 2022

The soil particle analysis for soil samples collected from boreholes SV500 and SV505 are presented in Table 1. The samples collected were determined to be classified as fine-grained soil.

The soil analytical results are presented and compared to the applicable guidelines in Table 2. As indicated, the soils samples collected were less than the applicable guidelines for the analyzed parameters.

6.0 SOIL VAPOUR SAMPLING PROGRAMS

A site plan showing the locations of the soil vapour wells is presented as Drawing No. 4. The location of soil vapour wells located on private property are not shown on the site plan (SV101, SV321, SV321B, SV322, SV323, SV324, SV325, and SV326).

6.1 SOIL VAPOUR GUIDELINE APPLICATION AND TRIGGER THRESHOLDS

As previously described, soil vapour guidelines developed by Intrinsik have been referenced (Intrinsik 2016/2022) and are summarized in Appendix A.

Soil vapour concentrations were also compared to 90% of the calculated soil vapour guidelines, which was used as a trigger threshold to increase the sample frequency (Clifton, 2023). This increased sampling frequency (four times per year) was to continue until five consecutive sampling events indicated concentrations less than 90% of the guidelines, or unless otherwise stipulated by the regulator. This approach was in effect during the 2022 calendar year, and was retained for this report.

The depth-specific soil vapour guidelines (Intrinsik, 2016/2022) have been referenced to depths below the residential default basement depth of 2.44 mbgs for soil vapour wells located in the residential-zoned area (including residential properties as well as the roadways in the residential-zoned area), or depths below the commercial slab-on-grade default depth of 0.1125 mbgs in the commercial-zoned area (AEP, 2022a).

For wells that were installed at depths potentially shallower than the default basement depths, for example those installed within the roadways' utility trenches, concentrations have been compared to the most stringent calculated soil vapour guidelines.

6.2 OTHER CONSIDERATIONS – SOIL VAPOUR

Some notes regarding the soil vapour assessment are summarized as follows:

- Soil vapour well total depths were obtained from information provided by Clifton, generally from drawings or tables;

- Basement information that was collected in 2016 during a door-to-door survey conducted by Clifton indicated that, in general, the majority of residences in the area have basements, several had sump pumps, and that basement depths in the area range from 1.2 to 3.0 mbgs (one exception was 4.9 mbgs). The construction year of the houses in the area ranged from approximately 1912 to newer construction. This information includes only those residences that replied, and does not account for re-development activities completed since the information was collected. The presence of earthen basements in the study area was noted by Clifton (Clifton, 2023);

- Due to the changes in topography/grade elevations throughout the area, as shown in Drawing No. 2, the grade elevation of the soil vapour wells can differ from the grade elevation of the nearby residential houses, notably for those soil vapour wells installed in

the roadway. Also, due to differences in grade elevation, many houses are located on sloping lots;

- At the time of preparation of this report, the transfer of site information and data, and confirmation of the data received by Parsons, was ongoing.

6.3 2022 Soil Vapour Sampling Program Description

Soil vapour samples were collected during 2022 by Clifton as a part of the semi-annual soil vapour program and the Risk Management & Contingency Plan (RM&C) Plan (Clifton, 2023). Soil vapour samples were collected and analyzed for one or more of: BTEX; aliphatic fractions; aromatic fractions; naphthalene; 1,2-DCA; and other volatile organic compounds (VOCs). Select samples were also analyzed for matrix gases (O_2, N_2, CO_2, and CH_4).

Soil vapour samples were collected during 2022 on the following dates:

- February 10 to 17, 2022 (RM&C program and semi-annual program);
- May 24 and 25, 2022 (RM&C program);
- June 27, 2022 (RM&C program); and,
- September 26 to October 6, 2022 (RM&C program and semi-annual program).

The RM&C program is detailed in the report entitled *Sears Canada Inc. Revised Soil Vapour Monitoring Program (Update Fall 2016), Hounsfield Heights and North Hill Mall, Calgary, Alberta* dated October 20, 2016 (Clifton, 2016). Soil vapour wells that were part of the RM&C program during part or all of 2022 included SV32, SV321B, SV322, SV323, SV401, SV402, SV403, and SV404. The remainder of the wells were sampled as part of the semi-annual monitoring program.

6.4 Summary of Soil Vapour Analytical Results - 2022

The soil vapour analytical results for samples collected in 2022 for BTEX, aliphatic and aromatic fractions, 1,2-DCA, and naphthalene, and other VOCs are presented in Table 3. A spatial summary of the soil vapour analytical results for benzene and 1,2-DCA, compared to the guidelines, is presented as Drawing No. 5.

As indicated, one or more of the analyzed parameters exceeded the guidelines during at least one of the 2022 sampling events as follows:

- SV32 (total depth 1.0 mbgs) and SV402 (total depth 1.5 mbgs), located in the laneway between 14th and 15th Streets NW, was sampled in February, May, June, and October 2022. Soil vapour concentrations exceeded the guidelines for benzene, toluene, xylenes and/or aliphatic fraction C6-C8 for samples collected on May 25 and/or June 27, 2022; concentrations in a subsequent sample on October 5, 2022 were less than the guidelines.

The depth to groundwater in nearby groundwater well BH5001 was approximately 1.5 mbgs (screened 1.5 – 3.05 mbgs). Nearby soil vapour wells SV401 also located in the roadway (total depth 1.5 mbgs), SV323 (total depth 1 mbgs) and SV321B (total depth 1.04 – 1.09 mbgs) located between SV32/SV402 and two nearby residential houses, were less than the guidelines for samples collected on all three sampling dates in 2022 (February, May and October 2022).

Soil vapour samples from the remainder of the soil vapour wells sampled in 2022 did not exceed the guidelines, as presented in Table 3 and Drawing No. 5.

Soil vapour well SV26B (total depth 3.5 mbgs), located on 11th Avenue NW, was sampled in February and October 2022. The soil vapour concentrations measured in February 11, 2022 were elevated, however these results were inconsistent with samples collected prior to or since that date; concentrations in the sample collected on October 1, 2022 were less than the laboratory detection limits. Additional sampling is recommended to confirm the concentrations in SV26B, as described in Section 9.0, as well as a review of site-specific basement depths in the area of SV26B.

6.5 2022 Soil Vapour Reports Issued

Semi-annual or RM&C soil vapour sampling reports prepared for the 2022 sampling events, by Clifton, are summarized as follows:

Sampling Event	Report Title	Report Date and Author	Program
Feb. 2022	Soil Vapour Sampling Report, Winter 2022, Hounsfield Heights, Calgary, Alberta 9445	Jul. 8, 2022, by Clifton	Semi-annual, RM&C
May & June 2022	Risk Management & Contingency Plan-Based Soil Vapour Sampling Report, Spring 2022, Hounsfield Heights, Calgary 9445, Alberta	Nov. 4, 2022, by Clifton	RM&C
Sep. to Oct. 2022	Soil Vapour Sampling Report, Fall 2022, Hounsfield Heights, Calgary, Alberta 9445	Jan. 20, 2023, by Clifton	Semi-annual, RM&C

The reports referenced above were prepared prior to the December 2022 guideline development work conducted by Intrinsik, and therefore reference the guidelines in effect at the time of sampling.

The laboratory certificates of analysis of the soil vapour analytical results are presented in the above-referenced reports.

7.0 GROUNDWATER MONITORING AND SAMPLING

A site plan showing the locations of the groundwater monitoring wells, including the areas of Tier 2 guideline application for the vapour inhalation pathway, is presented as Drawing No. 3.

The interpreted geological units (Units 1 to 5) previously established by others have been retained herein for the purpose of continuity.

7.1 2022 GROUNDWATER MONITORING AND SAMPLING PROGRAM DESCRIPTION

Between May 30, 2022 and June 24, 2022, the groundwater monitoring wells were monitored and sampled by Clifton (Clifton, 2022d). Groundwater wells were monitored for subsurface vapour concentrations, water levels, and the apparent thickness of liquid phase petroleum hydrocarbons (LPH). Groundwater samples were collected and analyzed for one or more of: BTEX; PHC fractions F1 and F2; and 1,2-DCA. Select samples were also analyzed for routine chemistry (select inorganic and salinity parameters).

Groundwater samples were collected either by hydrasleeve or by a dedicated disposable bailer, as summarized in the below-referenced report (Clifton, 2022d).

7.2 2022 GROUNDWATER REPORTS ISSUED

The groundwater monitoring and sampling report prepared for the June 2022 sampling event, by Clifton, is summarized as follows:

Sampling Event	Report Title	Report Date and Author	Program
May & June 2022	May/June 2022, Monitoring and Sampling Event	Sept. 28, 2022, by Clifton (Clifton, 2022d)	Semi-annual

The laboratory certificates of analysis of the groundwater analytical results are presented in the above-referenced report.

7.3 GROUNDWATER MONITORING AND THICKNESSES OF LIQUID PHASE PETROLEUM HYDROCARBONS (LPH)

Groundwater elevations measured in the monitoring wells between May 30, 2022 and June 24, 2022, by Clifton, are presented in Appendix E (reproduced from Table 1A in Appendix A, Clifton, 2022d).

The depth to water varies with the grade elevation and the geological unit, varying from approximately 1 to 14 mbgs. Generally, groundwater is deeper in the northern areas of the site, and shallower in the southern areas.

As shown in Appendix E, 5 millimetres (mm) of LPH were measured in monitoring well BH1704 on May 31, 2022. Overall, the LPH thickness measured in monitoring well BH1704 does not appear to be increasing with time. There was no LPH detected in the other wells monitored during the May/June 2022 monitoring event.

7.4 GROUNDWATER FLOW

The apparent direction of groundwater flow during the May/June 2022 monitoring event was generally towards the south-southeast (Clifton, 2022d), which is consistent with the direction of groundwater flow previously reported. Drawings showing the inferred direction of groundwater flow for the May/June 2022 monitoring event were prepared by Clifton, and are reproduced in Appendix F.

7.5 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - 2022

Groundwater analytical results for samples collected during the June 2022 sampling event are summarized in Table 4. A spatial summary of the concentrations are shown as Drawing Nos. 6a and 6b for benzene, and Drawing Nos. 7a and 7b for 1,2-DCA. Results are compared to the groundwater guidelines for the domestic use aquifer exposure pathway, as well as the most stringent guideline of the remaining applicable pathways (the vapour inhalation or the ecological soil contact pathway).

As indicated, one or more of the analyzed parameters exceeded the referenced guidelines for some monitoring wells for the June 2022 sampling event. Results are summarized as follows:

- 11 of 115 monitoring wells sampled exceeded the applicable guidelines for the vapour inhalation pathway (BH1912, BH1915, BH1924, BH1971, BH1979, BH4002, BH4003A, BH4006, BH4007, EX-5, EX-7) for one or more petroleum hydrocarbon constituents (BTEX, F1, F2) or 1,2-DCA;

- 3 of 115 monitoring wells sampled exceeded the guidelines for the ecological direct soil pathway (BH1704, BH1905, EX-6) for one or more petroleum hydrocarbon constituents (BTEX, F1, F2);

- 42 of 115 monitoring wells sampled exceeded the domestic use aquifer pathway guidelines for one or more petroleum hydrocarbon constituents (BTEX, F1, F2) or 1,2-DCA;

- The wells located on the southernmost extent of the site, in the vicinity of 10th Avenue NW, and installed within geological units 3, 4, and/or 5, did not exceed the guidelines (and were also less than the laboratory detection limits) for benzene and 1,2-DCA, as shown on Drawing Nos. 6a/b and 7a/b.

7.6 TREND ANALYSIS

Trend analysis was conducted in accordance with the Revised Remediation Plan (RRP) (Version 4.0) (Clifton, 2022b). The concentration trend analyses included visual inspection of the concentration changes over time and statistical analysis with the Mann-Kendall method using ProUCL (USEPA, 2022). A description of the Mann-Kendall analysis and the trend decision logic is included in Appendix G. Benzene and 1,2-DCA were selected to represent the overall trends at the site and analytical data from 2013 to 2022 was used in the analysis. Data sets that contained a high proportion of non-detect values (values less than the laboratory detection limits), or that have been non-detect during at least the last three sampling events, or wells that had LPH, have been excluded from the statistical trend analysis. Additional details on the data selection are included in Appendix G.

Charts showing groundwater concentrations with time for 1,2-DCA, BTEX, and F1 are presented in Appendix G.

The results of the Mann-Kendall trend analysis for benzene and 1,2-DCA are provided in Table 5 and are shown on Drawing No. 8, and are summarized as follows:

- 32 of 44 monitoring wells indicated decreasing, probably decreasing, stable, or no trends. Wells with decreasing or probably decreasing trends are mainly located in the areas south of the mall property, in Lions Park, in the residential area south of Lions Park, and north of 11th Avenue NW, as well as in wells immediately downgradient of the Permeable Reactive Barrier (PRB) in 11th Avenue NW.

- 12 of 44 monitoring wells indicated increasing, or probably increasing trend for either benzene and/or 1,2-DCA:

    - BH1906, BH1907, BH4003A, BH4003B, and BH4007, located on the mall property or in Lions Park, all screened within Unit 3; and,

    - BH1944, BH1954, BH1977, BH1979, BH2001, BH2005, and BH2006, located south of 11th Avenue NW.

As noted above, the samples collected in June 2022 from the groundwater monitoring wells located on the southernmost extent of the site, in the vicinity of 10th Avenue NW, and installed within geological units 3, 4, and/or 5, did not exceed the guidelines (and were also less than the laboratory detection limits) for benzene and 1,2-DCA, as shown on Drawing Nos. 6a/b and 7a/b.

7.7 NATURAL ATTENUATION ASSESSMENT

Sampling of selected water quality parameters for evaluation of monitored natural attenuation (MNA) was completed in 2022 in accordance with the RRP (Version 4.0) (Clifton, 2022b). A

preliminary review of natural attenuation results is ongoing; additional recommendations for monitoring of natural attenuation progress are included in Section 9.0 below.

7.8 PERMEABLE REACTIVE BARRIER PERFORMANCE MONITORING

In November/December 2019, under direction of Clifton (Clifton, 2020), a PRB was installed along a portion of 11th Avenue NW, involving the injection of PlumeStop™ and Oxygen Release Compound-Advanced (ORC-A). This included 57 injection locations to a maximum depth of approximately 19.2 mbgs. The total length of the barrier was approximately 165 m and injection locations were spaced approximately 3.05 m apart. Pilot testing was completed prior to this in August 2016 involving nine injection points, at a depth range of 6.1 to 8.8 mbgs, and in September 2018 involving three injection points, at a depth range of 7.6 to 14.9 mbgs. The location of the PRB is shown on Drawing No. 3. Groundwater monitoring wells BH1928, BH1929, BH1936, BH1937, BH1939, BH1954 and BH1982 were identified as performance monitoring wells (Clifton, 2020).

Concentrations of BTEX, F1, and 1,2-DCA were reduced in these wells compared to pre-injection concentrations, and in many cases concentrations have been reduced to less than or approaching the laboratory detection limits and/or the drinking water guideline, as demonstrated in concentrations measured in BH1928, BH1929, BH1936, BH1937, BH1939, and BH1982, (with the exception of 1,2-DCA concentrations in monitoring well BH1954). Monitoring well BH1954 (screened 5.5 – 13.1 mbgs, in Unit 3) contained BTEX and F1 that were less than the lab detection limits in June 2022, but indicates an increasing trend for 1,2-DCA, with the 1,2-DCA concentration measured in June 2022 (0.009 mg/L) exceeding the drinking water guideline (0.005 mg/L) but less than the guideline for the vapour inhalation pathway (0.2 mg/L). Monitoring well BH1954 is located further away from the PRB than the other performance monitoring wells.

Overall, in the identified performance monitoring wells, concentrations of BTEX, F1, F2 and 1,2-DCA have generally been reduced as compared to concentrations measured pre-injection, and are less than the guidelines for the vapour inhalation pathway for the most recent sampling events.

7.9 OTHER CONSIDERATIONS - GROUNDWATER

Some notes of interest regarding the groundwater assessment are summarized as follows:

- The interpreted geological units (Units 1 to 5) previously established by others have been retained herein for the purpose of continuity, and have been sourced from the *May/June 2022 Monitoring and Sampling Event* (Clifton, 2022d);

- Analytical groundwater data from 2018 to 2022 was sourced from Tables 6, 7 and 8 in the report entitled *May/June 2022 Monitoring and Sampling Event* (Clifton, 2022d), for BTEX, F1, F2, 1,2-DCA and routine water quality parameters; and,

- Groundwater analytical data for wells BH1937 and BH1939 for samples collected on October 28, 2016 were identified as anomalous. The data continues to be included in the tables but is not used for data analysis or interpretation herein (such as for the trend analysis).

8.0 DUAL PHASE VAPOUR EXTRACTION (DVPE) SYSTEM

8.1 DPVE SYSTEM OPERATIONS DURING 2022

A Dual Phase Vapour Extraction (DPVE) system was installed in November 2008 by Ground Effects Environmental Services Inc. on behalf of Clifton, and became operational in October 2010. Operations were suspended in early October 2010 and resumed on July 27, 2011 (Clifton, 2011).

The DPVE system operated on a header/extraction well network connected to seven extraction wells (EX-1 to EX-7), as shown on Drawing No. 3. A list of the extraction wells connected to the system throughout the year are shown in Table 6.

During 2022, system operation and maintenance was completed by Sequoia, on behalf of Clifton (until November 2022) or Parsons (starting November 2022).

As a part of system operation, Sequoia monitored performance parameters on a generally weekly basis. The system was generally operational throughout 2022, except while monitoring and sampling events were being conducted, and for periods of system maintenance, as summarized in Table 6. The system experienced a timer malfunction between October 6 and October 14, 2022, and was shut off intermittently between October 14 and November 17, 2022 for system maintenance. As such, system monitoring data collected on the October 14 and November 17 monitoring dates are presented in Table 6 but were not used for interpretation or calculation of the extraction volumes.

The results of the DPVE system monitoring between December 30, 2021 and December 28, 2022 are presented in Table 6, and are summarized as follows:

- Approximately 267,420 Litres (L) of groundwater was extracted, treated by the system, and subsequently discharged to the City of Calgary's sanitary sewer system; and,

- In vapour phase, an equivalent LPH volume of approximately 311 L was removed by the DPVE system.

Fluctuations in the estimated extraction rate can be the result of soil moisture variations, water table fluctuations, barometric pressure changes, temperature fluctuations, drop-tube depths, as well as system shutdowns and restart following site monitoring event and/or system maintenance.

Treated water is discharged to the City sanitary sewer in accordance with the requirements in The City of Calgary (City) discharge permit number GW-0128, issued on January 6, 2020 and effective until December 31, 2022. The effluent of the DVPE system was sampled three times in 2022 by Clifton (April, July, and November), and once by Parsons (December). The results were reported to the City for the first three quarters by Clifton. The results for the final quarter were reported to the City by Parsons. Monthly volume discharge reports were also provided to the City under the scope of the same permit, by Clifton, for January to December 2022.

8.2 DPVE System Effectiveness Evaluation

Parsons preliminary review of the effectiveness of the DPVE system is in progress as of the date of this report.

9.0 DATA GAPS, FUTURE WORK, AND CHANGES TO THE PROGRAM

The transition of site data and information to Parsons, and a review of the data provided, is ongoing and is expected to continue in 2023. Revisions or refinement to the items outlined below may be proposed as the evaluation of the site data/information is completed.

The following work is proposed for 2023 and onwards:

Activity	Description	Schedule/ Implementation
Plume Monitoring	• Semi-annual groundwater sampling.	• January and July/August 2023
	• Assessment of dissolved trends in groundwater.	• Annual report (March 31, 2024)
	• Sampling and assessment of natural attenuation.	• Annual report (March 31, 2024)
	• Hydraulic conductivity testing on selected groundwater monitoring wells.	• August/September 2023

Activity	Description	Schedule/ Implementation
Risk Management	• Semi-annual soil vapour sampling.	• January and September/October 2023
	• Quarterly soil vapour sampling of the RM&C-identified wells in the vicinity of SV32/SV402, and sampling of SV26A/B/C.	• January, May, September/ October, December 2023
	• Re-evaluation of the guidelines, including the possibility of eliminating the domestic use aquifer exposure pathway.	• On-going
Source Removal, Plume Expansion Control	• DPVE system optimization	• On-going
	• Continued operation of the DVPE system	• On-going
	• Assessment of the effectiveness of the current PRB	• On-going
	• Remedial Options Evaluation	• Q2/Q3 2023
Communication	• Community bulletins	• April, June, September, and December 2023.
	• Open house	• Q4 2023
	• Communication strategy	• On-going

10.0 LIMITATION OF LIABILITY, SCOPE OF REPORT AND THIRD-PARTY RELIANCE

This report has been prepared and the work referred to in this report has been undertaken by Parsons for Suncor Energy Products Partnership (Suncor). It is intended for the sole and exclusive use of Suncor Energy Inc., its affiliated companies and partners and their respective insurers, agents, employees and advisors (collectively, "Suncor"). Any use, reliance on or decision made by any person other than Suncor based on this report is the sole responsibility of such other person. Suncor and Parsons make no representation or warranty to any other person with regard to this report and the work referred to in this report and they accept no duty of care to any other person or any liability or responsibility whatsoever for any losses, expenses, damages, fines, penalties or other harm that may be suffered or incurred by any other person as a result of the use of, reliance on, any decision made or any action taken based on this report or the work referred to in this report.

The investigations undertaken by Parsons with respect to this report and any conclusions or recommendations made in this report reflect Parsons' judgement based on the site conditions observed at the time of the site inspection on the date(s) set out in this report and on information examined at the time of preparation of this report. This report has been prepared for specific application to this site and it is based, in part, upon visual observation of the site, subsurface investigation at discrete locations and depths, and specific analysis of specific chemical parameters and materials during a specific time interval, all as described in this report. Unless otherwise stated, the findings cannot be extended to previous or future site conditions, portions of the site which were unavailable for direct investigation, subsurface locations which were not investigated directly, or chemical parameters, materials or analysis which were not addressed in the report. Substances other than those addressed by the investigation described in this report may exist within the site, substances addressed by this investigation may exist in areas of the site not investigated and concentrations of substances addressed which are different than those reported may exist in areas other than the locations from which samples were taken.

If site conditions or applicable standards change or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary.

Other than by Suncor, copying or distribution of this report or use of or reliance on the information contained herein, in whole or in part, is not permitted without the express written permission of Parsons. Nothing in this report is intended to constitute or provide a legal opinion.

11.0 CLOSURE

We trust the foregoing information is satisfactory for your requirements. If there are any questions or concerns regarding this report, please do not hesitate to contact the undersigned.

Respectfully submitted,

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RM SIGNATURE:
RM APEGA ID #: 66441
DATE: 2023-06-09
PERMIT NUMBER: P007013
The Association of Professional Engineers and Geoscientists of Alberta (APEGA)

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TABLE 1

RESULTS OF GRAIN SIZE ANALYSIS

Sample Location	Sample Depth (mbgs)	Date Sampled (yyyy/mm/dd)	Alberta Soil Particle Size Analysis:	
			<0.075 mm[a] (%)	Grain Size Classification[b]
SV500-1.2	1.2	2022/12/08	65	Fine
SV505-1.2	1.2	2022/12/08	81	Fine

a - On the portion of soil <2.0 mm.

b - Fine-grained or coarse-grained soil in accordance with the Alberta Tier 1 Soil and Groundwater Remediation Guidelines (Alberta Environment and Parks, 2022);
Soil is classified as fine-grained if >50 wt% of soil particles have mean diameter <75 µm, and coarse-grained if >50 wt% of soil particles have mean diameter >75 µm;
Prior to Jan 10, 2019 includes soil > 75 µm; after Jan 10, 2019 includes soil >75 µm to 2.0 mm.

mbgs - metres below ground surface

TABLE 2

RESULTS OF SOIL CHEMICAL ANALYSES AND GUIDELINES

Sample Location	Depth (m)	CONSTITUENT Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Petroleum Hydrocarbons F1 (C6-C10)[c]	Petroleum Hydrocarbons F2 (>C10-C16)[d]	Petroleum Hydrocarbons F3 (>C16-C34)[e]	Petroleum Hydrocarbons F4 (>C34-C50)	1,2-Dibromoethane	1,2-Dichloroethane	Naphthalene
SV500-1.2	1.2	2022-12-08	<0.005	<0.05	<0.01	<0.05	<10	<10	17	<10	<0.01	<0.002	<0.005
SV501-1.2	1.2	2022-12-08	<0.005	<0.05	<0.01	<0.05	<10	<10	15	<10	<0.01	<0.002	<0.005
SV502-1.2	1.2	2022-12-08	<0.005	<0.05	<0.01	<0.05	<10	<10	43	40	<0.01	<0.002	<0.005
	1.2	2022-12-08 Dup	<0.005	<0.05	<0.01	<0.05	<10	<10	52	27	<0.01	<0.002	<0.005
SV503-1.2	1.2	2022-12-08	<0.005	<0.05	<0.01	<0.05	<10	<10	28	34	<0.01	<0.002	<0.005
SV504-1.2	1.2	2022-12-08	<0.005	<0.05	<0.01	<0.05	<10	<10	28	15	<0.01	<0.002	<0.005
SV505-1.2	1.2	2022-12-08	<0.005	<0.05	<0.01	<0.05	<10	<10	14	<10	<0.01	<0.002	<0.005
		Guidelines[a]	**0.046[1]**	**0.52[1]**	**0.073[1]**	**0.99[1]**	**210[2]**	**150[2]**	**1300[2]**	**5600[2]**	**NG**	**0.025[1]**	**28[1]**
		Guidelines[b]	**0.015[4]**	**0.95[1]**	**0.14[1]**	**1.9[1]**	**24[4]**	**130[4]**	**300[2]**	**2800[2]**	**NG**	**0.0027[4]**	**9.6[4]**

a - Alberta Tier 1 Soil and Groundwater Remediation Guidelines (AEP, 2022);
Soil Remediation Guidelines for Residential/Parkland Land Use and Fine-Grained Soils (Freshwater Aquatic Life Pathway Excluded).

b - Alberta Tier 1 Soil and Groundwater Remediation Guidelines (AEP, 2022);
Soil Remediation Guidelines for Residential/Parkland Land Use and Coarse-Grained Soils (Freshwater Aquatic Life Pathway Excluded).

c - BTEX have been subtracted from the fraction.

d - Naphthalene has not been subtracted from the fraction.

e - PAHs have not been subtracted from the fraction.

"NA" - Not analyzed.

mbgs - metres below ground surface

NG - No guideline.

Dup - Duplicate sample.

BOLD - Exceeds applicable guideline.

Results for all parameters are reported in milligrams per kilogram (mg/kg), unless otherwise specified.

The specific date each sample was analyzed is presented in the laboratory Certificates of Analysis.

1 - Protection of Domestic Use Aquifer

2 - Ecological Direct Soil Contact

3 - Human Direct Soil Contact

4 - Vapour Inhalation - Slab

TABLE 3a

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
PETROLEUM HYDROCARBON PARAMETERS, 1,2-DICHLOROETHANE, AND NAPHTHALENE

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Area	Original Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Aliphatic C6-C8	Aliphatic >C8-C10	Aliphatic >C10-C12	Aliphatic >C12-C16	Aromatic C6-C8	Aromatic >C8-C10	Aromatic >C10-C12	Aromatic >C12-C16	F1 C6-C10	F1 minus BTEX C6-C10	F2 >C10-C16	1,2-Dichloro-ethane	Naphthalene
Guidelines[a]:																							
Residential: fine or coarse-grained; <1 m beneath foundation							6.3E+01	1.1E+05	1.0E+05	4.9E+03	9.2E+05	4.8E+04	5.0E+04	5.0E+04	NG	8.1E+03	1.0E+04	1.0E+04	NG	NG	NG	3.8E+01	4.5E+02
Residential: fine-grained: 1 m beneath foundation							3.0E+04	5.5E+07	4.9E+07	2.4E+06	4.7E+08	2.5E+07	2.6E+07	2.6E+07	NG	4.2E+06	5.1E+06	5.1E+06	NG	NG	NG	1.8E+03	2.3E+04
Residential: fine-grained: 1.5 m beneath foundation							3.2E+04	5.7E+07	5.1E+07	2.5E+06	5.0E+08	2.6E+07	2.7E+07	2.7E+07	NG	4.5E+06	5.5E+06	5.5E+06	NG	NG	NG	1.9E+03	2.4E+04
Residential: fine-grained: 2 m beneath foundation							3.3E+04	5.9E+07	5.3E+07	2.6E+06	5.3E+08	2.8E+07	2.9E+07	2.9E+07	NG	4.7E+06	5.8E+06	5.8E+06	NG	NG	NG	1.9E+03	2.5E+04
Residential: fine-grained: 2.5 m beneath foundation							3.4E+04	6.1E+07	5.6E+07	2.7E+06	5.6E+08	2.9E+07	3.1E+07	3.1E+07	NG	5.0E+06	6.1E+06	6.1E+06	NG	NG	NG	2.0E+03	2.7E+04
Residential: fine-grained: 3 m beneath foundation							3.5E+04	6.3E+07	5.8E+07	2.8E+06	5.9E+08	3.1E+07	3.2E+07	3.2E+07	NG	5.3E+06	6.5E+06	6.5E+06	NG	NG	NG	2.0E+03	2.8E+04
Residential: coarse-grained: 1 m beneath foundation							4.1E+03	7.4E+06	6.8E+06	3.3E+05	7.4E+07	3.9E+06	4.0E+06	4.0E+06	NG	6.6E+05	8.1E+05	8.1E+05	NG	NG	NG	2.3E+02	3.4E+03
Residential: coarse-grained: 1.5 m beneath foundation							4.7E+03	8.5E+06	8.0E+06	3.9E+05	9.0E+07	4.7E+06	4.9E+06	4.9E+06	NG	8.0E+05	9.9E+05	9.9E+05	NG	NG	NG	2.7E+02	4.1E+03
Residential: coarse-grained: 2 m beneath foundation							5.3E+03	9.7E+06	9.2E+06	4.5E+05	1.1E+08	5.6E+06	5.8E+06	5.8E+06	NG	9.5E+05	1.2E+06	1.2E+06	NG	NG	NG	3.0E+02	4.8E+03
Residential: coarse-grained: 2.5 m beneath foundation							6.0E+03	1.1E+07	1.0E+07	5.0E+05	1.2E+08	6.5E+06	6.7E+06	6.7E+06	NG	1.1E+06	1.3E+06	1.3E+06	NG	NG	NG	3.3E+02	5.5E+03
Residential: coarse-grained: 3 m beneath foundation							6.6E+03	1.2E+07	1.2E+07	5.6E+05	1.4E+08	7.3E+06	7.6E+06	7.6E+06	NG	1.2E+06	1.5E+06	1.5E+06	NG	NG	NG	3.6E+02	6.1E+03
SV01		4.5	27-Jun-22		Commercial	1	<0.50	6.56	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV07		5.0	12-Jul-21		Residential	7	<0.64	2.37	2.26	6.8	<15	<15	<15	<15	34	<15	<15	<15	34	23	<15	<0.41	<5.2
		5.0	1-Oct-22		Residential	7	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV08		4.0	12-Jul-21		Residential	8	<0.64	3.09	<0.87	<2.2	<15	20	18	<15	<15	<15	<15	<15	20	15	18	<0.41	<5.2
		4.0	14-Feb-22		Residential	8	1.09	<0.75	<0.87	<2.2	24	<15	<15	<15	<15	<15	<15	<15	24	23	<15	<0.41	<5.2
	Dup	4.0	14-Feb-22		Residential	98	1.05	<0.75	<0.87	<2.2	23	<15	<15	<15	<15	<15	<15	<15	23	22	<15	<0.41	<5.2
		4.0	30-Sep-22		Residential	8	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
	Dup	4.0	30-Sep-22		Residential	98	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV09	Dup	4.0	12-Jul-21		Residential	99	<0.64	5.24	2.08	4.5	<15	15	17	<15	<15	<15	<15	<15	15	<15	17	<0.41	<5.2
		4.0	12-Jul-21		Residential	9	0.73	3.32	<0.87	<2.2	<15	<15	16	<15	<15	<15	<15	<15	<15	<15	16	0.45	<5.2
		4.0	14-Feb-22		Residential	9	0.93	<0.75	<0.87	<2.2	18	<15	<15	<15	<15	<15	<15	<15	18	17	<15	<0.41	<5.2
		4.0	30-Sep-22		Residential	9	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV10		1.0	12-Jul-21		Residential	10	<0.64	0.83	<0.87	<2.2	<15	<15	19	<15	<15	<15	<15	<15	<15	<15	19	<0.41	<5.2
		1.0	10-Feb-22		Residential	10	1.02	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	26-Sep-22		Residential	10	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV11		1.5	15-Jul-21		Residential	11	<0.64	2.60	<0.87	<2.2	<15	<15	21	<15	<15	<15	<15	<15	<15	<15	21	<0.41	<5.2
		1.5	17-Feb-22		Residential	11	1.66	<0.75	<0.87	<2.2	27	<15	<15	<15	<15	<15	<15	<15	27	25	<15	<0.41	<5.2
		1.5	6-Oct-22		Residential	11	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV20		3.5	14-Jul-21		Residential	20	0.67	3.69	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		3.5	15-Feb-22		Residential	20	54.9	1.66	5.21	10.7	3001	33	<15	<15	<15	<15	<15	<15	3030	2960	<15	<0.41	<5.2
		3.5	28-Sep-22		Residential	20	0.80	1.92	<0.87	<1.8	29	404	1138	<15	<15	<15	<15	<15	433	430	1140	<0.41	<5.2
SV21		3.5	14-Jul-21		Residential	21	1.21	1.02	<0.87	<2.2	67	19	15	<15	<15	<15	<15	<15	86	84	15	<0.41	<5.2
		3.5	15-Feb-22		Residential	21	15.2	0.75	1.43	3.0	44	<15	<15	<15	<15	<15	<15	<15	44	24	<15	<0.41	<5.2
		3.5	28-Sep-22		Residential	21	<0.50	<0.75	<0.87	<1.8	21	<15	<15	<15	<15	<15	<15	<15	21	21	<15	<0.41	<5.2
SV22		4.0	14-Jul-21		Residential	22	0.86	1.85	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		4.0	15-Feb-22		Residential	22	1.15	<0.75	<0.87	<2.2	25	<15	<15	<15	<15	<15	<15	<15	25	24	<15	<0.41	<5.2
		4.0	28-Sep-22		Residential	22	1.63	4.97	<0.87	2.1	40	<15	<15	<15	<15	<15	<15	<15	40	31	<15	<0.41	<5.2

a - For the full set of depth-specific guidelines, for commercial and residential land use, fine-grained and coarse-grained guidelines, refer to Appendix A, and/or the report entitled *Development of Soil Vapour and Groundwater Quality Guidelines, Prepared by Intrinsik Corp. for Suncor Energy Products Partnership. December 2022.*
The RM&C Plan screening threshold is 90% of the guidelines; see report text for additional details. Guidelines <1 m beneath foundation are based on default attenuation coefficient of 0.01 (AEP 2022b).
b - Awaiting confirmation of analytical data for all analytes.
c - Awaiting well depth confirmation.
d - Data appears to be anomalous and is inconsistent with prior and subsequent sampling events; additional sampling is recommended.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Italics - Greater than 90% of referenced guidelines (screening threshold).
Underline - Detection limit exceeds guideline.
Shaded Calculated guideline value results in a vapour concentration greater than the maximum possible vapour concentration for that chemical, assuming no NAPL is present. Maximum vapour concentration calculated according to Health Canada (2010) guidance.
BOLD - Exceeds referenced guidelines.
Results for all parameters are reported in micrograms per metre cubed ($\mu g/m^3$), unless otherwise specified.
Notes: All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3a

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
PETROLEUM HYDROCARBON PARAMETERS, 1,2-DICHLOROETHANE, AND NAPHTHALENE

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Area	Original Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Aliphatic C6-C8	Aliphatic >C8-C10	Aliphatic >C10-C12	Aliphatic >C12-C16	Aromatic C6-C8	Aromatic >C8-C10	Aromatic >C10-C12	Aromatic >C12-C16	F1 C6-C10	F1 minus BTEX C6-C10	F2 >C10-C16	1,2-Dichloro-ethane	Naphthalene
Guidelines[a]:																							
Residential: fine or coarse-grained; <1 m beneath foundation							6.3E+01	1.1E+05	1.0E+05	4.9E+03	9.2E+05	4.8E+04	5.0E+04	5.0E+04	NG	8.1E+03	1.0E+04	1.0E+04	NG	NG	NG	3.8E+01	4.5E+02
Residential: fine-grained: 1 m beneath foundation							3.0E+04	5.5E+07	4.9E+07	2.4E+06	4.7E+08	2.5E+07	2.6E+07	2.6E+07	NG	4.2E+06	5.1E+06	5.1E+06	NG	NG	NG	1.8E+03	2.3E+04
Residential: fine-grained: 1.5 m beneath foundation							3.2E+04	5.7E+07	5.1E+07	2.5E+06	5.0E+08	2.6E+07	2.7E+07	2.7E+07	NG	4.5E+06	5.5E+06	5.5E+06	NG	NG	NG	1.9E+03	2.4E+04
Residential: fine-grained: 2 m beneath foundation							3.3E+04	5.9E+07	5.3E+07	2.6E+06	5.3E+08	2.8E+07	2.9E+07	2.9E+07	NG	4.7E+06	5.8E+06	5.8E+06	NG	NG	NG	1.9E+03	2.5E+04
Residential: fine-grained: 2.5 m beneath foundation							3.4E+04	6.1E+07	5.6E+07	2.7E+06	5.6E+08	2.9E+07	3.1E+07	3.1E+07	NG	5.0E+06	6.1E+06	6.1E+06	NG	NG	NG	2.0E+03	2.7E+04
Residential: fine-grained: 3 m beneath foundation							3.5E+04	6.3E+07	5.8E+07	2.8E+06	5.9E+08	3.1E+07	3.2E+07	3.2E+07	NG	5.3E+06	6.5E+06	6.5E+06	NG	NG	NG	2.0E+03	2.8E+04
Residential: coarse-grained: 1 m beneath foundation							4.1E+03	7.4E+06	6.8E+06	3.3E+05	7.4E+07	3.9E+06	4.0E+06	4.0E+06	NG	6.6E+05	8.1E+05	8.1E+05	NG	NG	NG	2.3E+02	3.4E+03
Residential: coarse-grained: 1.5 m beneath foundation							4.7E+03	8.5E+06	8.0E+06	3.9E+05	9.0E+07	4.7E+06	4.9E+06	4.9E+06	NG	8.0E+05	9.9E+05	9.9E+05	NG	NG	NG	2.7E+02	4.1E+03
Residential: coarse-grained: 2 m beneath foundation							5.3E+03	9.7E+06	9.2E+06	4.5E+05	1.1E+08	5.6E+06	5.8E+06	5.8E+06	NG	9.5E+05	1.2E+06	1.2E+06	NG	NG	NG	3.0E+02	4.8E+03
Residential: coarse-grained: 2.5 m beneath foundation							6.0E+03	1.1E+07	1.0E+07	5.0E+05	1.2E+08	6.5E+06	6.7E+06	6.7E+06	NG	1.1E+06	1.3E+06	1.3E+06	NG	NG	NG	3.3E+02	5.5E+03
Residential: coarse-grained: 3 m beneath foundation							6.6E+03	1.2E+07	1.2E+07	5.6E+05	1.4E+08	7.3E+06	7.6E+06	7.6E+06	NG	1.2E+06	1.5E+06	1.5E+06	NG	NG	NG	3.6E+02	6.1E+03
SV23		4.5	14-Jul-21		Residential	23	<0.64	2.41	1.87	4.2	118	144	53	32	85	<15	<15	<15	347	339	85	<0.41	<5.2
		4.5	15-Feb-22		Residential	23	1.12	<0.75	<0.87	<2.2	22	<15	<15	<15	<15	<15	<15	<15	22	21	<15	<0.41	<5.2
		4.5	28-Sep-22		Residential	23	<0.50	<0.75	<0.87	<1.8	16	<15	<15	<15	<15	<15	<15	<15	16	16	<15	<0.41	<5.2
SV24		5.0	14-Jul-21		Residential	24	<0.64	0.83	<0.87	<2.2	<15	<15	15	<15	<15	<15	<15	<15	<15	<15	15	<0.41	<5.2
		5.0	10-Feb-22		Residential	24	0.86	1.02	<0.87	<2.2	<15	17	68	<15	<15	<15	<15	<15	17	15	68	<0.41	<5.2
		5.0	28-Sep-22		Residential	24	<0.50	<0.75	<0.87	<1.8	19	<15	<15	<15	<15	<15	<15	<15	19	19	<15	<0.41	<5.2
SV25		5.0	14-Jul-21		Residential	25	2.43	1.96	<0.87	<2.2	85	55	16	<15	<15	<15	<15	<15	140	136	16	<0.41	<5.2
		5.0	10-Feb-22		Residential	25	1.12	2.00	<0.87	<2.2	100	768	291	<15	<15	<15	<15	<15	868	864	291	<0.41	<5.2
		5.0	28-Sep-22		Residential	25	0.70	1.47	<0.87	<1.8	2781	429	241	<15	<15	<15	<15	<15	3210	3210	241	<0.41	<5.2
SV26A		5.0	12-Jul-21		Residential	26A	<0.64	1.92	<0.87	<2.2	61	48	65	31	<15	<15	<15	<15	109	107	96	<0.41	<5.2
		5.0	11-Feb-22		Residential	26A	1.34	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		5.0	1-Oct-22		Residential	26A	<0.50	<0.75	<0.87	<1.8	31	<15	<15	<15	<15	<15	<15	<15	31	31	<15	<0.41	<5.2
SV26B		3.5	12-Jul-21		Residential	26B	1.09	<0.75	<0.87	<2.2	25	122	4340	1800	<15	<15	<15	<15	147	146	6140	<0.41	<5.2
		3.5	11-Feb-22	d	Residential	26B	319	7.61	33.9	69.0	27350	360	<15	<15	102	<15	<15	<15	27800	27400	<15	<0.41	<5.2
		3.5	1-Oct-22		Residential	26B	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV26C		2.0	12-Jul-21		Residential	26C	<0.64	0.94	<0.87	<2.2	18	<15	18	<15	<15	<15	<15	<15	18	17	18	<0.41	<5.2
		2.0	11-Feb-22		Residential	26C	0.93	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		2.0	1-Oct-22		Residential	26C	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV27		3.0	10-Feb-22		Residential	27	13.6	1.17	1.17	2.3	933	<15	<15	<15	<15	<15	<15	<15	933	915	<15	<0.41	<5.2
		3.0	26-Sep-22		Residential	27	1.66	3.2	<0.87	<1.8	69	22	<15	<15	<15	<15	<15	<15	91	86	<15	<0.41	<5.2
SV28		2.5	10-Feb-22		Residential	28	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		2.5	26-Sep-22		Residential	28	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV29		1.5	10-Feb-22		Residential	29	<0.64	1.06	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.5	26-Sep-22		Residential	29	<0.50	<0.75	<0.87	<1.8	27	<15	<15	<15	<15	<15	<15	<15	27	27	<15	<0.41	<5.2
SV30		1.0	16-Jul-21		Residential	30	<0.64	5.20	3.47	9.3	69	103	64	156	21	<15	<15	<15	193	175	220	<0.41	<5.2
		1.0	16-Feb-22		Residential	30	2.49	<0.75	<0.87	<2.2	49	<15	<15	<15	<15	<15	<15	<15	49	47	<15	<0.41	<5.2
		1.0	2-Oct-22		Residential	30	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2

a - For the full set of depth-specific guidelines, for commercial and residential land use, fine-grained and coarse-grained guidelines, refer to Appendix A, and/or the report entitled *Development of Soil Vapour and Groundwater Quality Guidelines, Prepared by Intrinsik Corp. for Suncor Energy Products Partnership. December 2022.*
The RM&C Plan screening threshold is 90% of the guidelines; see report text for additional details. Guidelines <1 m beneath foundation are based on default attenuation coefficient of 0.01 (AEP 2022b).
b - Awaiting confirmation of analytical data for all analytes.
c - Awaiting well depth confirmation.
d - Data appears to be anomalous and is inconsistent with prior and subsequent sampling events; additional sampling is recommended.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Italics - Greater than 90% of referenced guidelines (screening threshold).
Underline - Detection limit exceeds guideline.
Shaded Calculated guideline value results in a vapour concentration greater than the maximum possible vapour concentration for that chemical, assuming no NAPL is present. Maximum vapour concentration calculated according to Health Canada (2010) guidance.
BOLD - Exceeds referenced guidelines.
Results for all parameters are reported in micrograms per metre cubed ($\mu g/m^3$), unless otherwise specified.
Notes: All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3a

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PETROLEUM HYDROCARBON PARAMETERS, 1,2-DICHLOROETHANE, AND NAPHTHALENE

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Area	Original Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Aliphatic C6-C8	Aliphatic >C8-C10	Aliphatic >C10-C12	Aliphatic >C12-C16	Aromatic C6-C8	Aromatic >C8-C10	Aromatic >C10-C12	Aromatic >C12-C16	F1 C6-C10	F1 minus BTEX C6-C10	F2 >C10-C16	1,2-Dichloro-ethane	Naphthalene
Guidelines[a]:																							
Residential: fine or coarse-grained; <1 m beneath foundation							6.3E+01	1.1E+05	1.0E+05	4.9E+03	9.2E+05	4.8E+04	5.0E+04	5.0E+04	NG	8.1E+03	1.0E+04	1.0E+04	NG	NG	NG	3.8E+01	4.5E+02
Residential: fine-grained: 1 m beneath foundation							3.0E+04	5.5E+07	4.9E+07	2.4E+06	4.7E+08	2.5E+07	2.6E+07	2.6E+07	NG	4.2E+06	5.1E+06	5.1E+06	NG	NG	NG	1.8E+03	2.3E+04
Residential: fine-grained: 1.5 m beneath foundation							3.2E+04	5.7E+07	5.1E+07	2.5E+06	5.0E+08	2.6E+07	2.7E+07	2.7E+07	NG	4.5E+06	5.5E+06	5.5E+06	NG	NG	NG	1.9E+03	2.4E+04
Residential: fine-grained: 2 m beneath foundation							3.3E+04	5.9E+07	5.3E+07	2.6E+06	5.3E+08	2.8E+07	2.9E+07	2.9E+07	NG	4.7E+06	5.8E+06	5.8E+06	NG	NG	NG	1.9E+03	2.5E+04
Residential: fine-grained: 2.5 m beneath foundation							3.4E+04	6.1E+07	5.6E+07	2.7E+06	5.6E+08	2.9E+07	3.1E+07	3.1E+07	NG	5.0E+06	6.1E+06	6.1E+06	NG	NG	NG	2.0E+03	2.7E+04
Residential: fine-grained: 3 m beneath foundation							3.5E+04	6.3E+07	5.8E+07	2.8E+06	5.9E+08	3.1E+07	3.2E+07	3.2E+07	NG	5.3E+06	6.5E+06	6.5E+06	NG	NG	NG	2.0E+03	2.8E+04
Residential: coarse-grained: 1 m beneath foundation							4.1E+03	7.4E+06	6.8E+06	3.3E+05	7.4E+07	3.9E+06	4.0E+06	4.0E+06	NG	6.6E+05	8.1E+05	8.1E+05	NG	NG	NG	2.3E+02	3.4E+03
Residential: coarse-grained: 1.5 m beneath foundation							4.7E+03	8.5E+06	8.0E+06	3.9E+05	9.0E+07	4.7E+06	4.9E+06	4.9E+06	NG	8.0E+05	9.9E+05	9.9E+05	NG	NG	NG	2.7E+02	4.1E+03
Residential: coarse-grained: 2 m beneath foundation							5.3E+03	9.7E+06	9.2E+06	4.5E+05	1.1E+08	5.6E+06	5.8E+06	5.8E+06	NG	9.5E+05	1.2E+06	1.2E+06	NG	NG	NG	3.0E+02	4.8E+03
Residential: coarse-grained: 2.5 m beneath foundation							6.0E+03	1.1E+07	1.0E+07	5.0E+05	1.2E+08	6.5E+06	6.7E+06	6.7E+06	NG	1.1E+06	1.3E+06	1.3E+06	NG	NG	NG	3.3E+02	5.5E+03
Residential: coarse-grained: 3 m beneath foundation							6.6E+03	1.2E+07	1.2E+07	5.6E+05	1.4E+08	7.3E+06	7.6E+06	7.6E+06	NG	1.2E+06	1.5E+06	1.5E+06	NG	NG	NG	3.6E+02	6.1E+03
SV31		1.0	15-Jul-21		Residential	31	0.77	3.66	6.34	2.2	18	<15	27	22	<15	<15	<15	<15	18	<15	49	<0.41	<5.2
		1.0	17-Feb-22		Residential	31	1.34	<0.75	<0.87	<2.2	21	<15	<15	<15	<15	<15	<15	<15	21	20	<15	<0.41	<5.2
		1.0	3-Oct-22		Residential	31	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
	Dup	1.0	3-Oct-22		Residential	931	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV32	Dup	1.0	12-Mar-21		Residential	932	<0.50	3.28	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	12-Mar-21		Residential	32	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
	Dup	1.0	7-Jul-21		Residential	932	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	7-Jul-21		Residential	32	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	9-Nov-21		Residential	32	**48800**	**124000**	12600	**60900**	844145	664	623	<15	19239	672	<15	<15	865000	619000	623	<4100	<2300
		1.0	20-Dec-21		Residential	32CS	34.3	63	4.73	21.9	1381	<15	<15	<15	745	<15	<15	<15	2130	2010	<15	<0.41	<5.2
		1.0	12-Feb-22		Residential	32	2.84	<0.75	<0.87	<2.2	43	<15	<15	<15	<15	<15	<15	<15	43	40	<15	<0.41	<5.2
		1.0	25-May-22		Residential	32	**1790**	1910	749	835	**3750000**	14200	<15	<15	326000	12200	1540	<15	4100000	4090000	3080	<0.41	100
		1.0	27-Jun-22	b	Residential	32CS	**1890**	3540	392	2000	55219	816	<15	<15	7259	197.86	<15	<15	63500	55700	<15	<0.41	10
		1.0	5-Oct-22		Residential	32	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
	Dup	1.0	5-Oct-22		Residential	932	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV36		3.0	8-Jul-21		Residential	36	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		3.0	15-Feb-22		Residential	36	0.89	<0.75	<0.87	<2.2	22	<15	<15	<15	<15	<15	<15	<15	22	21	<15	<0.41	<5.2
		3.0	30-Sep-22		Residential	36	<0.50	<0.75	<0.87	<1.8	68	<15	<15	<15	<15	<15	<15	<15	68	68	<15	<0.41	<5.2
SV37		2.5	15-Jul-21		Residential	37	<0.64	5.54	1.95	<2.2	74	<15	<15	<15	<15	<15	<15	<15	74	64	<15	<0.41	<5.2
		2.5	17-Feb-22		Residential	37	3.10	0.87	<0.87	<2.2	33	<15	<15	<15	<15	<15	<15	<15	33	29	<15	<0.41	<5.2
		2.5	30-Sep-22		Residential	37	<0.50	<0.75	<0.87	<1.8	286	<15	<15	<15	<15	<15	<15	<15	286	286	<15	<0.41	<5.2
SV38		4.0	16-Jul-21		Residential	38	<0.64	2.37	<0.87	<2.2	259	19	23	<15	<15	<15	<15	<15	278	274	23	<0.41	<5.2
		4.0	16-Feb-22		Residential	38	10.2	0.90	<0.87	<2.2	205	<15	<15	<15	<15	<15	<15	<15	205	194	<15	<0.41	<5.2
		4.0	2-Oct-22		Residential	38	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV39		2.0	15-Jul-21		Residential	39	<0.64	7.20	1.17	3.0	55	<15	23	<15	<15	<15	<15	<15	55	44	23	<0.41	<5.2
		2.0	17-Feb-22		Residential	39	2.75	<0.75	<0.87	<2.2	30	<15	<15	<15	<15	<15	<15	<15	30	27	<15	<0.41	<5.2
	Dup	2.0	17-Feb-22		Residential	939	2.75	<0.75	<0.87	<2.2	28	<15	59	<15	<15	<15	<15	<15	28	25	59	<0.41	<5.2
		2.0	30-Sep-22		Residential	39	<0.50	<0.75	<0.87	<1.8	513	<15	<15	<15	<15	<15	<15	<15	513	513	<15	<0.41	<5.2

a - For the full set of depth-specific guidelines, for commercial and residential land use, fine-grained and coarse-grained guidelines, refer to Appendix A, and/or the report entitled *Development of Soil Vapour and Groundwater Quality Guidelines, Prepared by Intrinsik Corp. for Suncor Energy Products Partnership. December 2022.*
The RM&C Plan screening threshold is 90% of the guidelines; see report text for additional details. Guidelines <1 m beneath foundation are based on default attenuation coefficient of 0.01 (AEP 2022b).
b - Awaiting confirmation of analytical data for all analytes.
c - Awaiting well depth confirmation.
d - Data appears to be anomalous and is inconsistent with prior and subsequent sampling events; additional sampling is recommended.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Italics - Greater than 90% of referenced guidelines (screening threshold).
Underline - Detection limit exceeds guideline.
Shaded Calculated guideline value results in a vapour concentration greater than the maximum possible vapour concentration for that chemical, assuming no NAPL is present. Maximum vapour concentration calculated according to Health Canada (2010) guidance.
BOLD - Exceeds referenced guidelines.
Results for all parameters are reported in micrograms per metre cubed ($\mu g/m^3$), unless otherwise specified.
Notes: All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3a

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
PETROLEUM HYDROCARBON PARAMETERS, 1,2-DICHLOROETHANE, AND NAPHTHALENE

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Area	Original Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Aliphatic C6-C8	Aliphatic >C8-C10	Aliphatic >C10-C12	Aliphatic >C12-C16	Aromatic C6-C8	Aromatic >C8-C10	Aromatic >C10-C12	Aromatic >C12-C16	F1 C6-C10	F1 minus BTEX C6-C10	F2 >C10-C16	1,2-Dichloro-ethane	Naphthalene
Guidelines[a]:																							
Residential: fine or coarse-grained; <1 m beneath foundation							6.3E+01	1.1E+05	1.0E+05	4.9E+03	9.2E+05	4.8E+04	5.0E+04	5.0E+04	NG	8.1E+03	1.0E+04	1.0E+04	NG	NG	NG	3.8E+01	4.5E+02
Residential: fine-grained: 1 m beneath foundation							3.0E+04	5.5E+07	4.9E+07	2.4E+06	4.7E+08	2.5E+07	2.6E+07	2.6E+07	NG	4.2E+06	5.1E+06	5.1E+06	NG	NG	NG	1.8E+03	2.3E+04
Residential: fine-grained: 1.5 m beneath foundation							3.2E+04	5.7E+07	5.1E+07	2.5E+06	5.0E+08	2.6E+07	2.7E+07	2.7E+07	NG	4.5E+06	5.5E+06	5.5E+06	NG	NG	NG	1.9E+03	2.4E+04
Residential: fine-grained: 2 m beneath foundation							3.3E+04	5.9E+07	5.3E+07	2.6E+06	5.3E+08	2.8E+07	2.9E+07	2.9E+07	NG	4.7E+06	5.8E+06	5.8E+06	NG	NG	NG	1.9E+03	2.5E+04
Residential: fine-grained: 2.5 m beneath foundation							3.4E+04	6.1E+07	5.6E+07	2.7E+06	5.6E+08	2.9E+07	3.1E+07	3.1E+07	NG	5.0E+06	6.1E+06	6.1E+06	NG	NG	NG	2.0E+03	2.7E+04
Residential: fine-grained: 3 m beneath foundation							3.5E+04	6.3E+07	5.8E+07	2.8E+06	5.9E+08	3.1E+07	3.2E+07	3.2E+07	NG	5.3E+06	6.5E+06	6.5E+06	NG	NG	NG	2.0E+03	2.8E+04
Residential: coarse-grained: 1 m beneath foundation							4.1E+03	7.4E+06	6.8E+06	3.3E+05	7.4E+07	3.9E+06	4.0E+06	4.0E+06	NG	6.6E+05	8.1E+05	8.1E+05	NG	NG	NG	2.3E+02	3.4E+03
Residential: coarse-grained: 1.5 m beneath foundation							4.7E+03	8.5E+06	8.0E+06	3.9E+05	9.0E+07	4.7E+06	4.9E+06	4.9E+06	NG	8.0E+05	9.9E+05	9.9E+05	NG	NG	NG	2.7E+02	4.1E+03
Residential: coarse-grained: 2 m beneath foundation							5.3E+03	9.7E+06	9.2E+06	4.5E+05	1.1E+08	5.6E+06	5.8E+06	5.8E+06	NG	9.5E+05	1.2E+06	1.2E+06	NG	NG	NG	3.0E+02	4.8E+03
Residential: coarse-grained: 2.5 m beneath foundation							6.0E+03	1.1E+07	1.0E+07	5.0E+05	1.2E+08	6.5E+06	6.7E+06	6.7E+06	NG	1.1E+06	1.3E+06	1.3E+06	NG	NG	NG	3.3E+02	5.5E+03
Residential: coarse-grained: 3 m beneath foundation							6.6E+03	1.2E+07	1.2E+07	5.6E+05	1.4E+08	7.3E+06	7.6E+06	7.6E+06	NG	1.2E+06	1.5E+06	1.5E+06	NG	NG	NG	3.6E+02	6.1E+03
SV40		1.5	15-Jul-21		Residential	40	2.01	15.6	2.48	7.7	83	130	95	55	24	<15	<15	<15	237	209	150	<0.41	<5.2
		1.5	17-Feb-22		Residential	40	0.96	<0.75	<0.87	<2.2	21	<15	<15	<15	<15	<15	<15	<15	21	20	<15	<0.41	<5.2
		1.5	6-Oct-22		Residential	40	0.51	<0.75	<0.87	<1.8	21	<15	<15	<15	<15	<15	<15	<15	21	20	<15	<0.41	<5.2
SV41		1.5	16-Jul-21		Residential	41	<0.64	<0.75	6.12	6.4	<15	<15	23	<15	<15	<15	<15	<15	<15	<15	23	<0.41	<5.2
		1.5	16-Feb-22		Residential	41	5.65	<0.75	<0.87	<2.2	138	<15	<15	<15	<15	<15	<15	<15	138	132	<15	<0.41	<5.2
		1.5	2-Oct-22		Residential	41	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV101		0.3 m below foundation	3-Oct-22		Residential	101	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV321B		1.04 - 1.09	11-Mar-21	c	Residential	321B	<0.50	1.13	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.04 - 1.09	8-Jul-21	c	Residential	321B	<0.64	1.06	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.04 - 1.09	8-Nov-21	c	Residential	321B	<0.64	<0.75	<0.87	<2.2	223	135	47	<15	<15	<15	<15	<15	358	358	47	<0.41	<5.2
		1.04 - 1.09	11-Feb-22	c	Residential	321B	<0.64	1.02	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.04 - 1.09	24-May-22	c	Residential	321B	<0.50	1.92	<0.87	<1.8	30	<15	<15	<15	<15	<15	<15	<15	30	27	<15	<0.41	<5.2
		1.04 - 1.09	4-Oct-22	c	Residential	321B	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV322		1.0	11-Mar-21		Residential	322	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	8-Jul-21		Residential	322	<0.64	1.55	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	8-Nov-21		Residential	322	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	11-Feb-22		Residential	322	4.03	0.79	<0.87	<2.2	107	<15	<15	<15	<15	<15	<15	<15	107	102	<15	<0.41	<5.2
		1.0	24-May-22		Residential	322	42.9	50.0	13.8	78.8	518	<15	<15	<15	120	<15	<15	<15	638	453	<15	<0.41	<5.2
	Dup	1.0	24-May-22		Residential	9322	44.4	53.6	15.0	83.8	537	<15	<15	<15	127	<15	<15	<15	664	467	<15	<0.41	<5.2
		1.0	4-Oct-22		Residential	322	1.0	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
	Dup	1.0	4-Oct-22		Residential	9322	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV323		1.0	12-Mar-21		Residential	323	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	8-Jul-21		Residential	323	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	8-Nov-21		Residential	323	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
	Dup	1.0	8-Nov-21		Residential	9323	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	11-Feb-22		Residential	323	0.83	0.94	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	24-May-22		Residential	323	<0.50	1.06	1.43	2.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	3-Oct-22		Residential	323	1.47	4.90	3.34	65.7	42	18	33	<15	107	21.45	<15	<15	188	113	33	<0.41	<5.2

a - For the full set of depth-specific guidelines, for commercial and residential land use, fine-grained and coarse-grained guidelines, refer to Appendix A, and/or the report entitled *Development of Soil Vapour and Groundwater Quality Guidelines, Prepared by Intrinsik Corp. for Suncor Energy Products Partnership. December 2022.*
The RM&C Plan screening threshold is 90% of the guidelines; see report text for additional details. Guidelines <1 m beneath foundation are based on default attenuation coefficient of 0.01 (AEP 2022b).
b - Awaiting confirmation of analytical data for all analytes.
c - Awaiting well depth confirmation.
d - Data appears to be anomalous and is inconsistent with prior and subsequent sampling events; additional sampling is recommended.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Italics - Greater than 90% of referenced guidelines (screening threshold).
Underline - Detection limit exceeds guideline.
Shaded Calculated guideline value results in a vapour concentration greater than the maximum possible vapour concentration for that chemical, assuming no NAPL is present. Maximum vapour concentration calculated according to Health Canada (2010) guidance.
BOLD - Exceeds referenced guidelines.
Results for all parameters are reported in micrograms per metre cubed ($\mu g/m^3$), unless otherwise specified.
Notes: All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3a

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
PETROLEUM HYDROCARBON PARAMETERS, 1,2-DICHLOROETHANE, AND NAPHTHALENE

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Area	Original Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Aliphatic C6-C8	Aliphatic >C8-C10	Aliphatic >C10-C12	Aliphatic >C12-C16	Aromatic C6-C8	Aromatic >C8-C10	Aromatic >C10-C12	Aromatic >C12-C16	F1 C6-C10	F1 minus BTEX C6-C10	F2 >C10-C16	1,2-Dichloro-ethane	Naphthalene
Guidelines[a]:																							
Residential: fine or coarse-grained; <1 m beneath foundation							6.3E+01	1.1E+05	1.0E+05	4.9E+03	9.2E+05	4.8E+04	5.0E+04	5.0E+04	NG	8.1E+03	1.0E+04	1.0E+04	NG	NG	NG	3.8E+01	4.5E+02
Residential: fine-grained: 1 m beneath foundation							3.0E+04	5.5E+07	4.9E+07	2.4E+06	4.7E+08	2.5E+07	2.6E+07	2.6E+07	NG	4.2E+06	5.1E+06	5.1E+06	NG	NG	NG	1.8E+03	2.3E+04
Residential: fine-grained: 1.5 m beneath foundation							3.2E+04	5.7E+07	5.1E+07	2.5E+06	5.0E+08	2.6E+07	2.7E+07	2.7E+07	NG	4.5E+06	5.5E+06	5.5E+06	NG	NG	NG	1.9E+03	2.4E+04
Residential: fine-grained: 2 m beneath foundation							3.3E+04	5.9E+07	5.3E+07	2.6E+06	5.3E+08	2.8E+07	2.9E+07	2.9E+07	NG	4.7E+06	5.8E+06	5.8E+06	NG	NG	NG	1.9E+03	2.5E+04
Residential: fine-grained: 2.5 m beneath foundation							3.4E+04	6.1E+07	5.6E+07	2.7E+06	5.6E+08	2.9E+07	3.1E+07	3.1E+07	NG	5.0E+06	6.1E+06	6.1E+06	NG	NG	NG	2.0E+03	2.7E+04
Residential: fine-grained: 3 m beneath foundation							3.5E+04	6.3E+07	5.8E+07	2.8E+06	5.9E+08	3.1E+07	3.2E+07	3.2E+07	NG	5.3E+06	6.5E+06	6.5E+06	NG	NG	NG	2.0E+03	2.8E+04
Residential: coarse-grained: 1 m beneath foundation							4.1E+03	7.4E+06	6.8E+06	3.3E+05	7.4E+07	3.9E+06	4.0E+06	4.0E+06	NG	6.6E+05	8.1E+05	8.1E+05	NG	NG	NG	2.3E+02	3.4E+03
Residential: coarse-grained: 1.5 m beneath foundation							4.7E+03	8.5E+06	8.0E+06	3.9E+05	9.0E+07	4.7E+06	4.9E+06	4.9E+06	NG	8.0E+05	9.9E+05	9.9E+05	NG	NG	NG	2.7E+02	4.1E+03
Residential: coarse-grained: 2 m beneath foundation							5.3E+03	9.7E+06	9.2E+06	4.5E+05	1.1E+08	5.6E+06	5.8E+06	5.8E+06	NG	9.5E+05	1.2E+06	1.2E+06	NG	NG	NG	3.0E+02	4.8E+03
Residential: coarse-grained: 2.5 m beneath foundation							6.0E+03	1.1E+07	1.0E+07	5.0E+05	1.2E+08	6.5E+06	6.7E+06	6.7E+06	NG	1.1E+06	1.3E+06	1.3E+06	NG	NG	NG	3.3E+02	5.5E+03
Residential: coarse-grained: 3 m beneath foundation							6.6E+03	1.2E+07	1.2E+07	5.6E+05	1.4E+08	7.3E+06	7.6E+06	7.6E+06	NG	1.2E+06	1.5E+06	1.5E+06	NG	NG	NG	3.6E+02	6.1E+03
SV324		1.5	3-Oct-22		Residential	324	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV325		1.5	4-Oct-22		Residential	325	<0.50	<0.75	<0.87	<1.8	71	<15	<15	<15	<15	<15	<15	<15	71	71	<15	<0.41	<5.2
SV326		1.5	4-Oct-22		Residential	326	<0.50	<0.75	<0.87	<1.8	21	<15	<15	<15	<15	<15	<15	<15	21	21	<15	<0.41	<5.2
SV401		1.5	12-Mar-21		Residential	401	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.5	8-Jul-21		Residential	401	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.5	9-Nov-21		Residential	401	<0.64	<0.75	<0.87	<2.2	23	<15	<15	<15	<15	<15	<15	<15	23	23	<15	<0.41	<5.2
		1.5	12-Feb-22		Residential	401	1.21	2.41	<0.87	<2.2	17	<15	<15	<15	<15	<15	<15	<15	17	<15	<15	<0.41	<5.2
		1.5	24-May-22		Residential	401	<0.50	1.09	2.00	4.9	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.5	5-Oct-22		Residential	401	<0.50	<0.75	<0.87	<1.8	19	<15	<15	<15	<15	<15	<15	<15	19	19	<15	<0.41	<5.2
SV402		1.5	12-Mar-21		Residential	402	0.73	3.24	1.35	4.9	<150	1100	18200	9140	<150	<150	<150	<150	1100	1090	27300	<0.41	22.5
		1.5	7-Jul-21		Residential	402	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.5	9-Nov-21		Residential	402	**58300**	**155000**	16100	**76700**	118166	2255	813	<15	23532	937.4	318	318	145000	<15	1450	<4100	**3470**
		1.5	20-Dec-21		Residential	402CS	24.2	37.9	2.0	7.6	848	<15	<15	<15	55	<15	<15	<15	903	831	<15	<0.41	<5.2
		1.5	12-Feb-22		Residential	402	0.83	<0.75	<0.87	<2.2	<15	<15	67	634	<15	<15	<15	<15	<15	<15	701	<0.41	<5.2
	Dup	1.5	12-Feb-22		Residential	9402	0.86	<0.75	<0.87	<2.2	<15	<15	74	599	<15	<15	<15	<15	<15	<15	673	<0.41	<5.2
		1.5	25-May-22		Residential	402	**264000**	**182000**	35300	**178000**	28500	600	<15	<15	4170	219	36	<15	33500	<15	72	<0.41	**1160**
		1.5	27-Jun-22	b	Residential	402CS	**1410**	2950	452	2510	35896	650	<15	<15	6434	188.75	<15	<15	43200	35900	<15	<0.41	27.4
		1.5	5-Oct-22	b	Residential	402	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
SV403		0.95	11-Mar-21		Residential	403	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		0.95	7-Jul-21		Residential	403	<0.64	2.07	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		0.95	8-Nov-21		Residential	403	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		0.95	11-Feb-22		Residential	403	2.46	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		0.95	24-May-22		Residential	403	<0.50	0.83	<0.87	<1.8	20	<15	18	<15	<15	<15	<15	<15	20	19	18	<0.41	<5.2
		0.95	5-Oct-22		Residential	403	1.50	0.79	<0.87	<1.8	34	<15	<15	<15	<15	<15	<15	<15	34	32	<15	<0.41	<5.2
SV404		1.0	11-Mar-21		Residential	404	0.54	0.98	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	7-Jul-21		Residential	404	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	8-Nov-21		Residential	404	<0.64	<0.75	<0.87	<2.2	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	11-Feb-22		Residential	404	5.08	<0.75	<0.87	<2.2	35	<15	<15	<15	<15	<15	<15	<15	35	30	<15	<0.41	<5.2
		1.0	25-May-22		Residential	404	0.61	2.00	1.56	2.6	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2
		1.0	5-Oct-22		Residential	404	<0.50	<0.75	<0.87	<1.8	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<0.41	<5.2

a - For the full set of depth-specific guidelines, for commercial and residential land use, fine-grained and coarse-grained guidelines, refer to Appendix A, and/or the report entitled *Development of Soil Vapour and Groundwater Quality Guidelines, Prepared by Intrinsik Corp. for Suncor Energy Products Partnership. December 2022.*
The RM&C Plan screening threshold is 90% of the guidelines; see report text for additional details. Guidelines <1 m beneath foundation are based on default attenuation coefficient of 0.01 (AEP 2022b).
b - Awaiting confirmation of analytical data for all analytes.
c - Awaiting well depth confirmation.
d - Data appears to be anomalous and is inconsistent with prior and subsequent sampling events; additional sampling is recommended.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Italics - Greater than 90% of referenced guidelines (screening threshold).
Underline - Detection limit exceeds guideline.
Shaded Calculated guideline value results in a vapour concentration greater than the maximum possible vapour concentration for that chemical, assuming no NAPL is present. Maximum vapour concentration calculated according to Health Canada (2010) guidance.
BOLD - Exceeds referenced guidelines.
Results for all parameters are reported in micrograms per metre cubed ($\mu g/m^3$), unless otherwise specified.
Notes: All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3b.1

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
VOLATILE ORGANIC COMPOUND PARAMETERS

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Original Sample ID	Propylene	Dichlorodifluoromethane	1,2-Dichlorotetrafluoroethane	Ethanol	1,1,2-Trichloro-1,2,2-trifluoroethane	Chloromethane	Vinyl Chloride	1,3-Butadiene	Bromomethane	Chloroethane	Vinyl Bromide	Trichlorofluoromethane	Acetone	Isopropanol	1,1-Dichloroethene	Dichloromethane (Methylene Chloride)	Carbon Disulfide
Guidelines:						NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
SV01		4.5	27-Jun-22		1	<0.52	2.27	<1.4	9.59	<1.5	1.05	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	14.2	<1.2	19	<1.5
SV07		5.0	12-Jul-21		7	1.03	2.18	<1.4	14.4	<1.5	1.53	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	19.9	3.1	<1.2	1.3	23.6
		5.0	1-Oct-22		7	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV08		4.0	12-Jul-21		8	1.67	2.82	<1.4	41.8	<1.5	1.42	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	9.4	2.8	<1.2	1.8	<1.5
		4.0	14-Feb-22		8	<0.52	1.93	<1.4	2.51	<1.5	0.72	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	4.0	14-Feb-22		98	<0.52	2.08	<1.4	1.83	<1.5	0.83	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		4.0	30-Sep-22		8	<0.52	2.13	<1.4	3.58	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	4.0	30-Sep-22		98	<0.52	2.18	<1.4	2.51	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV09	Dup	4.0	12-Jul-21		99	0.98	15.8	<1.4	8.61	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	2.7	12.8	2.3	<1.2	<1.0	6.7
		4.0	12-Jul-21		9	1.12	6.63	<1.4	19.2	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	16.3	2.8	<1.2	1.3	<1.5
		4.0	14-Feb-22		9	1.31	2.13	<1.4	2.39	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		4.0	30-Sep-22		9	<0.52	37.2	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	3	<250	<1.2	<1.2	<15	<1.5
SV10		1.0	12-Jul-21		10	0.74	2.23	<1.4	14.0	<1.5	1.47	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	13.3	1.4	<1.2	<1.0	<1.5
		1.0	10-Feb-22		10	<0.52	1.88	<1.4	1.87	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	26-Sep-22		10	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV11		1.5	15-Jul-21		11	<0.52	15.1	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	54.6	7.7	4.4	<1.2	15.4	8.1
		1.5	17-Feb-22		11	1.34	2.23	<1.4	4.13	<1.5	0.97	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	6-Oct-22		11	<0.52	2.42	<1.4	5.28	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV20		3.5	14-Jul-21		20	1.38	2.32	<1.4	6.75	<1.5	1.73	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	18.2	2.1	<1.2	<1.0	<1.5
		3.5	15-Feb-22		20	5.46	1.83	<1.4	1.13	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		3.5	28-Sep-22		20	<0.52	2.23	<1.4	9.31	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	2.3
SV21		3.5	14-Jul-21		21	<0.52	3.21	<1.4	1.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	8.3	1.2	<1.2	1.4	13.4
		3.5	15-Feb-22		21	2.10	1.88	<1.4	1.56	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		3.5	28-Sep-22		21	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	3.9
SV22		4.0	14-Jul-21		22	<0.52	<0.99	<1.4	6.01	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	20.0	2.3	<1.2	1.7	<1.5
		4.0	15-Feb-22		22	<0.52	2.18	<1.4	2.34	<1.5	0.66	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		4.0	28-Sep-22		22	<0.52	2.18	<1.4	12.5	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV23		4.5	14-Jul-21		23	1.15	<0.99	<1.4	51.8	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	3.5	1.3	<1.2	1.3	287
		4.5	15-Feb-22		23	<0.52	2.23	<1.4	2.09	<1.5	0.95	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		4.5	28-Sep-22		23	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	60	<1.5
SV24		5.0	14-Jul-21		24	0.69	3.31	<1.4	2.60	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	8.4	<1.2	<1.2	<1.0	<1.5
		5.0	10-Feb-22		24	<0.52	4.99	<1.4	4.24	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	4.0	<250	<1.2	<1.2	<15	1.6
		5.0	28-Sep-22		24	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	21.6	<250	<1.2	<1.2	<15	<1.5
SV25		5.0	14-Jul-21		25	6.06	1.78	<1.4	16.2	<1.5	1.49	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	35.2	4.2	<1.2	1.7	52.5
		5.0	10-Feb-22		25	<0.52	2.23	<1.4	12.1	<1.5	1.49	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		5.0	28-Sep-22		25	12.9	2.13	<1.4	<0.94	<1.5	4.4	<0.51	<1.1	<1.9	5.2	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV26A		5.0	12-Jul-21		26A	<0.52	2.27	<1.4	34.9	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	18.4	9.9	3.1	<1.2	1.8	<1.5
		5.0	11-Feb-22		26A	<0.52	2.42	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	10.6	<250	<1.2	<1.2	<15	<1.5
		5.0	1-Oct-22		26A	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	24.8	<250	<1.2	<1.2	<15	35.1
SV26B		3.5	12-Jul-21		26B	0.79	2.32	<1.4	4.07	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	19.2	15.5	<1.2	<1.2	<1.0	2.9
		3.5	11-Feb-22		26B	29.4	1.83	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	10.2	<250	<1.2	<1.2	<15	<1.5
		3.5	1-Oct-22		26B	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	22.2	<250	<1.2	<1.2	<15	<1.5
SV26C		2.0	12-Jul-21		26C	0.95	2.62	<1.4	4.07	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	30.0	11.8	1.6	2.6	1.0	1.5
		2.0	11-Feb-22		26C	<0.52	1.88	<1.4	1.81	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	5.9	<250	<1.2	<1.2	<15	<1.5
		2.0	1-Oct-22		26C	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	30.1	<250	<1.2	<1.2	<15	<1.5
SV27		3.0	10-Feb-22		27	3.53	1.78	<1.4	4.90	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		3.0	26-Sep-22		27	<0.52	<0.99	<1.4	7.41	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	5	<250	<1.2	<1.2	<15	<1.5
SV28		2.5	10-Feb-22		28	<0.52	2.08	<1.4	4.47	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	20	<1.5
		2.5	26-Sep-22		28	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	7.8	<250	<1.2	<1.2	<15	<1.5
SV29		1.5	10-Feb-22		29	<0.52	1.73	<1.4	6.82	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	26-Sep-22		29	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	9.5	<250	<1.2	<1.2	<15	<1.5
SV30		1.0	16-Jul-21		30	<0.52	38.5	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	3.5	23.5	29.2	<1.2	1.6	151
		1.0	16-Feb-22		30	1.07	2.23	<1.4	1.73	<1.5	0.89	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	2-Oct-22		30	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	36.5	<250	<1.2	<1.2	<15	<1.5
SV31		1.0	15-Jul-21		31	<0.52	146	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	10.4	10.8	<1.2	<1.2	2.4	35.6
		1.0	17-Feb-22		31	<0.52	2.18	<1.4	2.47	<1.5	0.68	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	3-Oct-22		31	<0.52	<0.99	<1.4	7.84	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	3.4
	Dup	1.0	3-Oct-22		931	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV32	Dup	1.0	12-Mar-21		932	<0.52	2.13	<1.4	3.11	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	17.0	8.1	<1.2	13.0	<1.5
		1.0	12-Mar-21		32	<0.52	2.08	<1.4	1.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	3.6	1.8	<1.2	3.9	<1.5
	Dup	1.0	7-Jul-21		932	<0.52	3.46	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	10.3	29.6	<1.2	1.6	<1.5
		1.0	7-Jul-21		32	<0.52	2.97	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	10.1	29.9	<1.2	1.2	<1.5
		1.0	9-Nov-21		32	204000	<6300	<9100	836000	<8300	<3000	<3500	<2600	<4700	<3700	<5500	<7300	595000	<3900	<3700	<3900	<2800
		1.0	20-Dec-21		32CS	31.7	<0.99	<1.4	414	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	2.1
		1.0	12-Feb-22		32	<0.52	1.19	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	25-May-22		32	131	2.18	<1.4	27100	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	27-Jun-22	a	32CS	199	<0.99	<1.4	43600	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	5-Oct-22		32	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	1.0	5-Oct-22		932	<0.52	<0.99	<1.4	66.9	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV36		3.0	8-Jul-21		36	0.64	3.51	<1.4	2.17	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	69.8	5.1	4.3	<1.2	<1.0	6.5
		3.0	15-Feb-22		36	<0.52	2.13	<1.4	1.87	<1.5	0.72	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		3.0	30-Sep-22		36	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	42.8	<250	<1.2	<1.2	38	<1.5
SV37		2.5	15-Jul-21		37	<0.52	2.13	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	3.9	<1.2	<1.2	14.1	<1.5
		2.5	17-Feb-22		37	<0.52	2.42	<1.4	2.13	<1.5	1.16	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		2.5	30-Sep-22		37	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5

a - Awaiting confirmation of analytical data for all analytes.
b - Awaiting well depth confirmation.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - Meters below ground surface (unless otherwise specified)
Notes: Results for all parameters are reported in micrograms per metre cubed (µg/m^3), unless otherwise specified.
All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3b.1

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
VOLATILE ORGANIC COMPOUND PARAMETERS

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Original Sample ID	Propylene	Dichlorodifluoromethane	1,2-Dichlorotetrafluoroethane	Ethanol	1,1,2-Trichloro-1,2,2-trifluoroethane	Chloromethane	Vinyl Chloride	1,3-Butadiene	Bromomethane	Chloroethane	Vinyl Bromide	Trichlorofluoromethane	Acetone	Isopropanol	1,1-Dichloroethene	Dichloromethane (Methylene Chloride)	Carbon Disulfide
Guidelines:						NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
SV38		4.0	16-Jul-21		38	<0.52	<0.99	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	2.2	<1.2	<1.2	21.7	1.6
		4.0	16-Feb-22		38	<0.52	2.18	<1.4	2.71	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		4.0	2-Oct-22		38	<0.52	<0.99	<1.4	3.47	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	52.8	<250	<1.2	<1.2	<15	<1.5
SV39		2.0	15-Jul-21		39	<0.52	<0.99	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	2.7	<1.2	<1.2	<1.0	<1.5
		2.0	17-Feb-22		39	1.36	2.13	<1.4	1.90	<1.5	0.85	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	2.0	17-Feb-22		939	1.31	2.18	<1.4	2.47	<1.5	0.81	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		2.0	30-Sep-22		39	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	6.1	<250	<1.2	<1.2	<15	<1.5
SV40		1.5	15-Jul-21		40	<0.52	5.14	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	4.4	41.4	43.6	<1.2	6.8	10.7
		1.5	17-Feb-22		40	1.45	2.13	<1.4	7.73	<1.5	1.09	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	6-Oct-22		40	<0.52	10.2	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	3.9	<250	<1.2	<1.2	<15	<1.5
SV41		1.5	16-Jul-21		41	<0.52	7.86	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	28.1	9.2	8.0	<1.2	19.0	30.8
		1.5	16-Feb-22		41	<0.52	2.13	<1.4	2.00	<1.5	0.85	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	2-Oct-22		41	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	22.1	<250	<1.2	<1.2	<15	<1.5
SV101		0.3 m below foundation	3-Oct-22		101	<0.52	2.18	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	42.8	<250	<1.2	<1.2	<15	<1.5
SV321B		1.04 - 1.09	11-Mar-21	b	321B	<0.52	2.42	<1.4	4.86	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	21.6	3.3	<1.2	5.3	<1.5
		1.04 - 1.09	8-Jul-21	b	321B	0.88	3.07	<1.4	5.58	<1.5	1.05	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	13.3	8.8	<1.2	3.4	<1.5
		1.04 - 1.09	8-Nov-21	b	321B	<0.52	2.27	<1.4	36.6	<1.5	<0.62	<0.51	<1.1	<1.9	2.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.04 - 1.09	11-Feb-22	b	321B	<0.52	1.58	<1.4	1.85	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.04 - 1.09	24-May-22	b	321B	<0.52	3.12	<1.4	81.1	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	11.5	<1.2	<15	<1.5
		1.04 - 1.09	4-Oct-22	b	321B	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV322		1.0	11-Mar-21		322	<0.52	2.47	<1.4	1.87	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	3.4	1.4	<1.2	2.4	<1.5
		1.0	8-Jul-21		322	1.96	3.07	<1.4	3.22	<1.5	0.95	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	13.1	7.3	<1.2	10.7	1.9
		1.0	8-Nov-21		322	<0.52	2.42	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	11-Feb-22		322	<0.52	1.63	<1.4	2.64	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	3.6
		1.0	24-May-22		322	12.6	3.02	<1.4	327	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	1.0	24-May-22		9322	13.7	3.26	<1.4	348	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	4-Oct-22		322	<0.52	<0.99	<1.4	5.80	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	1.0	4-Oct-22		9322	<0.52	<0.99	<1.4	4.92	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	2.2
SV323		1.0	12-Mar-21		323	<0.52	2.57	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	4.6	3.3	<1.2	2.6	<1.5
		1.0	8-Jul-21		323	2.98	3.02	<1.4	1.19	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	6.6	<1.2	<1.2	<1.0	<1.5
		1.0	8-Nov-21		323	<0.52	2.42	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	1.0	8-Nov-21		9323	<0.52	2.62	<1.4	3.62	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	11-Feb-22		323	<0.52	1.78	<1.4	18.1	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	24-May-22		323	<0.52	3.12	<1.4	4.80	<1.5	0.89	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	3-Oct-22		323	8.74	2.52	<1.4	75.7	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	11.1	<1.2	<15	1.7
SV324		1.5	3-Oct-22		324	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV325		1.5	4-Oct-22		325	<0.52	<0.99	<1.4	5.13	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV326		1.5	4-Oct-22		326	<0.52	2.03	<1.4	2.79	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV401		1.5	12-Mar-21		401	<0.52	2.18	<1.4	1.85	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	3.0	<1.2	<1.2	1.6	<1.5
		1.5	8-Jul-21		401	2.60	3.12	<1.4	7.84	<1.5	1.92	<0.51	<1.1	<1.9	<1.1	<0.88	2.6	19.9	4.8	<1.2	1.0	1.8
		1.5	9-Nov-21		401	<0.52	2.42	<1.4	9.01	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	3.6
		1.5	12-Feb-22		401	<0.52	1.43	<1.4	4.15	<1.5	1.09	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	24-May-22		401	<0.52	3.07	<1.4	4.45	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	2.6	<1.2	<15	<1.5
		1.5	5-Oct-22		401	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV402		1.5	12-Mar-21		402	<0.52	2.62	<1.4	7.90	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	18.6	16.3	<1.2	42.0	4.1
		1.5	7-Jul-21		402	1.67	3.61	<1.4	5.31	<1.5	1.42	<0.51	<1.1	<1.9	<1.1	<0.88	2.9	15.7	42.6	<1.2	2.3	2.3
		1.5	9-Nov-21		402	315000	<6300	<9100	1050000	<8300	<3000	<3500	<2600	<4700	<3700	<5500	<7300	764000	<3900	<3700	<3900	<2800
		1.5	20-Dec-21		402CS	27.6	<0.99	<1.4	377	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	12-Feb-22		402	<0.52	1.24	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
	Dup	1.5	12-Feb-22		9402	<0.52	1.14	<1.4	1.90	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	25-May-22		402	82600	<0.99	<1.4	1650000	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	27-Jun-22	a	402CS	148	1.09	<1.4	28700	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.5	5-Oct-22	a	402	<0.52	2.57	<1.4	5.50	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV403		0.95	11-Mar-21		403	<0.52	2.37	<1.4	2.49	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	4.0	2.4	<1.2	5.5	<1.5
		0.95	7-Jul-21		403	1.00	3.31	<1.4	4.18	<1.5	1.30	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	14.8	18.7	<1.2	13.9	<1.5
		0.95	8-Nov-21		403	<0.52	3.12	<1.4	<0.94	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		0.95	11-Feb-22		403	<0.52	2.37	<1.4	3.18	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		0.95	24-May-22		403	<0.52	<0.99	<1.4	9.52	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		0.95	5-Oct-22		403	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
SV404		1.0	11-Mar-21		404	1.57	2.52	<1.4	7.08	<1.5	1.51	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	6.1	1.9	<1.2	4.2	<1.5
		1.0	7-Jul-21		404	1.98	3.16	<1.4	3.83	<1.5	0.87	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	16.3	47.4	<1.2	4.0	<1.5
		1.0	8-Nov-21		404	<0.52	2.27	<1.4	1.73	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	11-Feb-22		404	<0.52	1.58	<1.4	2.90	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5
		1.0	25-May-22		404	<0.52	3.21	<1.4	8.37	<1.5	<0.62	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	6.5	<1.2	<15	<1.5
		1.0	5-Oct-22		404	<0.52	<0.99	<1.4	<0.94	<1.5	<2.0	<0.51	<1.1	<1.9	<1.1	<0.88	<2.2	<250	<1.2	<1.2	<15	<1.5

a - Awaiting confirmation of analytical data for all analytes.
b - Awaiting well depth confirmation.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Notes: Results for all parameters are reported in micrograms per metre cubed ($\mu g/m^3$), unless otherwise specified.
All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3b.2

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
VOLATILE ORGANIC COMPOUND PARAMETERS

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Original Sample ID	trans-1,2-Dichloroethene	Methyl tert-Butyl ether (MTBE)	1,1-Dichloroethane	Vinyl Acetate	n-Hexane	Methyl Ethyl Ketone	cis-1,2-Dichloroethene	Chloroform	Ethyl Acetate	Tetrahydrofuran	1,1,1-Trichloroethane	2,2,4-Trimethylpentane (Iso octane)	Cyclohexane	Carbon Tetrachloride	1,2-Dichloropropane	n-Heptane	Trichloroethene
Guidelines:						NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
SV01		4.5	27-Jun-22		1	<0.80	<0.72	<1.2	<1.8	13.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	6.5	<0.69	<1.9	<1.8	<1.2	<1.1
SV07		5.0	12-Jul-21		7	<0.80	<0.72	<1.2	<1.8	1.6	5.3	<0.80	<1.0	3.5	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		5.0	1-Oct-22		7	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV08		4.0	12-Jul-21		8	<0.80	<0.72	<1.2	<1.8	1.5	1.6	<0.80	<1.0	4.9	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	3.4
		4.0	14-Feb-22		8	<0.80	<0.72	<1.2	<1.8	5.6	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.10	<1.9	<1.8	1.9	<1.1
	Dup	4.0	14-Feb-22		98	<0.80	<0.72	<1.2	<1.8	4.5	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.00	<1.9	<1.8	1.6	<1.1
		4.0	30-Sep-22		8	<0.80	<0.72	<1.2	<1.8	<1.1	1.8	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
	Dup	4.0	30-Sep-22		98	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV09	Dup	4.0	12-Jul-21		99	<0.80	<0.72	<1.2	<1.8	<1.1	2.6	<0.80	<1.0	2.7	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.3
		4.0	12-Jul-21		9	<0.80	<0.72	<1.2	<1.8	<1.1	1.7	<0.80	<1.0	3.0	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		4.0	14-Feb-22		9	<0.80	<0.72	<1.2	<1.8	4.8	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.03	<1.9	<1.8	1.8	<1.1
		4.0	30-Sep-22		9	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	5.3	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.7
SV10		1.0	12-Jul-21		10	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	10-Feb-22		10	<0.80	<0.72	<1.2	<1.8	3.4	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	0.72	<1.9	<1.8	1.3	<1.1
		1.0	26-Sep-22		10	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV11		1.5	15-Jul-21		11	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	8.9	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.5	17-Feb-22		11	<0.80	<0.72	<1.2	<1.8	5.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.14	<1.9	<1.8	2.3	<1.1
		1.5	6-Oct-22		11	<0.80	<0.72	<1.2	<1.8	1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV20		3.5	14-Jul-21		20	<0.80	<0.72	<1.2	<1.8	1.7	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		3.5	15-Feb-22		20	<0.80	<0.72	<1.2	<1.8	424	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	183	105	<1.9	<1.8	148	<1.1
		3.5	28-Sep-22		20	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV21		3.5	14-Jul-21		21	<0.80	<0.72	<1.2	<1.8	2.3	2.3	<0.80	5.0	<1.8	<1.2	<1.6	<2.3	1.27	<1.9	<1.8	<1.2	<1.1
		3.5	15-Feb-22		21	<0.80	<0.72	<1.2	<1.8	84.6	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	52.2	29.1	<1.9	<1.8	42.9	<1.1
		3.5	28-Sep-22		21	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	10.3	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV22		4.0	14-Jul-21		22	<0.80	<0.72	<1.2	<1.8	<1.1	2.1	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		4.0	15-Feb-22		22	<0.80	<0.72	<1.2	<1.8	5.3	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.07	<1.9	<1.8	1.5	<1.1
		4.0	28-Sep-22		22	<0.80	<0.72	<1.2	<1.8	1.3	2.2	<0.80	<1.0	3	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV23		4.5	14-Jul-21		23	<0.80	<0.72	<1.2	<1.8	<1.1	4.1	<0.80	1.0	<1.8	4.7	<1.6	<2.3	<0.69	<1.9	<1.8	3.8	<1.1
		4.5	15-Feb-22		23	<0.80	<0.72	<1.2	<1.8	4.7	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.00	<1.9	<1.8	1.6	<1.1
		4.5	28-Sep-22		23	<0.80	<0.72	<1.2	<1.8	3.6	<1.5	<0.80	8.9	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV24		5.0	14-Jul-21		24	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	11.7	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		5.0	10-Feb-22		24	<0.80	<0.72	<1.2	<1.8	3.0	<1.5	<0.80	3.1	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	1.8	<1.1
		5.0	28-Sep-22		24	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	13.2	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV25		5.0	14-Jul-21		25	<0.80	<0.72	<1.2	<1.8	3.7	14.5	<0.80	<1.0	2.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.3
		5.0	10-Feb-22		25	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	5.7	<1.1
		5.0	28-Sep-22		25	<0.80	<0.72	<1.2	<1.8	16.1	35.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV26A		5.0	12-Jul-21		26A	<0.80	<0.72	<1.2	<1.8	<1.1	1.5	<0.80	3.2	6.6	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	3.1
		5.0	11-Feb-22		26A	<0.80	<0.72	<1.2	<1.8	3.6	<1.5	<0.80	2.0	<1.8	<1.2	<1.6	<2.3	1.14	<1.9	<1.8	1.9	<1.1
		5.0	1-Oct-22		26A	<0.80	<0.72	<1.2	<1.8	2.4	8.2	<0.80	4.8	8.5	<1.2	<1.6	4.5	<0.69	<1.9	<1.8	<1.2	9.0
SV26B		3.5	12-Jul-21		26B	<0.80	<0.72	<1.2	<1.8	1.1	3.6	<0.80	3.2	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		3.5	11-Feb-22		26B	<0.80	<0.72	<1.2	<1.8	4540	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	1740	672	<1.9	<1.8	1440	<1.1
		3.5	1-Oct-22		26B	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.3	3.7	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV26C		2.0	12-Jul-21		26C	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	3.1	2.1	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		2.0	11-Feb-22		26C	<0.80	<0.72	<1.2	<1.8	2.7	<1.5	<0.80	1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	1.3	<1.1
		2.0	1-Oct-22		26C	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.3	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV27		3.0	10-Feb-22		27	<0.80	<0.72	<1.2	<1.8	161	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	46.7	29.8	<1.9	<1.8	41.5	<1.1
		3.0	26-Sep-22		27	<0.80	<0.72	<1.2	<1.8	9.8	5.1	<0.80	1.9	<1.8	<1.2	<1.6	<2.3	2.38	<1.9	<1.8	3.6	<1.1
SV28		2.5	10-Feb-22		28	<0.80	<0.72	<1.2	<1.8	4.0	<1.5	<0.80	3.5	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		2.5	26-Sep-22		28	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV29		1.5	10-Feb-22		29	<0.80	<0.72	<1.2	<1.8	1.2	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	1.5	<1.1
		1.5	26-Sep-22		29	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	12.8	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV30		1.0	16-Jul-21		30	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.1	4.4	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	16-Feb-22		30	<0.80	<0.72	<1.2	<1.8	8.4	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.89	<1.9	<1.8	2.6	<1.1
		1.0	2-Oct-22		30	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.8	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV31		1.0	15-Jul-21		31	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	17-Feb-22		31	<0.80	<0.72	<1.2	<1.8	5.0	<1.5	<0.80	<1.0	2.7	<1.2	<1.6	<2.3	1.24	<1.9	<1.8	1.8	1.2
		1.0	3-Oct-22		31	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.8	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.5
	Dup	1.0	3-Oct-22		931	3.09	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	3.5	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV32	Dup	1.0	12-Mar-21		932	<0.80	<0.72	<1.2	<1.8	6.2	2.1	<0.80	<1.0	<1.8	<1.2	<1.6	3.0	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	12-Mar-21		32	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
	Dup	1.0	7-Jul-21		932	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.2	2.3	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.8
		1.0	7-Jul-21		32	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.3	1.9	1.5	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	2.4
		1.0	9-Nov-21		32	<3260	<2100	<4300	<3500	123000	<2800	<3900	<5300	<2900	<1700	<5300	75500	39400	<7100	<5100	34700	<5600
		1.0	20-Dec-21		32CS	<0.80	<0.72	<1.2	<1.8	68.8	<1.5	<0.8	<1.0	<1.8	<1.2	<1.6	<2.3	13.9	<1.9	<1.8	17.8	<1.1
		1.0	12-Feb-22		32	<0.80	<0.72	<1.2	<1.8	9.6	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	2.10	<1.9	<1.8	2.8	<1.1
		1.0	25-May-22		32	<0.80	<0.72	<1.2	<1.8	6110	<1.5	<0.80	<1.0	10.8	<1.2	<1.6	2160	950	<1.9	<1.8	2250	<1.1
		1.0	27-Jun-22	a	32CS	<0.80	<0.72	<1.2	<1.8	5720	<1.5	<0.80	<1.0	4.5	<1.2	<1.6	4030	652	<1.9	<1.8	1740	<1.1
		1.0	5-Oct-22		32	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
	Dup	1.0	5-Oct-22		932	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV36		3.0	8-Jul-21		36	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	66.5	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		3.0	15-Feb-22		36	<0.80	<0.72	<1.2	<1.8	4.6	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.00	<1.9	<1.8	1.6	<1.1
		3.0	30-Sep-22		36	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	46	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV37		2.5	15-Jul-21		37	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	76.6	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		2.5	17-Feb-22		37	<0.80	<0.72	<1.2	<1.8	5.6	<1.5	1.47	<1.0	<1.8	<1.2	<1.6	<2.3	1.45	<1.9	<1.8	2.5	<1.1
		2.5	30-Sep-22		37	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	212	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1

a - Awaiting confirmation of analytical data for all analytes.
b - Awaiting well depth confirmation.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Notes: Results for all parameters are reported in micrograms per metre cubed (µg/m^3), unless otherwise specified.
All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3b.2

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
VOLATILE ORGANIC COMPOUND PARAMETERS

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Original Sample ID	trans-1,2-Dichloroethene	Methyl tert-Butyl ether (MTBE)	1,1-Dichloroethane	Vinyl Acetate	n-Hexane	Methyl Ethyl Ketone	cis-1,2-Dichloroethene	Chloroform	Ethyl Acetate	Tetrahydrofuran	1,1,1-Trichloroethane	2,2,4-Trimethylpentane (Iso octane)	Cyclohexane	Carbon Tetrachloride	1,2-Dichloropropane	n-Heptane	Trichloroethene
Guidelines:						NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
SV38		4.0	16-Jul-21		38	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	94.5	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.6
		4.0	16-Feb-22		38	<0.80	<0.72	<1.2	<1.8	36.0	<1.5	<0.80	<1.0	5.3	<1.2	<1.6	<2.3	7.23	<1.9	<1.8	7.3	<1.1
		4.0	2-Oct-22		38	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.9	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.3
SV39		2.0	15-Jul-21		39	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	104	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		2.0	17-Feb-22		39	<0.80	<0.72	<1.2	<1.8	6.0	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	5.3	1.27	<1.9	<1.8	2.3	<1.1
	Dup	2.0	17-Feb-22		939	<0.80	<0.72	<1.2	<1.8	5.3	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	5.2	1.14	<1.9	<1.8	2.3	<1.1
		2.0	30-Sep-22		39	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	468	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV40		1.5	15-Jul-21		40	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	11.7	38.1	<1.2	<1.6	<2.3	3.10	<1.9	<1.8	<1.2	137
		1.5	17-Feb-22		40	<0.80	<0.72	<1.2	<1.8	5.6	<1.5	<0.80	<1.0	2.1	<1.2	<1.6	<2.3	1.10	<1.9	<1.8	2.5	<1.1
		1.5	6-Oct-22		40	<0.80	<0.72	<1.2	<1.8	1.4	<1.5	<0.80	21.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	1.2	<1.1
SV41		1.5	16-Jul-21		41	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	4.6	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.5	16-Feb-22		41	<0.80	<0.72	<1.2	<1.8	20.3	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	4.51	<1.9	<1.8	5.1	<1.1
		1.5	2-Oct-22		41	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.3	3.5	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV101		0.3 m below foundation	3-Oct-22		101	<0.80	<0.72	<1.2	<1.8	1.2	<1.5	<0.80	2.3	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV321B		1.04 - 1.09	11-Mar-21	b	321B	<0.80	<0.72	<1.2	<1.8	<1.1	1.9	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.04 - 1.09	8-Jul-21	b	321B	<0.80	<0.72	<1.2	<1.8	1.8	<1.5	<0.80	<1.0	5.2	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.04 - 1.09	8-Nov-21	b	321B	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.04 - 1.09	11-Feb-22	b	321B	<0.80	<0.72	<1.2	<1.8	1.4	<1.5	<0.80	<1.0	28.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	3.2
		1.04 - 1.09	24-May-22	b	321B	<0.80	<0.72	<1.2	<1.8	1.5	16.5	<0.80	<1.0	3.5	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.04 - 1.09	4-Oct-22	b	321B	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.5	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV322		1.0	11-Mar-21		322	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	1.9	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	8-Jul-21		322	<0.80	<0.72	<1.2	<1.8	3.7	2.2	<0.80	1.4	5.7	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	8-Nov-21		322	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	11-Feb-22		322	<0.80	<0.72	<1.2	<1.8	18.3	<1.5	<0.80	<1.0	4.1	<1.2	<1.6	<2.3	3.92	<1.9	<1.8	4.7	<1.1
		1.0	24-May-22		322	<0.80	<0.72	<1.2	<1.8	154	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	44.1	21.8	<1.9	<1.8	45.0	<1.1
	Dup	1.0	24-May-22		9322	<0.80	<0.72	<1.2	<1.8	165	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	44.5	22.5	<1.9	<1.8	48.1	<1.1
		1.0	4-Oct-22		322	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.6	3.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	2.2
	Dup	1.0	4-Oct-22		9322	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.5	2.1	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.7
SV323		1.0	12-Mar-21		323	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	1.7	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.8
		1.0	8-Jul-21		323	49.6	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	42.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	8-Nov-21		323	2.22	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.6	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
	Dup	1.0	8-Nov-21		9323	2.18	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.8	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	11-Feb-22		323	2.89	<0.72	<1.2	<1.8	1.8	<1.5	<0.80	1.1	4.0	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	24-May-22		323	17.5	<0.72	<1.2	<1.8	2.4	<1.5	<0.80	5.1	2.5	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	3.9
		1.0	3-Oct-22		323	7.97	<0.72	<1.2	<1.8	7.4	<1.5	<0.80	6.1	<1.8	<1.2	<1.6	<2.3	1.34	<1.9	<1.8	2.7	<1.1
SV324		1.5	3-Oct-22		324	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV325		1.5	4-Oct-22		325	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	73.2	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV326		1.5	4-Oct-22		326	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	15.2	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV401		1.5	12-Mar-21		401	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.5	8-Jul-21		401	<0.80	<0.72	<1.2	2.4	<1.1	1.7	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.6
		1.5	9-Nov-21		401	<0.80	<0.72	<1.2	<1.8	<1.1	3.4	<0.80	2.4	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.5	12-Feb-22		401	<0.80	<0.72	<1.2	<1.8	2.7	<1.5	<0.80	<1.0	1.9	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.5	24-May-22		401	<0.80	<0.72	<1.2	<1.8	1.6	2.1	<0.80	4.2	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	1.6
		1.5	5-Oct-22		401	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	17.5	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV402		1.5	12-Mar-21		402	<0.80	<0.72	<1.2	<1.8	3.7	<1.5	<0.80	3.9	<1.8	<1.2	<1.6	3.4	<0.69	<1.9	<1.8	<1.2	8.5
		1.5	7-Jul-21		402	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	3.7	<1.8	1.4	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	4.6
		1.5	9-Nov-21		402	<3260	<2100	<4300	<3500	153000	<2800	<3900	<5300	<2900	<1700	<5300	83700	48100	<7100	<5100	41600	<5600
		1.5	20-Dec-21		402CS	<0.80	<0.72	<1.2	<1.8	46.1	<1.5	<0.8	<1.0	<1.8	<1.2	<1.6	64.7	9.09	<1.9	<1.8	10.2	<1.1
		1.5	12-Feb-22		402	<0.80	<0.72	<1.2	<1.8	1.9	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
	Dup	1.5	12-Feb-22		9402	<0.80	<0.72	<1.2	<1.8	1.2	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.5	25-May-22		402	<0.80	<0.72	<1.2	<1.8	861000	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	276000	156000	<1.9	<1.8	263000	<1.1
		1.5	27-Jun-22	a	402CS	<0.80	<0.72	<1.2	<1.8	4020	<1.5	<0.80	<1.0	8.1	<1.2	<1.6	2690	470	<1.9	<1.8	1190	<1.1
		1.5	5-Oct-22	a	402	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV403		0.95	11-Mar-21		403	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	7.5	2.6	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		0.95	7-Jul-21		403	<0.80	<0.72	<1.2	<1.8	6.0	<1.5	<0.80	13.2	10.9	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		0.95	8-Nov-21		403	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	11.1	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		0.95	11-Feb-22		403	<0.80	<0.72	<1.2	<1.8	3.3	<1.5	<0.80	4.5	<1.8	<1.2	<1.6	<2.3	0.86	<1.9	<1.8	1.8	<1.1
		0.95	24-May-22		403	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	29.6	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	2.3
		0.95	5-Oct-22		403	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	18.8	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
SV404		1.0	11-Mar-21		404	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	7-Jul-21		404	<0.80	<0.72	<1.2	<1.8	1.5	<1.5	<0.80	12.8	3.0	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	8-Nov-21		404	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	2.0	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1
		1.0	11-Feb-22		404	<0.80	<0.72	<1.2	<1.8	7.8	<1.5	<0.80	<1.0	<1.8	<1.2	<1.6	<2.3	1.69	<1.9	<1.8	2.6	<1.1
		1.0	25-May-22		404	<0.80	<0.72	<1.2	<1.8	3.1	2.9	<0.80	3.9	6.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	3.7
		1.0	5-Oct-22		404	<0.80	<0.72	<1.2	<1.8	<1.1	<1.5	<0.80	6.8	<1.8	<1.2	<1.6	<2.3	<0.69	<1.9	<1.8	<1.2	<1.1

a - Awaiting confirmation of analytical data for all analytes.
b - Awaiting well depth confirmation.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Notes: Results for all parameters are reported in micrograms per metre cubed (µg/m^3), unless otherwise specified.
All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3b.3

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
VOLATILE ORGANIC COMPOUND PARAMETERS

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Original Sample ID	Bromodichloromethane	1,4-Dioxane	Methyl Methacrylate	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl Isobutyl Ketone (MIBK)	1,1,2-Trichloroethane	2-Hexanone	Dibromochloromethane	1,2-Dibromoethane	Tetrachloroethene	Chlorobenzene	Bromoform	Styrene	1,1,2,2-Tetrachloroethane	1-Ethyl-4-Methylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3-Dichlorobenzene	Benzyl Chloride	1,4-Dichlorobenzene	1,2-Dichlorobenzene	1,2,4-Trichlorobenzene	Hexachlorobutadiene
Guidelines:						NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
SV01		4.5	27-Jun-22		1	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV07		5.0	12-Jul-21		7	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		5.0	1-Oct-22		7	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV08		4.0	12-Jul-21		8	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	14-Feb-22		8	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	4.0	14-Feb-22		98	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	30-Sep-22		8	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	4.0	30-Sep-22		98	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV09	Dup	4.0	12-Jul-21		99	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	3.2	<2.6	3.4	<2.4	<3.7	<5.3
		4.0	12-Jul-21		9	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	14-Feb-22		9	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	30-Sep-22		9	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV10		1.0	12-Jul-21		10	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	10-Feb-22		10	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	26-Sep-22		10	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV11		1.5	15-Jul-21		11	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	7.2	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	17-Feb-22		11	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	6-Oct-22		11	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV20		3.5	14-Jul-21		20	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.5	15-Feb-22		20	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.5	28-Sep-22		20	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV21		3.5	14-Jul-21		21	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.5	15-Feb-22		21	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.5	28-Sep-22		21	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV22		4.0	14-Jul-21		22	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	15-Feb-22		22	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	28-Sep-22		22	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV23		4.5	14-Jul-21		23	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	2.4	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	3.4	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.5	15-Feb-22		23	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.5	28-Sep-22		23	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV24		5.0	14-Jul-21		24	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		5.0	10-Feb-22		24	<1.3	2.3	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		5.0	28-Sep-22		24	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV25		5.0	14-Jul-21		25	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		5.0	10-Feb-22		25	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		5.0	28-Sep-22		25	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	32.1	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV26A		5.0	12-Jul-21		26A	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		5.0	11-Feb-22		26A	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		5.0	1-Oct-22		26A	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV26B		3.5	12-Jul-21		26B	<1.3	<2.2	<2.0	<0.91	<0.91	4.3	<1.1	<2.0	<1.7	<1.5	1.3	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	4.8	<2.4	<2.4	<3.7	<5.3
		3.5	11-Feb-22		26B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	3.2	2.8	8.0	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.5	1-Oct-22		26B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV26C		2.0	12-Jul-21		26C	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		2.0	11-Feb-22		26C	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		2.0	1-Oct-22		26C	<1.3	<2.2	<2.0	<0.91	<0.91	5.2	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV27		3.0	10-Feb-22		27	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.0	28-Sep-22		27	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.5	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV28		2.5	10-Feb-22		28	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.6	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		2.5	26-Sep-22		28	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.9	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV29		1.5	10-Feb-22		29	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	26-Sep-22		29	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	4.1	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV30		1.0	16-Jul-21		30	<1.3	<2.2	<2.0	<0.91	<0.91	2.7	<1.1	2.0	<1.7	<1.5	2.4	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	16-Feb-22		30	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	2-Oct-22		30	<1.3	<2.2	<2.0	<0.91	<0.91	5.4	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV31		1.0	15-Jul-21		31	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	17-Feb-22		31	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	3-Oct-22		31	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	1.0	3-Oct-22		931	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV32	Dup	1.0	12-Mar-21		932	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	12-Mar-21		32	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	1.0	7-Jul-21		932	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	7-Jul-21		32	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	3.1	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	9-Nov-21		32	<650	<3100	<2600	<3800	<4100	<4700	<5900	<2600	<10000	<9500	<7500	<5500	<13000	<4800	<9100	<8700	<6700	17600	<16000	<14000	<5700	<7300	<4700	<9700
		1.0	20-Dec-21		32CS	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	2.6	10.1	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	12-Feb-22		32	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	25-May-22		32	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	1.02	<1.4	287	318	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	27-Jun-22	a	32CS	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	68.6	79.1	246	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	5-Oct-22		32	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	1.0	5-Oct-22		932	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3

a - Awaiting confirmation of analytical data for all analytes.
b - Awaiting well depth confirmation.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Notes: Results for all parameters are reported in micrograms per metre cubed (µg/m^3), unless otherwise specified.
All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3b.3

SUMMARY OF 2021 AND 2022 SOIL VAPOUR ANALYTICAL DATA
VOLATILE ORGANIC COMPOUND PARAMETERS

Well ID	Duplicate	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Footnote	Original Sample ID	Bromodichloromethane	1,4-Dioxane	Methyl Methacrylate	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Methyl Isobutyl Ketone (MIBK)	1,1,2-Trichloroethane	2-Hexanone	Dibromochloromethane	1,2-Dibromoethane	Tetrachloroethene	Chlorobenzene	Bromoform	Styrene	1,1,2,2-Tetrachloroethane	1-Ethyl-4-Methylbenzene	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3-Dichlorobenzene	Benzyl Chloride	1,4-Dichlorobenzene	1,2-Dichlorobenzene	1,2,4-Trichlorobenzene	Hexachlorobutadiene
Guidelines:						NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
SV36		3.0	8-Jul-21		36	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.0	15-Feb-22		36	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		3.0	30-Sep-22		36	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV37		2.5	15-Jul-21		37	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		2.5	17-Feb-22		37	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		2.5	30-Sep-22		37	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV38		4.0	16-Jul-21		38	8.7	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.2	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	16-Feb-22		38	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		4.0	2-Oct-22		38	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV39		2.0	15-Jul-21		39	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.6	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		2.0	17-Feb-22		39	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	2.0	17-Feb-22		939	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		2.0	30-Sep-22		39	4.7	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV40		1.5	15-Jul-21		40	<1.3	<2.2	<2.0	<0.91	<0.91	2.3	<1.1	<2.0	<1.7	<1.5	3.7	<0.92	<2.1	1.66	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	17-Feb-22		40	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	6-Oct-22		40	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.8	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV41		1.5	16-Jul-21		41	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	3.9	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	16-Feb-22		41	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	2-Oct-22		41	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV101		0.3 m below foundation	3-Oct-22		101	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV321B		1.04 - 1.09	11-Mar-21	b	321B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.04 - 1.09	8-Jul-21	b	321B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.5	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.04 - 1.09	8-Nov-21	b	321B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	14.1	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.04 - 1.09	11-Feb-22	b	321B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.04 - 1.09	24-May-22	b	321B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.04 - 1.09	4-Oct-22	b	321B	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	2.2	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV322		1.0	11-Mar-21		322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	8-Jul-21		322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	8-Nov-21		322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	11-Feb-22		322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	24-May-22		322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	5.0	5.0	18.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	1.0	24-May-22		9322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	5.1	5.1	18.4	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	4-Oct-22		322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	1.0	4-Oct-22		9322	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV323		1.0	12-Mar-21		323	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	8-Jul-21		323	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	8-Nov-21		323	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	1.0	8-Nov-21		9323	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	11-Feb-22		323	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	24-May-22		323	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	3-Oct-22		323	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	48.2	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV324		1.5	3-Oct-22		324	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV325		1.5	4-Oct-22		325	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV326		1.5	4-Oct-22		326	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV401		1.5	12-Mar-21		401	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	8-Jul-21		401	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	2.8	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	9-Nov-21		401	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	12-Feb-22		401	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	24-May-22		401	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.4	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	5-Oct-22		401	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV402		1.5	12-Mar-21		402	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	5.2	4.6	7.0	<2.5	<2.6	<2.4	<2.4	9.2	<5.3
		1.5	7-Jul-21		402	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.8	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	9-Nov-21		402	<650	<3100	<2600	<3800	<4100	<4700	<5900	<2600	<10000	<9500	<7500	<5500	<13000	<4800	<9100	<8700	6840	19100	<16000	<14000	<5700	<7300	<4700	<9700
		1.5	20-Dec-21		402CS	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	4.1	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	12-Feb-22		402	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
	Dup	1.5	12-Feb-22		9402	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	25-May-22		402	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	233	<1.4	22300	21400	63800	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	27-Jun-22	a	402CS	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	92.5	103	371	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.5	5-Oct-22	a	402	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV403		0.95	11-Mar-21		403	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		0.95	7-Jul-21		403	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		0.95	8-Nov-21		403	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		0.95	11-Feb-22		403	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		0.95	24-May-22		403	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		0.95	5-Oct-22		403	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
SV404		1.0	11-Mar-21		404	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	7-Jul-21		404	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	2.6	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	8-Nov-21		404	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	11-Feb-22		404	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	<1.0	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	25-May-22		404	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	1.1	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3
		1.0	5-Oct-22		404	<1.3	<2.2	<2.0	<0.91	<0.91	<2.0	<1.1	<2.0	<1.7	<1.5	2.2	<0.92	<2.1	<0.85	<1.4	<2.5	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<3.7	<5.3

a - Awaiting confirmation of analytical data for all analytes.
b - Awaiting well depth confirmation.
NG - No guideline.
"-" - Not analyzed.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Notes: Results for all parameters are reported in micrograms per metre cubed (µg/m^3), unless otherwise specified.
All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 3c

2021 to 2022 SOIL VAPOUR ANALYTICAL DATA
MATRIX GAS

Well ID	Dup	Total Well Depth (mbgs)	Date Sampled (dd-mmm-yy)	Original Sample ID	Helium	Hydrogen	Oxygen	Nitrogen	Carbon Dioxide	Hydrogen Sulphide	Methane	Ethane	Propane	I-Butane	N-Butane	I-Pentane	N-Pentane	Hexanes	Heptanes	Octanes	Nonanes	Decanes+
					(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Guidelines:					NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
SV32	Dup	1.0	12-Mar-21	932	0.2606	0.0083	17.1833	80.7652	1.7826	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SV26A		5.0	12-Jul-21	26A	0.023	0.004	19.848	78.936	1.189	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
		5.0	11-Feb-22	26A	<0.001	0.0128	20.6108	78.4465	0.9287	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
		5.0	1-Oct-22	26A	0.03	<0.01	20.31	78.9	0.71	<0.0001	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SV26B		3.5	12-Jul-21	26B	0.007	0.002	20.288	78.923	0.781	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
		3.5	11-Feb-22	26B	0.0257	0.0352	20.9215	78.5524	0.4610	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0014	0.0011	<0.001	<0.001	<0.001
		3.5	1-Oct-22	26B	<0.01	<0.01	20.10	79.2	0.71	<0.0001	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
SV26C		2.0	12-Jul-21	26C	0.027	0.002	19.849	79.321	0.801	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
		2.0	11-Feb-22	26C	<0.001	0.0559	20.9268	78.4332	0.5745	<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0030	0.0045	<0.001	<0.001	<0.001
		2.0	1-Oct-22	26C	0.01	<0.01	19.09	80.1	0.76	<0.0001	<0.01	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

NG - No guideline.
Dup - Duplicate Sample.
mbgs - metres below ground surface (unless otherwise specified)
Notes: Results for all parameters are reported in micrograms per metre cubed ($\mu g/m^3$), unless otherwise specified.
All 2021 and 2022 analytical data was collected by Clifton Engineering Group Inc.

TABLE 4

SUMMARY OF 2022 GROUNDWATER ANALYTICAL DATA

Well ID	Sample Date	Duplicate	Well Screen (mbgs)	Guideline Referenced	Benzene	Toluene	Ethylbenzene	Xylenes	Petroleum Hydrocarbons F1 (C6-C10)	Petroleum Hydrocarbons F2 (>C10-C16)	1,2-Dichloroethane	Alkalinity (Total as CaCO3)	Calcium (filtered)	Chloride (filtered)	Electrical Conductivity (µS/cm)	Fluoride	Hardness (CaCO3)	Hydroxide (OH)	Iron (filtered)	Magnesium (filtered)	Manganese (filtered)	pH (unitless)	Potassium (filtered)	Sodium (filtered)	SAR (unitless)	Sulphate (filtered)	TDS	Nitrate (as N) (filtered)	Nitrate (as NO3) (filtered)	Nitrite (as N) (filtered)	Nitrite (as NO2) (filtered)	Nitrate + Nitrite - N
Guidelines[a]:																																
Domestic Use Aquifer Pathway					0.005	0.024	0.0016	0.02	2.2	1.1	0.005	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Vapour Inhalation Pathway:																																
N1 Area (Tier 2)					16	NG	NG	NG	540	NG	0.048	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
N2 Area (Tier 2)					12	NG	NG	NG	420	NG	0.038	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
S1 Area (Tier 2)					0.67	NG	NG	52	23	NG	0.2	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
S2 Area (Tier 2)					0.57	NG	NG	44	19	NG	0.17	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Commercial area, Coarse-grained					0.37	NG	NG	26	9.1	17	0.13	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential/Residential Buffer area, Coarse-grained					0.03	45	31	2.2	0.81	1.5	0.01	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential, Fine-grained					0.57	NG	NG	44	19	NG	0.17	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Ecological Soil Contact Pathway:																																
N1, N2, S1, S2 Areas (Residential, most stringent of fine or coarse-grained)[b]					61	59	20	21	6.5	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Commercial area, Coarse-grained					350	200	110	120	11	3.1	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential/Residential Buffer area, Coarse-grained					61	59	20	31	7.1	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential, Fine-grained					100	82	42	21	6.5	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Most stringent guideline for Routine Parameters					NG	NG	NG	NG	NG	NG	NG	NG	NG	120	NG	1.5	NG	NG	0.3	NG	0.02	6.5-8.5	NG	200	NG	429	500	3	NG	0.02	NG	NG
BH1102	3-Jun-2022		7.6 - 15.2	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1701	7-Jun-2022		6.4 - 12.19	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1704	15-Jun-2022		9.1 - 13.7	N1	*0.839*	*2.83*	*0.247*	*12.2*	*5.8*	***5.1***	*0.023*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1904	16-Jun-2022		12.8 - 16.8	Commercial area	*0.174*	<0.0003	0.0016	0.0022	0.3	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1905	16-Jun-2022		3.1 - 6.1	Commercial area	*0.036*	0.0174	*0.609*	*4.57*	*3.3*	***8.1***	*0.013*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1906	5-Jun-2022		11.6 - 19.2	N1	*2.55*	<0.0003	<0.0005	<0.0005	<0.1	<0.1	*0.034*	479			2080	0.03	1030	<5	<0.1		**0.687**	7.79			0.58	31.7	**1100**	**31.2**	138	**4.38**	14.4	35.6
BH1907	3-Jun-2022		8.8 - 18.0	N1	*1.13*	*7.63*	*0.546*	*8.5*	*3.0*	0.8	*0.015*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1907	3-Jun-2022	Dup	8.8 - 18.0	N1	*1.13*	*7.48*	*0.541*	*8.34*	*3.4*	0.8	*0.017*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1908	3-Jun-2022		12.2 - 16.8	N1	0.0007	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1910	5-Jun-2022		11.0 - 18.6	N1	*0.171*	<0.0003	<0.0005	<0.0005	<0.1	<0.1	*0.027*	511			2030	0.07	984	<5	<0.1		**0.638**	7.85			0.63	23.8	**998**	0.59	2.6	<0.01	<0.05	0.59
BH1911	2-Jun-2022		14.3 - 18.3	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1912	23-Jun-2022		13.4 - 21.0	Residential Buffer	*0.0099*	<0.0003	<0.0005	<0.0005	<0.1	<0.1	***0.029***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1913	23-Jun-2022		6.4 - 10.0	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1914	23-Jun-2022		1.5 - 7.3	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1915	23-Jun-2022		10.4 - 18.6	Residential Buffer	*0.0115*	0.0007	0.0009	0.0195	0.7	0.3	***0.014***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1915	23-Jun-2022	Dup	10.4 - 18.6	Residential Buffer	*0.011*	0.0007	0.0008	0.019	0.7	0.3	***0.013***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1917	12-Jun-2022		8.8 - 16.2	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1918	7-Jun-2022		5.8 - 13.1	N1	-	-	-	-	-	-	-	345	161	**475**	1990	<0.01	966	<5	<0.1	137	**0.022**	7.63	6.1	97.5	1.37	47	**1130**	0.52	2.3	<0.01	<0.05	0.52
BH1918	7-Jun-2022	Dup	5.8 - 13.1	N1	-	-	-	-	-	-	-	576	205	**466**	2130	<0.01	1070	<5	<0.1	136	0.014	7.86	5.5	93.3	1.24	47.4	**1310**	0.54	2.4	<0.01	<0.05	0.54
BH1919	9-Jun-2022		6.7 - 15.5	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1921	9-Jun-2022		8.8 - 18.9	N1	*0.0348*	0.0019	*0.044*	0.002	0.7	0.2	*0.038*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1921	9-Jun-2022	Dup	8.8 - 18.9	N1	*0.0349*	0.0021	*0.0461*	0.0022	0.8	0.2	*0.036*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1922	9-Jun-2022		7.9 - 19.2	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1923	9-Jun-2022		7.6 - 15.9	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1924	2-Jun-2022		14.9 - 19.8	N1	*1.43*	0.0009	<0.0005	*0.0691*	<0.1	<0.1	***0.07***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1925	12-Jun-2022		16.4 - 19.8	N1	0.0022	<0.0003	<0.0005	0.0012	0.2	0.1	0.004	574	-	-	1850	0.05	970	<5	<0.1	-	**0.319**	7.85	-	-	0.55	111	**1100**	1.74	7.7	<0.01	<0.05	1.74
BH1927	7-Jun-2022		12.2 - 22.3	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	350	121	88.6	860	0.11	515	<5	<0.1	51.8	<0.005	7.87	2.7	17.3	0.33	33.9	**530**	<0.02	<0.5	<0.01	<0.05	<0.02
BH1928	12-Jun-2022		6.4 - 16.8	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	0.3	0.005	545	-	-	3400	<0.03	1630	<5	<0.1	-	**0.024**	7.84	-	-	0.98	39.5	**2120**	**62.1**	275	<0.01	<0.10	62.1
BH1929	3-Jun-2022		5.5 - 14.9	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1930	9-Jun-2022		6.4 - 18.3	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1933	2-Jun-2022		8.8 - 17.1	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1934	2-Jun-2022		5.8 - 8.5	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1935	2-Jun-2022		1.5 - 5.2	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1936	3-Jun-2022		5.3 - 14.7	S1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1937	5-Jun-2022		5.3 - 14.7	S1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1939	7-Jun-2022		8.1 - 8.7	S1	0.0009	<0.0003	<0.0005	<0.0005	<0.1	0.2	*0.062*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1939	7-Jun-2022	Dup	8.1 - 8.7	S1	0.0009	<0.0003	<0.0005	<0.0005	<0.1	0.2	*0.059*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1941	3-Jun-2022		7.3 - 11.3	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1942	5-Jun-2022		4.4 - 8.5	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1943	5-Jun-2022		7.3 - 14.0	S1	*0.256*	<0.0003	<0.0005	<0.0005	<0.1	<0.1	*0.013*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1944	15-Jun-2022		5.9 - 7.6	S1	*0.0438*	<0.0003	<0.0005	<0.0005	0.1	<0.1	<0.001	394	-	-	784	0.11	495	<5	<0.1	-	**0.288**	8.13	-	-	0.23	42.6	493	2.64	11.7	**0.04**	0.12	2.68
BH1945	2-Jun-2022		3.7 - 6.4	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1946	2-Jun-2022		4.3 - 6.4	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1947	7-Jun-2022		4.3 - 6.1	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a - Alberta Tier 1 and 2 Soil and Groundater Remediation Guidelines (AEP, 2022a/b) with the freshwater aquatic life pathway eliminated; Tier 2 calculated guidelines for the vapour inhalation pathway (Intrinsik, 2022); For fine-grained or coarse-grained soil, commercial or residential land use; Refer to report text for additional information on guideline selection.
b - Screen interval to be confirmed.
"-" - Not analyzed.
Dup - Duplicate sample.
NG - No Guideline.
Italics - Exceeds guideline for the domestic use aquifer pathway solely.
Highlighted - Exceeds referenced guideline for the ecological soil contact pathway but not the vapour inhalation pathway.
Highlighted - Exceeds referenced guideline for the vapour inahalation pathway.
BOLD - Exceeds most stringent guideline for routine water quality parameters.
Results for all parameters are reported in milligrams per litre (mg/L), unless otherwise specified.
Notes: 2022 analytical data collected by Clifton Engineering Group Inc; 2022 analytical data sourced from Tables 6, 7 and 8 in the report entitled May/June 2022 Monitoring and Sampling Event (Clifton, 2022d).

TABLE 4

SUMMARY OF 2022 GROUNDWATER ANALYTICAL DATA

Well ID	Sample Date	Duplicate	Well Screen (mbgs)	Guideline Referenced	Benzene	Toluene	Ethylbenzene	Xylenes	Petroleum Hydrocarbons F1 (C6-C10)	Petroleum Hydrocarbons F2 (>C10-C16)	1,2-Dichloroethane	Alkalinity (Total as CaCO3)	Calcium (filtered)	Chloride (filtered)	Electrical Conductivity (µS/cm)	Fluoride	Hardness (CaCO3)	Hydroxide (OH)	Iron (filtered)	Magnesium (filtered)	Manganese (filtered)	pH (unitless)	Potassium (filtered)	Sodium (filtered)	SAR (unitless)	Sulphate (filtered)	TDS	Nitrate (as N) (filtered)	Nitrate (as NO3) (filtered)	Nitrite (as N) (filtered)	Nitrite (as NO2) (filtered)	Nitrate + Nitrite - N
Guidelines[a]:																																
Domestic Use Aquifer Pathway					0.005	0.024	0.0016	0.02	2.2	1.1	0.005	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Vapour Inhalation Pathway:																																
N1 Area (Tier 2)					16	NG	NG	NG	540	NG	0.048	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
N2 Area (Tier 2)					12	NG	NG	NG	420	NG	0.038	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
S1 Area (Tier 2)					0.67	NG	NG	52	23	NG	0.2	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
S2 Area (Tier 2)					0.57	NG	NG	44	19	NG	0.17	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Commercial area, Coarse-grained					0.37	NG	NG	26	9.1	17	0.13	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential/Residential Buffer area, Coarse-grained					0.03	45	31	2.2	0.81	1.5	0.01	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential, Fine-grained					0.57	NG	NG	44	19	NG	0.17	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Ecological Soil Contact Pathway:																																
N1, N2, S1, S2 Areas (Residential, most stringent of fine or coarse-grained)					61	59	20	21	6.5	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Commercial area, Coarse-grained					350	200	110	120	11	3.1	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential/Residential Buffer area, Coarse-grained					61	59	20	31	7.1	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential, Fine-grained					100	82	42	21	6.5	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Most stringent guideline for Routine Parameters					NG	NG	NG	NG	NG	NG	NG	NG	NG	120	NG	1.5	NG	NG	0.3	NG	0.02	6.5-8.5	NG	200	NG	429	500	3	NG	0.02	NG	NG
BH1950A	15-Jun-2022		8.5 - 11.1	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1951	2-Jun-2022		2.0 - 4.1	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1952	3-Jun-2022		7.9 - 18.6	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1953	7-Jun-2022		11.3 - 18.6	N1	-	-	-	-	-	-	-	638	229	**354**	2010	<0.01	1090	<5	<0.1	127	**0.096**	7.61	5.4	77.8	1.02	43	**1230**	0.5	2.2	<0.01	<0.05	0.5
BH1954	3-Jun-2022		5.5 - 13.1	S1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	*0.009*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1955A	2-Jun-2022		8.5 - 11.0[b]	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1956	15-Jun-2022		5.8 - 14.6	N2	0.0019	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	349	-	-	1080	0.1	682	<5	<0.1	-	<0.005	8.01	-	-	0.16	49.2	**677**	**15.9**	70.5	<0.01	<0.05	15.9
BH1957	16-Jun-2022		5.8 - 14.1	Commercial area	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1958	16-Jun-2022		5.8 - 14.9	Commercial area	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	469	-	-	1460	0.16	674	<5	<0.1	-	<0.005	7.84	-	-	0.79	36.6	**830**	2.37	10.5	<0.01	<0.05	2.37
BH1961	9-Jun-2022		8.5 - 11.9	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1962	9-Jun-2022		9.8 - 12.5	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1963	9-Jun-2022		5.5 - 11.3	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	279	-	-	551	0.25	287	<5	<0.1	-	**0.131**	8.07	-	-	0.48	18	305	<0.02	<0.5	<0.01	<0.05	<0.02
BH1964	9-Jun-2022		7.6 - 8.5	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1966	3-Jun-2022		7.3 - 16.5	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1967	7-Jun-2022		5.5 - 8.5	N1	*0.117*	0.0082	*0.0341*	0.0015	2.7	0.4	*0.022*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1967	7-Jun-2022	Dup	5.5 - 8.5	N1	*0.111*	0.0079	*0.0324*	0.0013	2.7	0.4	*0.021*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1971	3-Jun-2022		7.3 - 11.0	N1	*0.0076*	0.0008	*0.0168*	<0.0005	1.0	0.1	*0.047*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1971	3-Jun-2022	Dup	7.3 - 11.0	N1	*0.0059*	0.0007	*0.0146*	<0.0005	0.9	0.1	***0.051***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1972	15-Jun-2022		8.2 - 11.0	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1973	3-Jun-2022		1.5 - 6.4	N1	0.0038	0.0013	*0.0094*	0.0011	0.4	0.2	*0.012*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1974	3-Jun-2022		7.6 - 10.4	N1	0.0024	0.0005	<0.0005	<0.0005	0.2	<0.1	*0.016*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1976	2-Jun-2022		9.4 - 14.3	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1977	2-Jun-2022		3.1 - 7.6	S2	*0.0332*	<0.0003	<0.0005	<0.0005	<0.1	<0.1	0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1978	2-Jun-2022		0.9 - 3.0	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1979	5-Jun-2022		2.8 - 6.7	S1	***1.8***	<0.0003	<0.0005	<0.0005	<0.1	<0.1	*0.012*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1980	5-Jun-2022		4.3 - 6.1	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1981	3-Jun-2022		3.0 - 9.1	S1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	*0.027*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1982	15-Jun-2022		1.5 - 7.9	S1	*0.298*	0.0013	*0.0032*	<0.0005	0.3	<0.1	*0.046*	478	-	-	1100	0.15	649	<5	**0.8**	-	**0.678**	8.1	-	-	0.44	47.6	**670**	**3.07**	13.6	0.02	0.08	3.1
BH1982	15-Jun-2022	Dup	1.5 - 7.9	S1	*0.291*	0.0013	*0.0032*	<0.0005	0.3	<0.1	*0.05*	514	-	-	1140	0.15	650	<5	**0.8**	-	**0.681**	8.07	-	-	0.44	47.4	**689**	3	13.3	<0.01	<0.05	3
BH1983A	16-Jun-2022		3.7 - 5.2[b]	Commercial area	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH1984	16-Jun-2022		7.3 - 15.5	Commercial area	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	514	-	-	1180	0.21	600	<5	<0.1	-	**0.299**	7.83	-	-	0.46	37.6	**696**	**6.33**	28	<0.01	<0.05	6.33
BH1985	16-Jun-2022		6.4 - 17.4	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2001	2-Jun-2022		3.4 - 4.9	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2002	5-Jun-2022		1.6 - 3.8	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2003	15-Jun-2022		1.5 - 4.6	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	427	-	-	1570	0.14	604	<5	<0.1	-	**0.327**	8.14	-	-	2.36	56.9	**897**	0.41	1.8	<0.01	<0.05	0.41
BH2003	15-Jun-2022	Dup	1.5 - 4.6	S2	-	-	-	-	-	-	-	403	-	-	1540	0.12	601	<5	<0.1	-	**0.325**	8.18	-	-	2.33	56.8	**882**	0.43	1.9	<0.01	<0.05	0.43
BH2004	5-Jun-2022		4.9 - 6.4	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2005	2-Jun-2022		3.95 - 7	S2	*0.226*	<0.0003	<0.0005	<0.0005	0.2	<0.1	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2005	2-Jun-2022	Dup	3.95 - 7	S2	*0.257*	<0.0003	<0.0005	<0.0005	0.2	<0.1	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2006	2-Jun-2022		2.3 - 4.9	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2007	2-Jun-2022		12.8 - 18.3	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2008	2-Jun-2022		5.2 - 12.8	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH2010	5-Jun-2022		14.0 - 18.9	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	292	-	-	827	0.18	432	<5	<0.1	-	**0.067**	7.97	-	-	0.18	33.6	412	2.8	12.4	**0.17**	0.55	2.97
BH2011	3-Jun-2022		9.4 - 14.0	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a - Alberta Tier 1 and 2 Soil and Groundater Remediation Guidelines (AEP, 2022a/b) with the freshwater aquatic life pathway eliminated; Tier 2 calculated guidelines for the vapour inhalation pathway (Intrinsik, 2022); For fine-grained or coarse-grained soil, commercial or residential land use; Refer to report text for additional information on guideline selection.

b - Screen interval to be confirmed.

"-" - Not analyzed.

Dup - Duplicate sample.

NG - No Guideline.

Italics - Exceeds guideline for the domestic use aquifer pathway solely.

Highlighted - Exceeds referenced guideline for the ecological soil contact pathway but not the vapour inhalation pathway.

Highlighted - Exceeds referenced guideline for the vapour inahalation pathway.

BOLD - Exceeds most stringent guideline for routine water quality parameters.

Results for all parameters are reported in milligrams per litre (mg/L), unless otherwise specified.

Notes: 2022 analytical data collected by Clifton Engineering Group Inc; 2022 analytical data sourced from Tables 6, 7 and 8 in the report entitled May/June 2022 Monitoring and Sampling Event (Clifton, 2022d).

TABLE 4

SUMMARY OF 2022 GROUNDWATER ANALYTICAL DATA

Well ID	Sample Date	Duplicate	Well Screen (mbgs)	Guideline Referenced	Benzene	Toluene	Ethylbenzene	Xylenes	Petroleum Hydrocarbons F1 (C6-C10)	Petroleum Hydrocarbons F2 (>C10-C16)	1,2-Dichloroethane	Alkalinity (Total as CaCO3)	Calcium (filtered)	Chloride (filtered)	Electrical Conductivity (µS/cm)	Fluoride	Hardness (CaCO3)	Hydroxide (OH)	Iron (filtered)	Magnesium (filtered)	Manganese (filtered)	pH (unitless)	Potassium (filtered)	Sodium (filtered)	SAR (unitless)	Sulphate (filtered)	TDS	Nitrate (as N) (filtered)	Nitrate (as NO3) (filtered)	Nitrite (as N) (filtered)	Nitrite (as NO2) (filtered)	Nitrate + Nitrite - N
Guidelines[a]:																																
Domestic Use Aquifer Pathway					0.005	0.024	0.0016	0.02	2.2	1.1	0.005	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Vapour Inhalation Pathway:																																
N1 Area (Tier 2)					16	NG	NG	NG	540	NG	0.048	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
N2 Area (Tier 2)					12	NG	NG	NG	420	NG	0.038	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
S1 Area (Tier 2)					0.67	NG	NG	52	23	NG	0.2	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
S2 Area (Tier 2)					0.57	NG	NG	44	19	NG	0.17	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Commercial area, Coarse-grained					0.37	NG	NG	26	9.1	17	0.13	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential/Residential Buffer area, Coarse-grained					0.03	45	31	2.2	0.81	1.5	0.01	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential, Fine-grained					0.57	NG	NG	44	19	NG	0.17	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Ecological Soil Contact Pathway:																																
N1, N2, S1, S2 Areas (Residential, most stringent of fine or coarse-grained)					61	59	20	21	6.5	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Commercial area, Coarse-grained					350	200	110	120	11	3.1	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential/Residential Buffer area, Coarse-grained					61	59	20	31	7.1	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Residential, Fine-grained					100	82	42	21	6.5	1.8	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG	NG
Most stringent guideline for Routine Parameters					NG	NG	NG	NG	NG	NG	NG	NG	NG	120	NG	1.5	NG	NG	0.3	NG	0.02	6.5-8.5	NG	200	NG	429	500	3	NG	0.02	NG	NG
BH2012	5-Jun-2022		13.4 - 18.3	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	395	-	-	1750	0.11	853	<5	<0.1	-	**0.153**	7.96	-	-	0.62	50.5	**898**	**14.6**	64.6	<0.01	<0.05	14.6
BH3001A	2-Jun-2022		1.5 - 3.05	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3001B	2-Jun-2022		3.7 - 4.3	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3001C	2-Jun-2022		5.2 - 6.1	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3002A	2-Jun-2022		1.8 - 3.8	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3002B	2-Jun-2022		6.1 - 7.6	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3003A	2-Jun-2022		2.18 - 2.9	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH3003B	2-Jun-2022		6.9 - 7.9	Residential	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4002	15-Jun-2022		11.7 - 13.2	Residential Buffer	*0.0073*	*0.0838*	<0.0005	*1.5*	**1.3**	0.3	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4003A	15-Jun-2022		10.5 - 12	Commercial area	***2.04***	0.0041	<0.0005	*0.0789*	0.9	0.2	***0.255***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4003B	15-Jun-2022		14.9 - 16.4	Commercial area	*0.0164*	<0.0003	<0.0005	<0.0005	<0.1	0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4004A	16-Jun-2022		11.5 - 13	Commercial area	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4004B	16-Jun-2022		14.5 - 16	Commercial area	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4004B	16-Jun-2022	Dup	14.5 - 16	Commercial area	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4005	16-Jun-2022		10.7 - 12.2	Commercial area	*0.0129*	0.0006	*0.0109*	<0.0005	0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4006	16-Jun-2022		10.7 - 12.2	Residential Buffer	***0.408***	0.0033	<0.0005	*0.0573*	0.7	0.1	***0.025***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4007	16-Jun-2022		10.6 - 12.1	Commercial area	***0.988***	0.001	<0.0005	0.0123	0.5	0.2	*0.028*	612	-	-	2610	0.22	1210	<5	<0.1	-	**0.421**	7.77	-	-	1.12	28	**1440**	**17.3**	76.5	**3.41**	11.2	20.7
BH4008A	15-Jun-2022		10.5 - 12	Residential Buffer	<0.0005	0.0103	<0.0005	*0.246*	0.5	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4008B	15-Jun-2022		15.2 - 16.7	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4009A	15-Jun-2022		10.5 - 12	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH4009B	15-Jun-2022		14.5 - 16	Residential Buffer	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5001	7-Jun-2022		1.5 - 3.05	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH5002	7-Jun-2022		1.5 - 3.05	S2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH510A	12-Jun-2022		11.3 - 17.4	N1	*0.327*	0.014	*0.406*	*0.049*	0.7	0.2	*0.022*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH510A	12-Jun-2022		11.3 - 17.4	N1	*0.276*	0.012	*0.365*	*0.051*	0.8	0.4	*0.019*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6001	9-Jun-2022		9.75 - 12.8	N1	*0.0119*	0.005	*0.0172*	0.0019	0.2	0.1	*0.026*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6002	9-Jun-2022		10.65 - 13.7	N1	*0.0548*	*0.37*	*0.11*	*2.51*	0.2	0.5	*0.034*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6003	9-Jun-2022		9.75 - 12.8	N1	*0.0101*	0.0204	*0.0237*	*0.258*	1.4	1	*0.011*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6004	7-Jun-2022		9.15 - 12.2	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	*0.012*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6005	7-Jun-2022		9.15 - 12.2	N1	*1.46*	*1.13*	*0.224*	*1.88*	1.7	0.6	*0.027*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH6006	15-Jun-2022		12.2 - 15.2	N1	<0.0005	<0.0003	<0.0005	<0.0005	0.2	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH732	3-Jun-2022		4.3 - 14.9	N2	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH912	2-Jun-2022		1.5 - 6.1	S1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-1	15-Jun-2022		11.7 - 14.63	N1	*1.18*	0.0066	*0.0472*	0.0051	0.2	<0.1	*0.038*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-1	15-Jun-2022	Dup	11.7 - 14.63	N1	*1.11*	0.0065	*0.0472*	0.0052	0.2	<0.1	*0.04*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-2	15-Jun-2022		8.8 - 13.41	N1	*0.0353*	0.0031	*0.0346*	0.0078	0.7	<0.1	*0.006*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-3	7-Jun-2022		8.2 - 12.8	N1	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-4	16-Jun-2022		10.3 - 13.72	N1	*0.151*	0.0091	*0.301*	*0.543*	1.6	*1.2*	*0.01*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-5	12-Jun-2022		10.6 - 13.72	N1	*3.94*	*8.94*	*0.932*	*5.3*	*5.0*	0.8	***0.059***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-5	12-Jun-2022	Dup	10.6 - 13.72	N1	*3.99*	*9.1*	*0.925*	*5.44*	*4.2*	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-6	15-Jun-2022		10.6 - 13.11	N1	*0.412*	*0.352*	*1.07*	*3.3*	***7.7***	0.7	*0.043*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EX-7	9-Jun-2022		11.5 - 15.85	N1	*0.769*	*0.0729*	*0.551*	*0.969*	1.8	*1.2*	***0.079***	468	-	-	1780	0.22	905	<5	<0.1	-	**0.807**	7.67	-	-	0.7	5.3	**940**	<0.02	<0.5	<0.01	<0.05	<0.02

a - Alberta Tier 1 and 2 Soil and Groundater Remediation Guidelines (AEP, 2022a/b) with the freshwater aquatic life pathway eliminated; Tier 2 calculated guidelines for the vapour inhalation pathway (Intrinsik, 2022); For fine-grained or coarse-grained soil, commercial or residential land use; Refer to report text for additional information on guideline selection.

b - Screen interval to be confirmed.

"-" - Not analyzed.

Dup - Duplicate sample.

NG - No Guideline.

Italics - Exceeds guideline for the domestic use aquifer pathway solely.

Highlighted - Exceeds referenced guideline for the ecological soil contact pathway but not the vapour inhalation pathway.

Highlighted - Exceeds referenced guideline for the vapour inhalation pathway.

BOLD - Exceeds most stringent guideline for routine water quality parameters.

Results for all parameters are reported in milligrams per litre (mg/L), unless otherwise specified.

Notes: 2022 analytical data collected by Clifton Engineering Group Inc; 2022 analytical data sourced from Tables 6, 7 and 8 in the report entitled May/June 2022 Monitoring and Sampling Event (Clifton, 2022d).

TABLE 5

SUMMARY OF TREND ANALYSIS FOR BENZENE AND 1,2-DICHLOROETHANE

Well ID	Analyte	Number of Events	Average	Standard Deviation	M-K Test Value (S)	Tabulated p-value	Approx. P-value	Critical Value	Confidence In Trend	Coefficient of Variation	Trend
BH1904	Benzene	16	0.198	0.0741	6	0.412	N/A	N/A	59%	0.37	No Trend
BH1905	Benzene	15	0.0516	0.0278	-61	0.001	N/A	N/A	100%	0.54	Decreasing
	1,2-DCA	15	0.0517	0.0294	-66	0	N/A	N/A	100%	0.57	Decreasing
BH1906	Benzene	17	2.054	0.622	76	0.001	N/A	N/A	100%	0.30	**Increasing**
	1,2-DCA	17	0.0351	0.011	-32	0.102	N/A	N/A	90%	0.31	Stable
BH1907	Benzene	22	0.273	0.37	73	0.021	N/A	N/A	98%	1.36	**Increasing**
	1,2-DCA	19	0.00704	0.00774	52	0.034	N/A	N/A	97%	1.10	**Increasing**
BH1908	Benzene	17	0.00363	0.00481	-35	0.088	N/A	N/A	91%	1.33	Probably Decreasing
	1,2-DCA	10	0.00105	2.9156E-4	-4	0.364	N/A	N/A	64%	0.28	Stable
BH1910	Benzene	16	0.342	0.191	-1	0.518	N/A	N/A	48%	0.56	Stable
	1,2-DCA	15	0.0337	0.00843	-12	0.279	N/A	N/A	72%	0.25	Stable
BH1911	1,2-DCA	7	0.0211	0.0162	-13	0.035	N/A	N/A	97%	0.77	Decreasing
BH1912	Benzene	17	0.321	0.326	-100	0	N/A	N/A	100%	1.02	Decreasing
	1,2-DCA	12	0.0303	0.0125	-30	0.022	N/A	N/A	98%	0.41	Decreasing
BH1915	Benzene	16	0.289	0.383	-106	0	N/A	N/A	100%	1.33	Decreasing
	1,2-DCA	11	0.0214	0.0148	-26	0.02	N/A	N/A	98%	0.69	Decreasing
BH1921	Benzene	18	0.124	0.144	-63	0.009	N/A	N/A	99%	1.16	Decreasing
	1,2-DCA	13	0.0617	0.0267	-40	0.007	N/A	N/A	99%	0.43	Decreasing
BH1924	Benzene	23	1.946	1.321	-85	N/A	0.0131	-1.645	99%	0.68	Decreasing
	1,2-DCA	22	0.118	0.0603	-80	0.011	N/A	N/A	99%	0.51	Decreasing
BH1925	Benzene	17	0.856	1.076	-78	0	N/A	N/A	100%	1.26	Decreasing
	1,2-DCA	17	0.0318	0.0212	-57	0.011	N/A	N/A	99%	0.67	Decreasing
BH1928	1,2-DCA	23	0.204	0.116	-28	N/A	0.237	-1.645	76%	0.57	Decreasing
BH1939	Benzene	30	4.381	3.504	-353	N/A	1.65E-10	-1.645	100%	0.80	Decreasing
	1,2-DCA	12	0.0879	0.04	-44	0.001	N/A	N/A	100%	0.46	Decreasing
BH1943	Benzene	11	1.216	0.78	-10	0.223	N/A	N/A	78%	0.64	Stable
	1,2-DCA	6	0.00933	0.00674	3	0.36	N/A	N/A	64%	0.72	No Trend
BH1944	Benzene	17	0.0164	0.018	101	0	N/A	N/A	100%	1.10	**Increasing**
BH1954	1,2-DCA	10	0.00301	0.00322	25	0.014	N/A	N/A	99%	1.07	**Increasing**
BH1956	Benzene	21	0.509	0.944	-155	0	N/A	N/A	100%	1.85	Decreasing
BH1967	Benzene	11	0.135	0.0815	-35	0.003	N/A	N/A	100%	0.60	Decreasing
	1,2-DCA	16	0.0296	0.00912	-70	0.001	N/A	N/A	100%	0.31	Decreasing
BH1971	Benzene	11	0.0225	0.0199	-45	0	N/A	N/A	100%	0.88	Decreasing
	1,2-DCA	16	0.111	0.0587	-41	0.039	N/A	N/A	96%	0.53	Decreasing
BH1973	1,2-DCA	4	0.0178	0.00911	-2	0.375	N/A	N/A	63%	0.51	Stable
BH1974	Benzene	11	0.00392	0.00516	8	0.271	N/A	N/A	73%	1.32	No Trend
	1,2-DCA	16	0.0492	0.0266	-60	0.003	N/A	N/A	100%	0.54	Decreasing
BH1977	Benzene	12	0.0227	0.0273	43	0.002	N/A	N/A	100%	1.20	**Increasing**
	1,2-DCA	14	0.0137	0.0421	47	0.005	N/A	N/A	100%	3.07	**Increasing**
BH1979	Benzene	8	1.48	0.265	26	0	N/A	N/A	100%	0.18	**Increasing**
	1,2-DCA	7	0.0068	0.00438	19	0.001	N/A	N/A	100%	0.64	**Increasing**
BH1981	1,2-DCA	16	0.0202	0.00831	13	0.313	N/A	N/A	69%	0.41	No Trend
BH1982	Benzene	30	5.075	4.022	-305	N/A	2.92E-08	-1.645	100%	0.79	Decreasing
	1,2-DCA	30	0.0961	0.0477	-236	N/A	1.37E-05	-1.645	100%	0.50	Decreasing
BH2001	1,2-DCA	12	0.0017	5.5575E-4	43	0.002	N/A	N/A	100%	0.33	**Increasing**
BH2005	Benzene	9	0.0594	0.0852	15	0.09	N/A	N/A	91%	1.43	**Probably Increasing**
	1,2-DCA	12	0.00285	0.00117	-10	0.273	N/A	N/A	73%	0.41	Stable
BH2006	1,2-DCA	12	0.00315	0.00215	27	0.043	N/A	N/A	96%	0.68	**Increasing**
BH4002	Benzene	6	0.00223	0.00253	1	0.5	N/A	N/A	50%	1.13	No Trend
BH4003a	Benzene	6	1.595	0.891	11	0.028	N/A	N/A	97%	0.56	**Increasing**
	1,2-DCA	6	0.149	0.0716	15	0.001	N/A	N/A	100%	0.48	**Increasing**
BH4003b	Benzene	6	0.00442	0.00622	8	0.068	N/A	N/A	93%	1.41	**Probably Increasing**
BH4005	Benzene	6	0.022	0.00945	-11	0.028	N/A	N/A	97%	0.43	Decreasing
BH4006	Benzene	6	0.486	0.207	2	0.36	N/A	N/A	64%	0.43	No Trend
	1,2-DCA	6	0.0273	0.00898	-6	0.136	N/A	N/A	86%	0.33	Stable
BH4007	Benzene	6	0.905	0.244	8	0.068	N/A	N/A	93%	0.27	**Probably Increasing**
	1,2-DCA	6	0.0337	0.00606	-3	0.36	N/A	N/A	64%	0.18	Stable
BH4009a	1,2-DCA	5	0.00504	7.0922E-4	-3	0.408	N/A	N/A	59%	0.14	Stable
BH4009b	1,2-DCA	5	0.00302	0.00123	-1	0.592	N/A	N/A	41%	0.41	Stable
BH510a	Benzene	17	1.587	1.577	-102	0	N/A	N/A	100%	0.99	Decreasing
	1,2-DCA	15	0.0372	0.0162	-34	0.046	N/A	N/A	95%	0.44	Decreasing
EX-1	Benzene	18	4.643	4.857	-80	0.001	N/A	N/A	100%	1.05	Decreasing
	1,2-DCA	18	0.0666	0.0592	-80	0.001	N/A	N/A	100%	0.89	Decreasing
EX-2	Benzene	16	0.815	0.76	-94	0	N/A	N/A	100%	0.93	Decreasing
	1,2-DCA	15	0.037	0.0167	-41	0.023	N/A	N/A	98%	0.45	Decreasing
EX-4	Benzene	17	1.239	1.249	-104	0	N/A	N/A	100%	1.01	Decreasing
	1,2-DCA	16	0.0203	0.0111	-86	0	N/A	N/A	100%	0.55	Decreasing
EX-5	Benzene	17	3.598	1.531	11	0.358	N/A	N/A	64%	0.43	No Trend
	1,2-DCA	16	0.0996	0.0483	-1	0.518	N/A	N/A	48%	0.48	Stable
EX-6	Benzene	17	0.441	0.22	-19	0.245	N/A	N/A	76%	0.50	Stable
	1,2-DCA	16	0.0387	0.0126	-38	0.048	N/A	N/A	95%	0.33	Decreasing
EX-7	Benzene	17	2.036	1.008	-61	0.007	N/A	N/A	99%	0.50	Decreasing
	1,2-DCA	16	0.163	0.0816	-21	0.199	N/A	N/A	80%	0.50	Stable

N/A - Not applicable
BOLD - Increasing or Probably Increasing Trends

TABLE 6

DUAL PHASE VAPOUR EXTRACTION SYSTEM PERFORMANCE DATA

FORMER SEARS RETAIL SITE AND ADJACENT HOUNSFIELD HEIGHTS COMMUNITY

DATE	BLOWER RUN TIME*	VAPOUR CONCENTRATION		EXHAUST VELOCITY	EXHAUST PIPE SIZE	TEMPERATURE OF BLOWER	ESTIMATED EXTRACTION RATE	CUMMULATIVE VOLUME EXTRACTED	CUMMULATIVE GROUNDWATER EXTRACTED		HVE UNIT OPERATING STATUS		EXTRACTION WELLS CONNECTED TO SYSTEM
year-month-day	hrs	PPM	% LEL	m/s	inches	°C	L/day	L	USG	L	UPON ARRIVAL	AT DEPARTURE	
2021-12-30	0	170	1.36	1.75	4	101	NA	0	137557	520709.9	Yes	Yes	EX-4, EX-5, EX-6, EX-7
2022-01-12	316	160	1.28	7	4	117	2.5	32.9	138654.7	524865.1	Yes	NR	EX-6, EX-7, EX-4, EX-5, EX-2, EX-3
2022-01-20	185	168	1.344	6.3	4	124.6	2.3	51	146330.7	553922.0	Yes	NR	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-01-26	141	143	1.144	4	4	120.8	1.3	59	148020.6	560318.9	No	Yes	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-02-01	145	150	1.2	NR	4	109.6	NC	NC	149421.3	565621.1	Yes	Yes	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-02-10	202	129	1.032	7.6	4	113.2	2.2	78	152408.1	576927.4	No	Yes	EX-1, EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-02-15	NR	NR	NR	4.89	4	NR	NC	NC	NR	NR	Yes	Yes	NR
2022-02-17	168	160	1.28	4.89	4	121.4	1.7	90	153825	582291.0	Yes	Yes	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-02-23	68	NR	NR	NR	4	108	NC	NC	NR	NR	No	No	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-02-24	1	55	0.44	6.1	4	106	0.8	90	154953	586560.9	No	Yes	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-03-03	168	123	0.984	6.1	4	100.3	1.8	103	156350.8	591852.2	Yes	Yes	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-03-11	170	109	0.872	7.93	4	115.8	1.9	116	161175.8	610116.8	Yes	Yes	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-03-16	123	25	0.2	5.43	4	123.8	0.3	118	NR	NR	Yes	Yes	NR
2022-03-24	105	NR	NR	NR	4	NR	NC	NC	163918.9	620500.5	No	NR	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-03-28	20	120	0.96	6.63	4	108.2	1.8	120	164667.8	623335.4	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-04-07	237	110	0.88	2.85	4	124.3	0.7	127	169697.3	642374.2	Yes	Yes	NR
2022-04-14	172	116	0.928	3	4	126.3	0.8	133	173762.4	657762.2	Yes	Yes	NR
2022-04-21	163	180	1.44	4.79	4	115.3	1.9	146	176396.8	667734.5	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-04-29	193	260	2.08	3.99	4	84.4	2.5	166	NR	NR	Yes	Yes	EX-2, EX-3, EX-4, EX-5, EX-6, EX-7
2022-05-04	117	270	2.16	4.8	4	130.1	2.8	180	180189.3	682090.7	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-05-17	313	220	1.76	4.1	4	107.4	2.1	207	180845	684572.8	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-05-26	215	235	1.88	3.76	4	114	2	225	181026.6	685260.2	Yes	NR	EX-1, EX-4, EX-5, EX-6, EX-7
2022-06-01	28	NR	NR	NR	4	NR	NC	NC	181102.6	685547.9	NR	No	NR
2022-07-12	116	30	0.24	5.1	4	125.5	0.3	226	181493.5	687027.6	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-07-13	22	75	0.6	1.4	4	128.2	0.2	226	182137.5	689465.4	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-07-21	94	0	0	3.3	4	84.5	0	226	NR	NR	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-07-22	12	NR	NR	NR	4	122	NC	NC	184316	697712.0	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-07-29	161	95	0.76	5.6	4	129	1.2	234	187319	709079.5	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-08-02	90	NR	NR	NR	4	77	NC	NC	188896	715049.1	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-08-03	8	0	0	4.5	4	91	0	234	189077	715734.3	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-08-11	194	NR	NR	NR	4	120	NC	NC	193207.7	731370.7	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-08-26	6	40	0.32	NR	4	98	NC	NC	193264	731583.8	No	Yes	NR
2022-09-01	127	60	0.48	4.73	4	55	0.8	238	195872.5	741458.1	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-09-08	165	95	0.76	0.72	4	117	0.2	239	198650.7	751974.7	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-09-16	8	25	0.2	6.7	4	125.2	0.4	239	198797.5	752530.4	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-09-22	138	280	2.24	NR	4	114.3	NC	NC	201198.7	761619.9	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-09-30	73	80	0.64	5.82	4	75	1.2	243	202927	768162.3	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-10-06	122	310	2.48	4.76	4	72.3	3.7	262	206651.7	782261.8	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-10-13	0[b]	220	1.76	4.77	4	105.2	2.4	262	199466.5	755062.8	No	NR	EX-1, EX-4, EX-5, EX-6, EX-7
2022-11-17	0[c]	1	0.008	3.8	4	112.9	0	262	198798	752532.3	No	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-11-25	193	160	1.28	6.5	4	118.7	2.3	280	202068.7	764913.2	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-12-01	146	290	2.32	5.2	4	120.9	3.4	301	204333.8	773487.6	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-12-02	19	270	2.16	5.16	4	85	3.4	304	204777.9	775168.7	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-12-07	119	0	0	4.3	4	116.7	0	304	207548	785654.6	Yes	Yes	EX-1, EX-4, EX-5, EX-6, EX-7
2022-12-28	46	160	1.28	4.2	4	112	1.5	307	208202	788130.3	No	No	EX-1, EX-4, EX-5, EX-6, EX-7

a - The first recorded instance of this blower being used in 2022 was compared to the last recorded time of this blower being used in 2021.

b - Timer malfunction.

c - System non-operational due to maintenance.

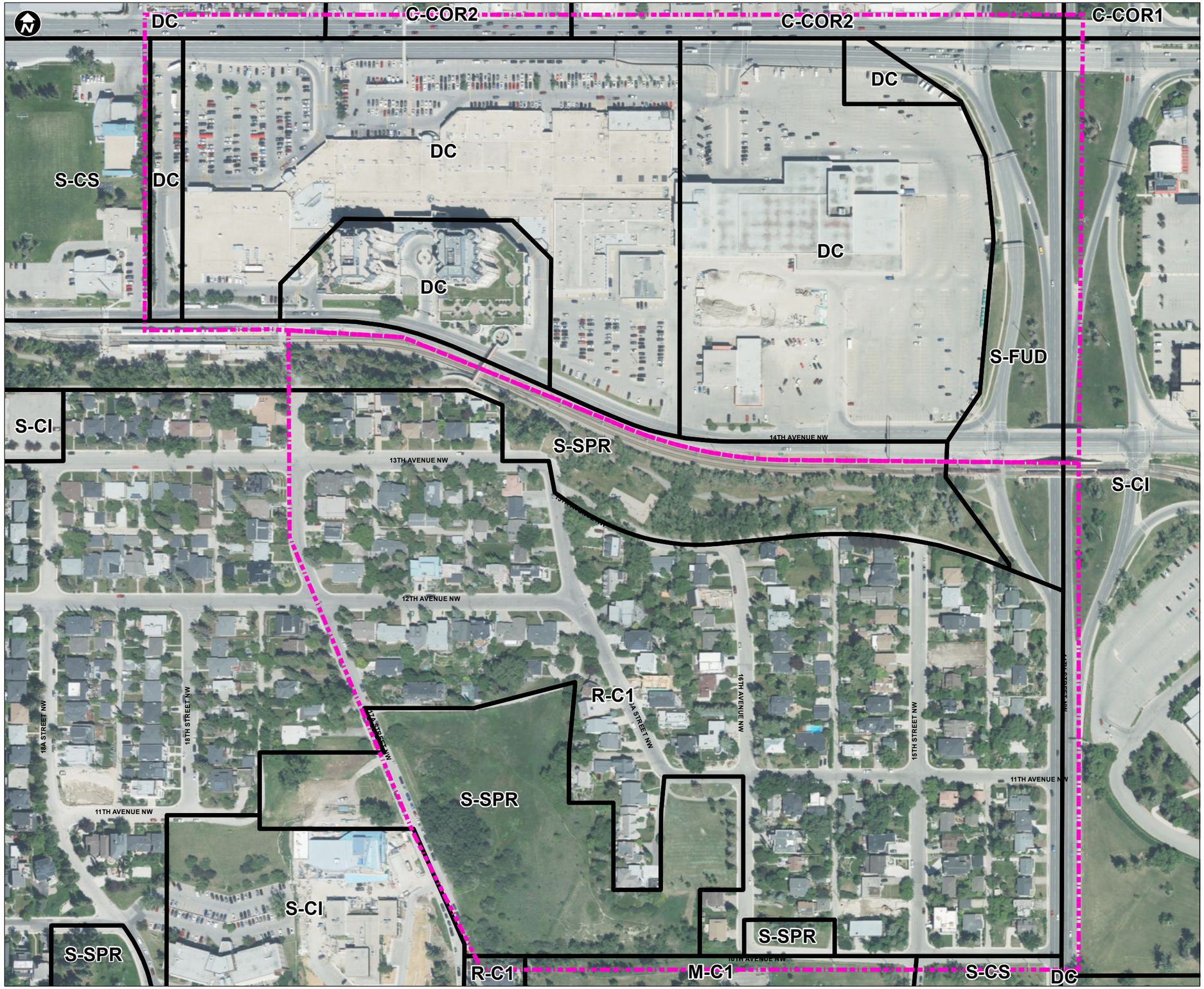
NR - Not recorded.

NA - Not applicable.

NC - Not calculable.

* - Blower run time reflects the operational time of one blower between monitoring events.

NOTE: Vapour concentrations were measured in ppm but also reported in % LEL.



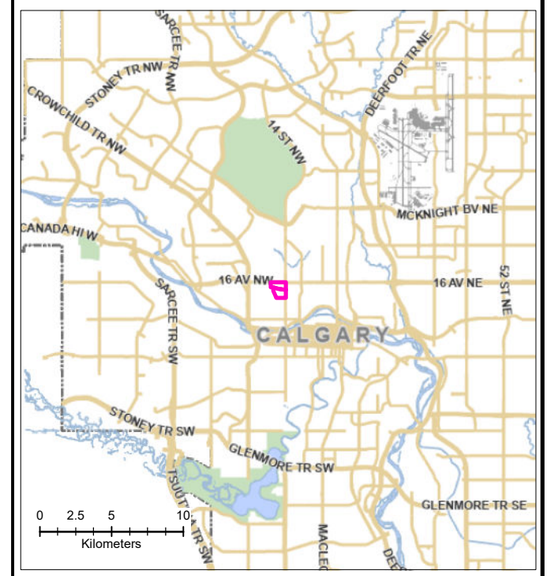
Document Path: C:\Z_Drive\10-12832\MXD\GW_Report\20231\12832_SiteLocation_March2023.mxd Coordinate System: NAD83 UTM 114 Longitude Meter Province of Alberta Canada

LEGEND

- Site Boundary
- City Of Calgary Zoning

Land Use Districts:

R-C1 (Residential - Contextual One Dwelling)
M-C1 (Multi-Residential - Contextual Low Profile)
M-CG (Multi-Residential - Contextual Ground Oriented)
C-COR1 (Commercial - Corridor 1)
C-COR2 (Commercial - Corridor 2)
S-SPR (Special Purpose - School, Park and Community Reserve)
S-CI (Special Purpose - Community Institution)
S-CS (Special Purpose - Community Service)
S-FUD (Special Purpose - Future Urban Development)
DC (Direct Control District)



0 50 100 200
Metres

Notes:..
- The ArcGIS Map Service based on City of Calgary Basemap (WMASP).
- The orthophoto based on City of Calgary Basemap (WMASP), July-August 2022.
- Land Use District data based on City of Calgary's Open Data Portal, City Online, Base Map Data service. Downloaded March 2023.

Site Location Map

Hounsfield Heights And Lion's Park
1620-14th Ave NW, Calgary, Alberta

	Drawn By: JDC	Ref. No.: 10-12832
	Reviewed By: MP	Date: 26-Mar-2023
PARSONS		Drawing No.: 1

LEGEND

- Grade Elevation Contour (masl) (1m
- Site Boundary

0 25 50 100
Metres

Notes:
- The orthophoto based on City of Calgary Basemap (WMASP), July-August 2022.
- Elevation data based on City of Calgary's Open Data Portal, City Online, Base Map Data service. Downloaded January 2023.

Site Topography

Hounsfield Heights And Lion's Park
1620-14th Ave NW, Calgary, Alberta

	Drawn By: JDC	Ref. No.: 10-12832
	Reviewed By: MP	Date: 29-Mar-2023
PARSONS		Drawing No.: 2

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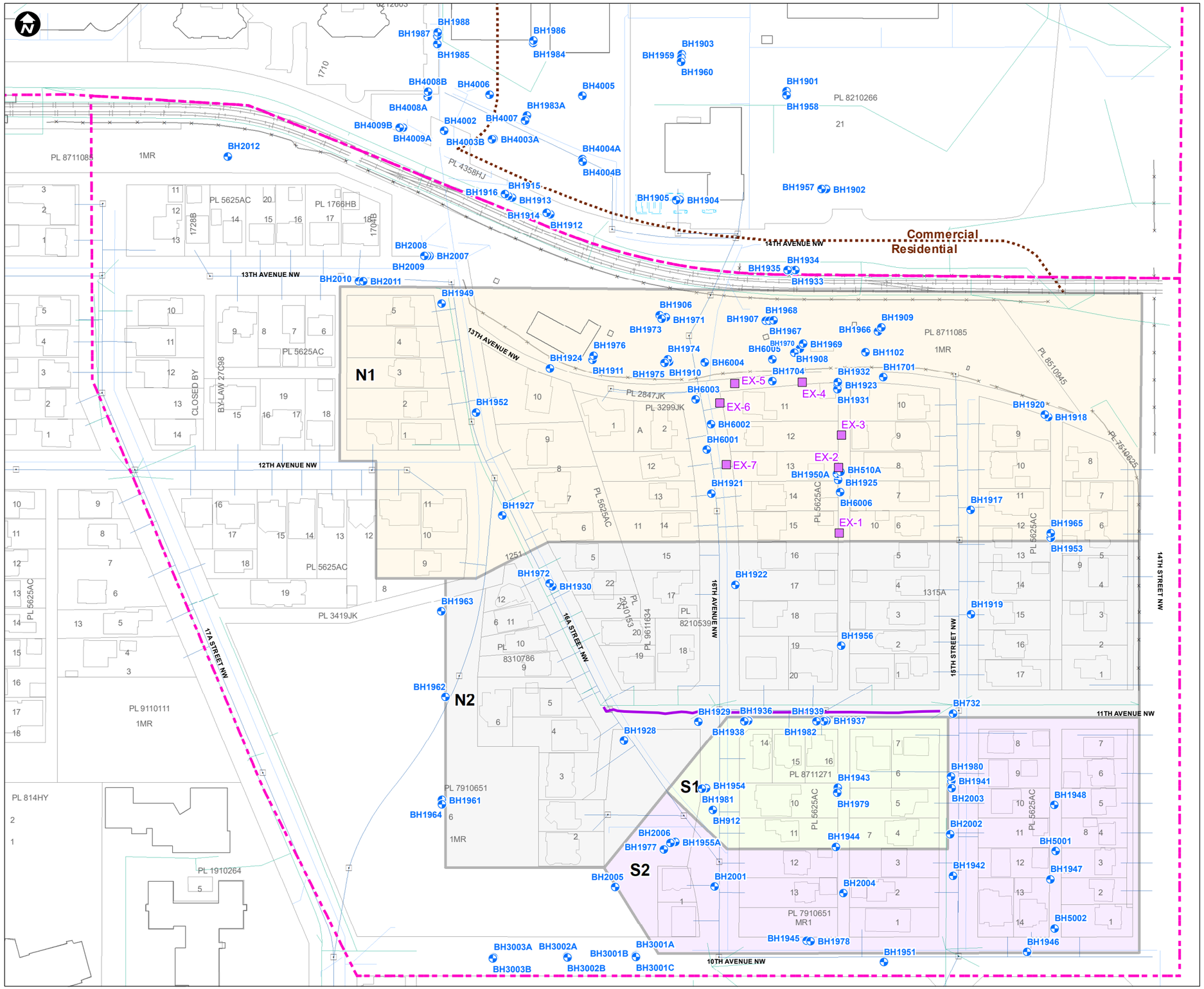

LEGEND

- Monitoring Well
- Extraction Well
- Former Facility/Feature
- LRT Tracks
- Water
- Storm Sewer
- Sanitary Sewer
- Permeable Reactive Barrier (Dec. 2019)
- Residential/parkland 30 m buffer
- Site Boundary

N1/N2/S1/S2 - Calculated Tier 2 Groundwater Guidelines, Vapour Inhalation Pathway

0 25 50 100
Metres

Notes:
- Well locations, on-site features provided as AutoCAD file by Clifton Engineering Group Inc..
- Property parcel and utility data based on City of Calgary's Open Data Portal, City Online, Geospatial Data service. Downloaded March 2023; note only City utilities are shown.
- Building based on City of Calgary's Open Data Portal, City Online, Base Map Data service. Downloaded January 2023.

Site Plan
Groundwater Monitoring and Extraction Well Locations

Hounsfield Heights And Lion's Park
1620-14th Ave NW, Calgary, Alberta

	Drawn By: JDC	Ref. No.: 10-12832
	Reviewed By: MP	Date: 31-Mar-2023
PARSONS		Drawing No.: 3

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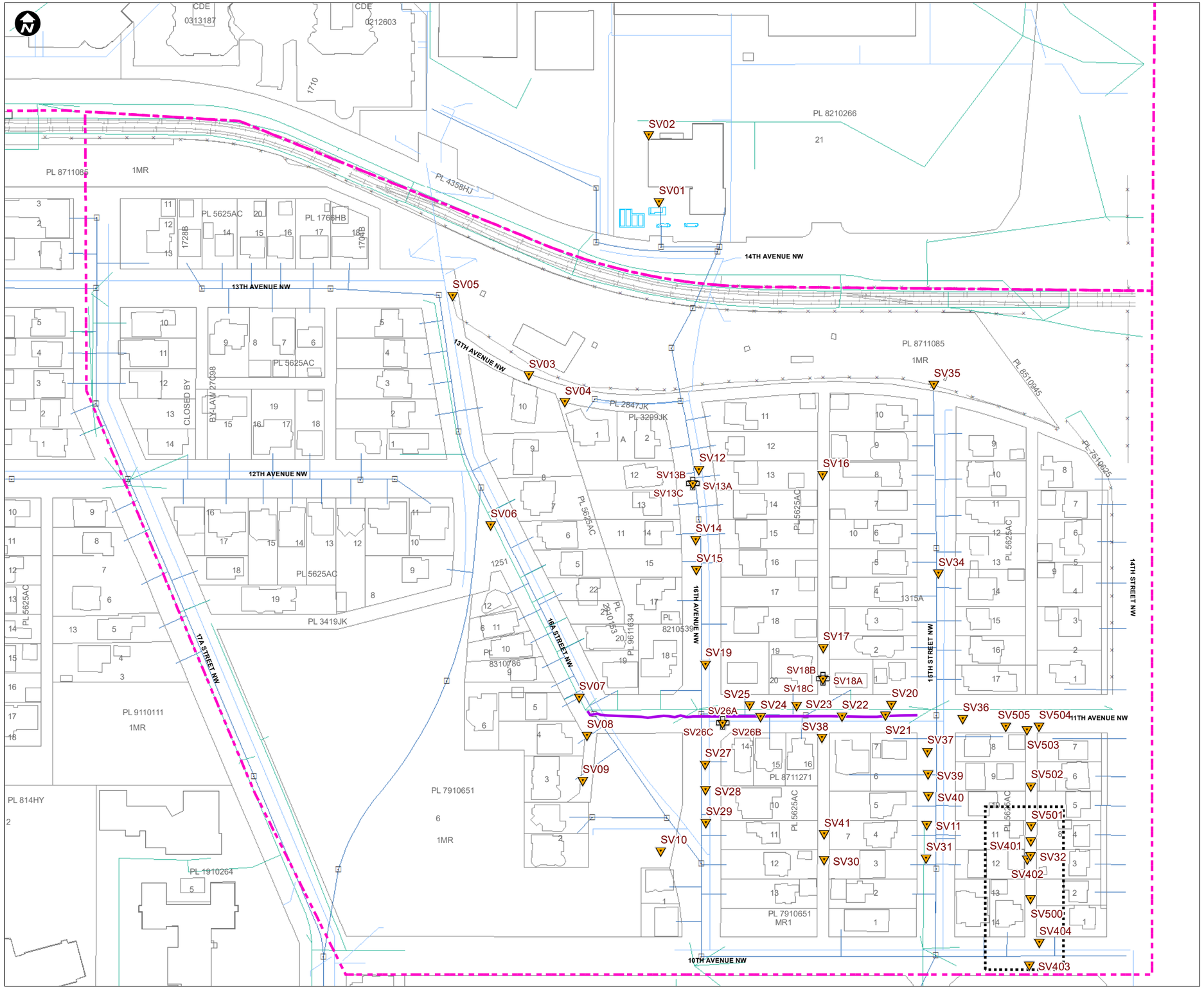

LEGEND

- Soil Vapour Monitoring Well
- Soil Vapour Monitoring Well (Nested)
- Former Facility/Feature
- LRT Tracks
- Water
- Storm Sewer
- Sanitary Sewer
- Permeable Reactive Barrier (Dec. 2019)
- Risk Management & Contingency (RM&C) Program
- Site Boundary

0 25 50 100
Metres

Notes:
- Well locations, site features provided as AutoCAD file by Clifton Engineering Group Inc..
- Property parcel and utility data based on City of Calgary's Open Data Portal, City Online, Geospatial Data service. Downloaded March 2023 ; note only City utilities are shown.
- Building based on City of Calgary's Open Data Portal, City Online, Base Map Data service. Downloaded January 2023.
- Soil vapour well locations on private property are not shown.

Site Plan
Soil Vapour Sample Locations

Hounsfield Heights And Lion's Park
1620-14th Ave NW, Calgary, Alberta

	Drawn By: JDC	Ref. No.: 10-12832
	Reviewed By: MP	Date: 30-Mar-2023
PARSONS		Drawing No.: 4

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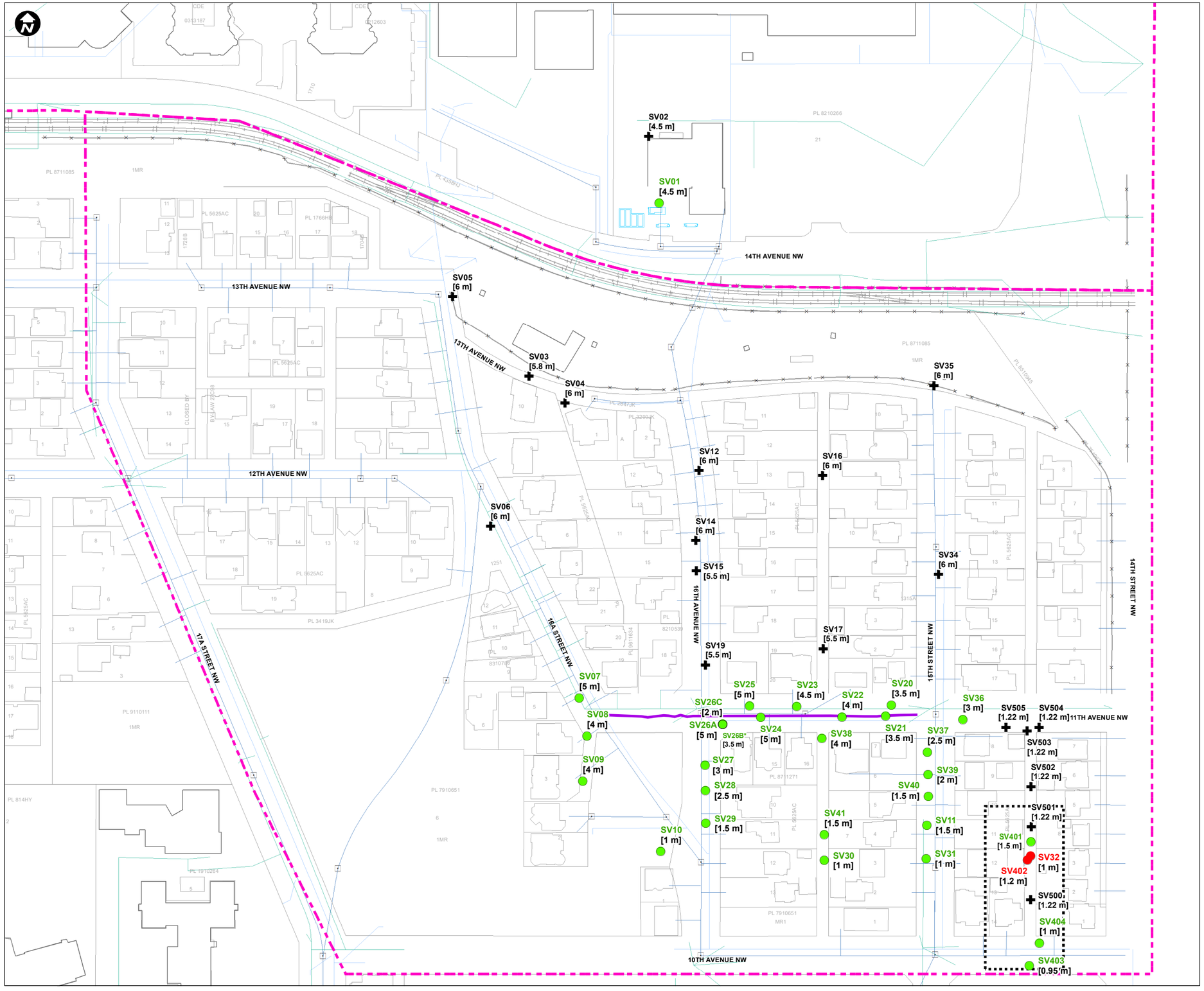

LEGEND

- One or more analytes exceeds referenced guidelines on at least one sampling date in 2022
- All analytes less than referenced guidelines for all 2022 sampling dates
- Soil vapour monitoring well not sampled in 2022
- Former Facility/Feature
- LRT Tracks
- Water
- Storm Sewer
- Sanitary Sewer
- Permeable Reactive Barrier (Dec. 2019)
- Risk Management & Contingency (RM&C) Program
- Site Boundary

[1.2 m] Total well depth (mbgs, unless otherwise specified)

SV26B* Data from February 11, 2022 appears to be anomalous and is inconsistent with prior and subsequent (October 1, 2022) sampling events; additional sampling is recommended.

0 25 50 100
Metres

Notes:
- Well locations, site features provided as AutoCAD file by Clifton Engineering Group Inc..
- Property parcel and utility data based on City of Calgary's Open Data Portal, City Online, Geospatial Data service. Downloaded March 2023; note only City utilities are shown.
- Building based on City of Calgary's Open Data Portal, City Online, Base Map Data service. Downloaded January 2023.
- Soil vapour well locations on private property are not shown.

Summary of Soil Vapour Analytical Results (2022 Sampling Events)

Hounsfield Heights And Lion's Park
1620-14th Ave NW, Calgary, Alberta

	Drawn By: JDC	Ref. No.: 10-12832
	Reviewed By: MP	Date: 31-Mar-2023
PARSONS		Drawing No.: 5

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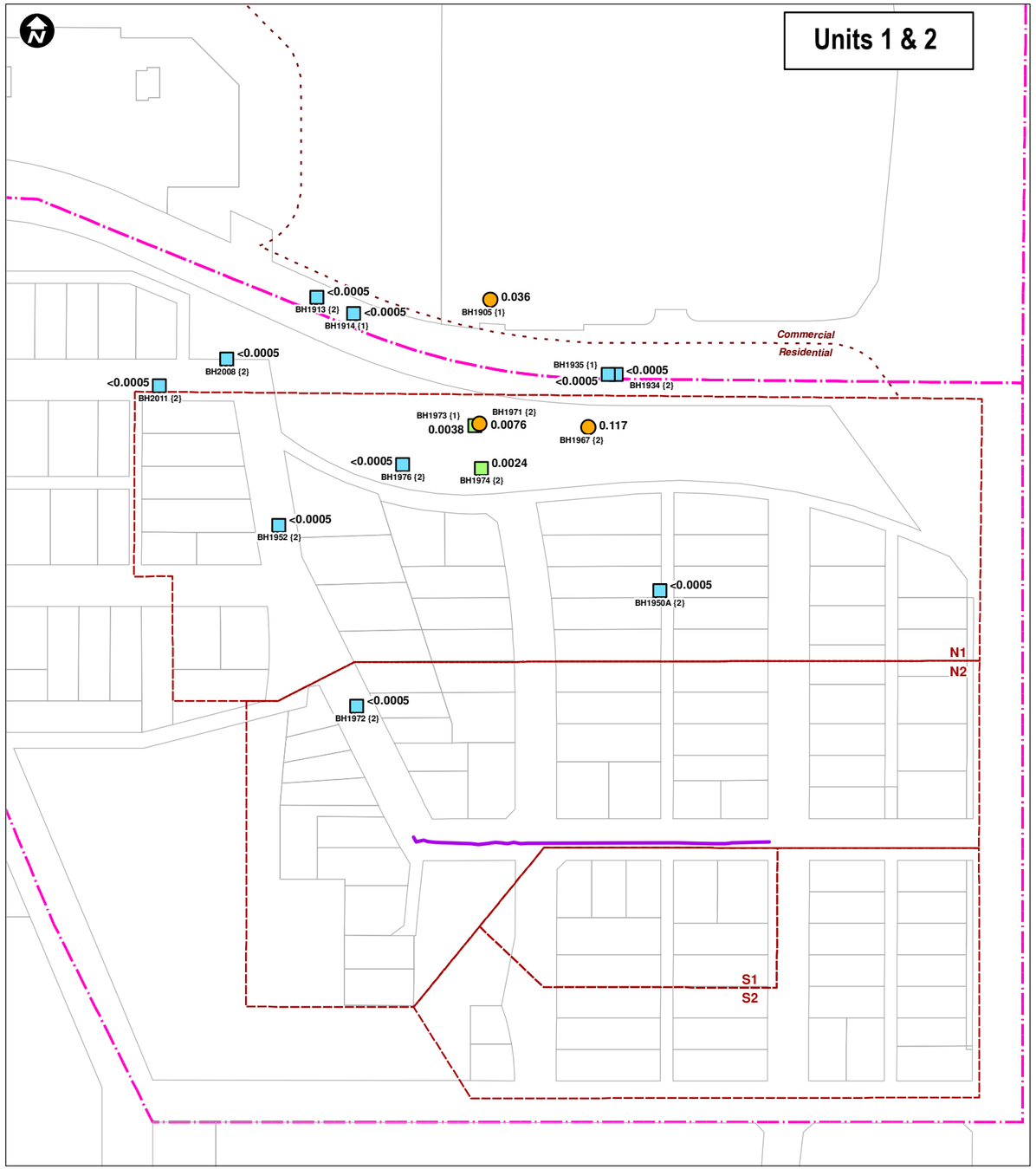
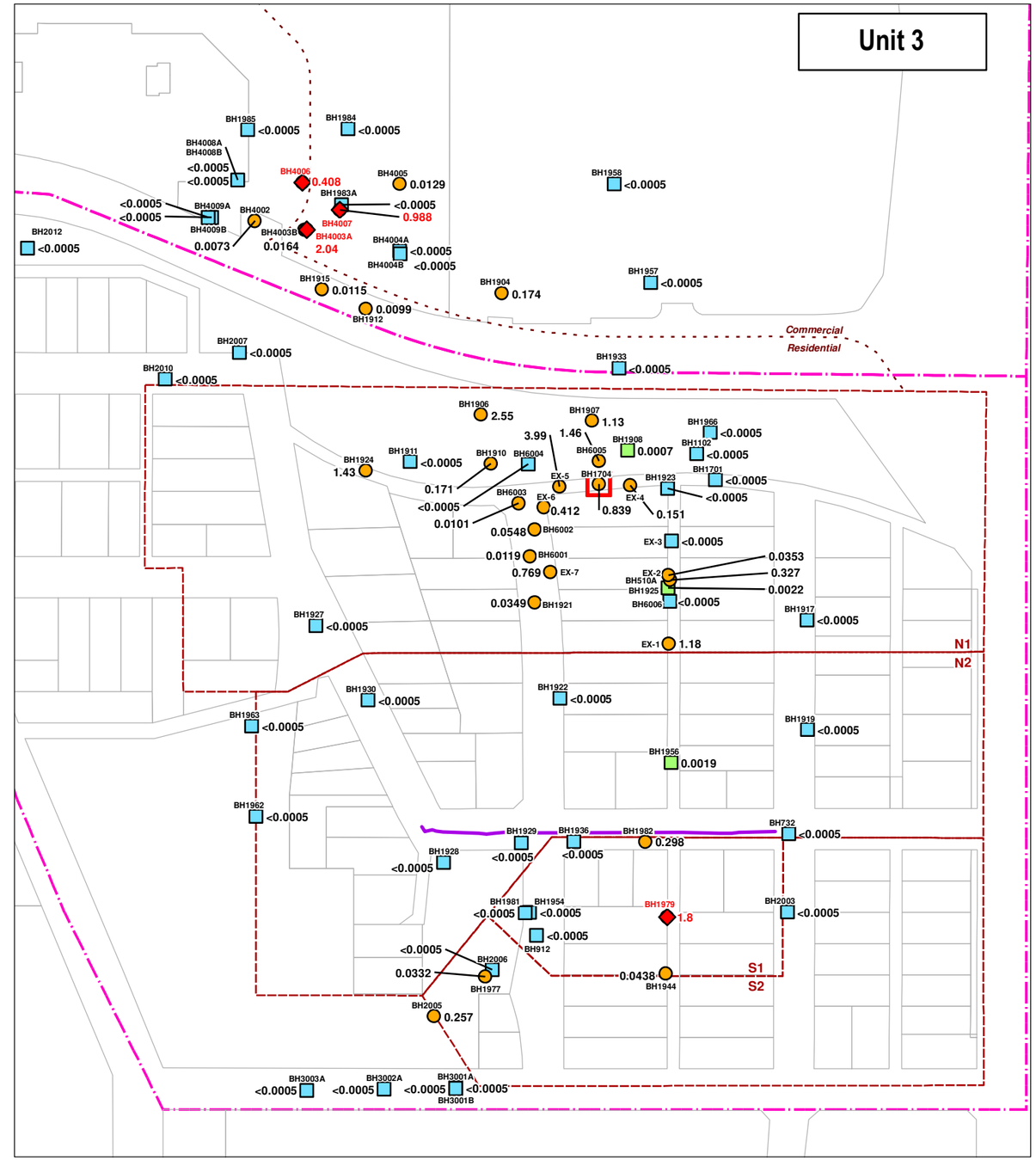




LEGEND

- <0.0005 mg/L (lab detection limit)
- >=0.0005 to <= 0.005 mg/L (drinking water guideline)
- >0.005 mg/L to <= Vapour inhalation guideline
- Exceeds vapour inhalation guideline (varies based on area)
- Liquid-Phase Hydrocarbons Detected
- Residential/parkland 30 m buffer
- Tier 2 vapour inhalation pathway guideline area (N1, N2, S1, S2)
- Permeable Reactive Barrier (2019)
- Site Boundary

{ } Geological Unit
0.005 Benzene Concentration in mg/L

0 25 50 100
Metres

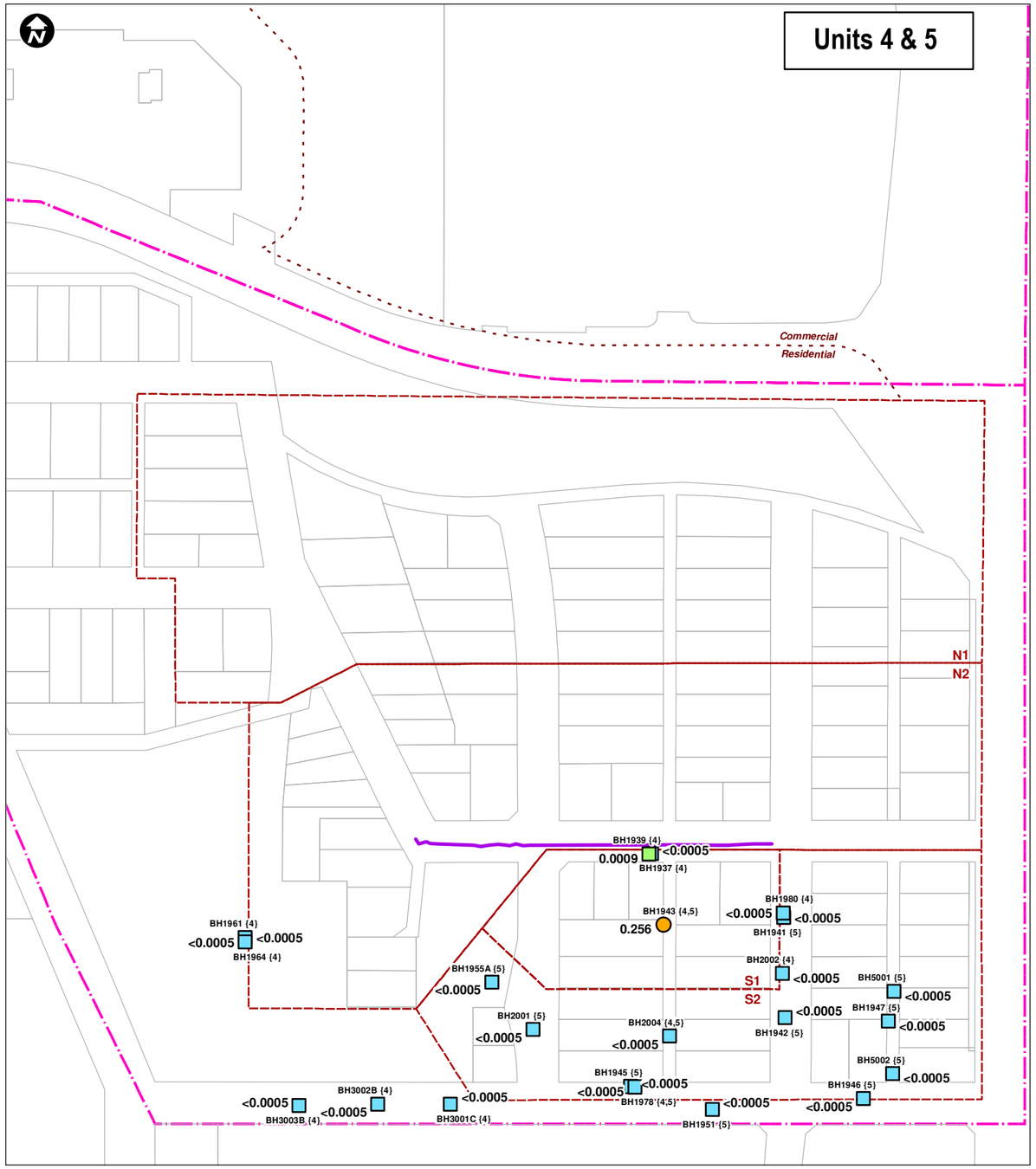
Notes:
- Groundwater guideline(s) for the vapour inhalation pathway varies based on area; see report text for details.
- Groundwater analytical results collected in June 2022 by Clifton.
- Geological unit is as per the report May/June 2022 Monitoring and Sampling Event (Clifton, 2022).

Benzene Concentrations in Groundwater (mg/L) (June 2022)

Hounsfield Heights And Lion's Park, 1620-14th Ave NW Calgary, Alberta

Drawn By: SLD	Ref. No.: 10-12832
Reviewed By: MP	Date: 28-Mar-2023
PARSONS	Drawing No.: 6a

Document Path: C:\Z_Drive\10-12832\MXD\12832_GW_2022_BenzeneConc_1-3.mxd Coordinate System: NAD83 UTM 114 Longitude Meter Province of Alberta Canada



LEGEND

- <0.0005 mg/L (lab detection limit)
- >=0.0005 to <= 0.005 mg/L (drinking water guideline)
- >0.005 mg/L to <= Vapour inhalation guideline
- Exceeds vapour inhalation guideline (varies based on area)
- Liquid-Phase Hydrocarbons Detected
- Residential/parkland 30 m buffer
- Tier 2 vapour inhalation pathway guideline area (N1, N2, S1, S2)
- Permeable Reactive Barrier (2019)
- { } Geological Unit
- 0.005 Benzene Concentration in mg/L

0 25 50 100
Metres

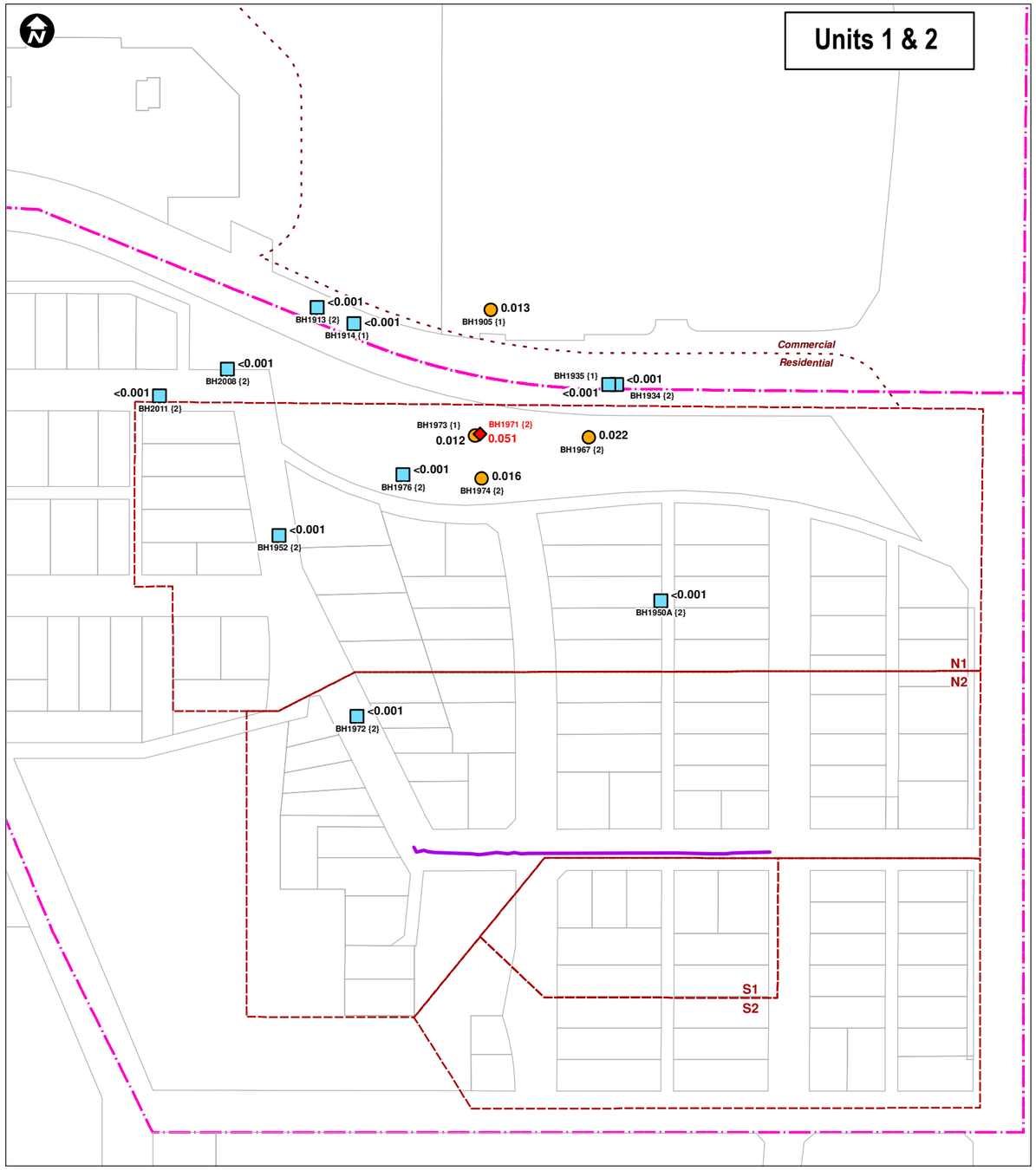
Notes:
- Groundwater guideline(s) for the vapour inhalation pathway varies based on area; see report text for details.
- Groundwater analytical results collected in June 2022 by Clifton.
- Geological unit is as per the report May/June 2022 Monitoring and Sampling Event (Clifton, 2022).

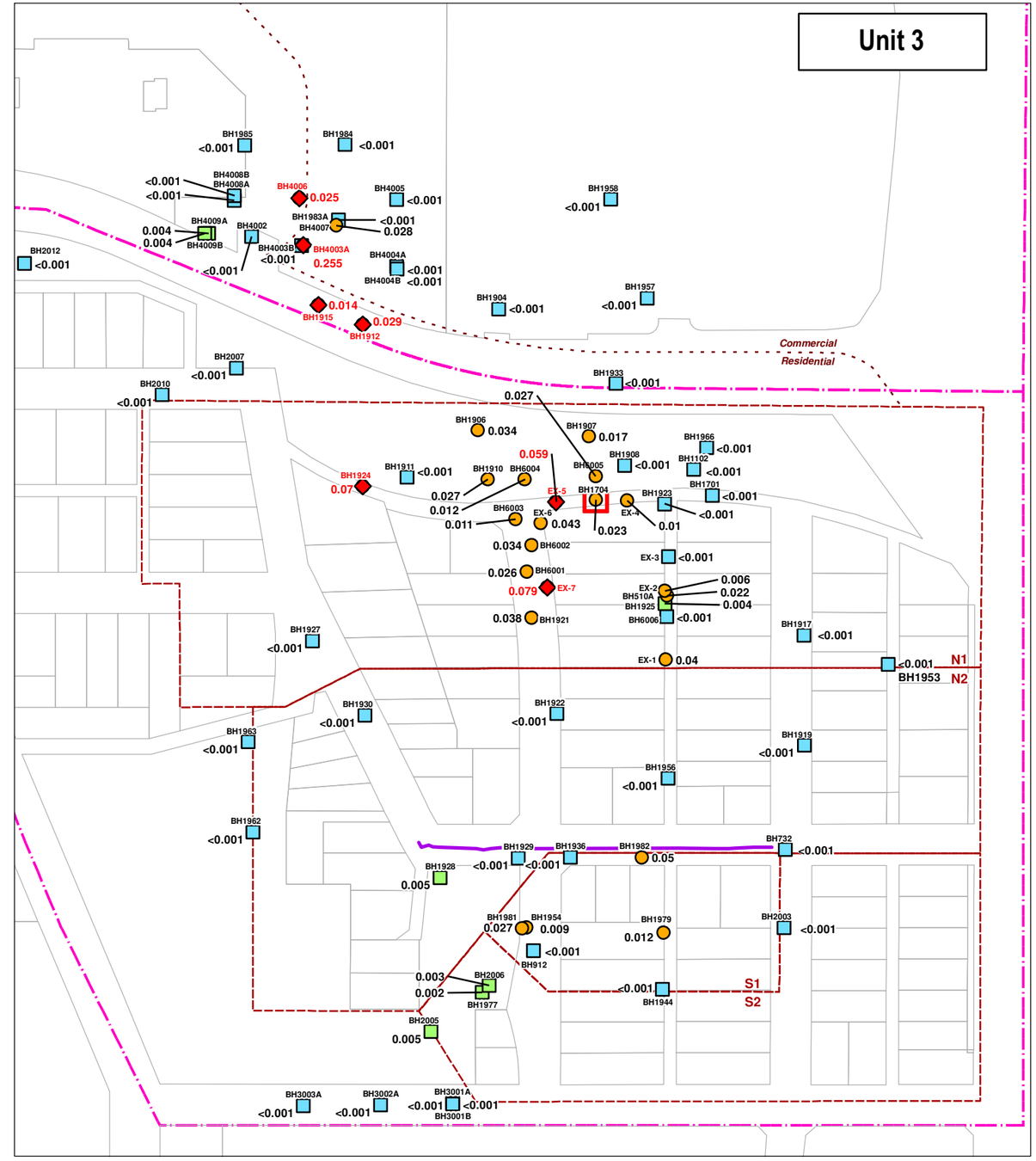
Benzene Concentrations in Groundwater (mg/L) (June 2022)

Hounsfield Heights And Lion's Park, 1620-14th Ave NW Calgary, Alberta

	Drawn By: SLD	Ref. No.: 10-12832
	Reviewed By: MP	Date: 28-Mar-2023
PARSONS		Drawing No.: 6b

Document Path: C:\Z_Drive\10-12832\MXD\12832_GW_2022_BenzeneConc_4-5.mxd Coordinate System: NAD83 UTM 114 Longitude Meter Province of Alberta Canada





LEGEND

- <0.001 mg/L (lab detection limit)
- >=0.001 to <= 0.005 mg/L (drinking water guideline)
- >0.005 mg/L to <= Vapour inhalation guideline
- Exceeds vapour inhalation guideline (varies based on area)
- Liquid-Phase Hydrocarbons Detected
- Residential/parkland 30 m buffer
- Tier 2 vapour inhalation pathway guideline area (N1, N2, S1, S2)
- Permeable Reactive Barrier (2019)
- { } Geological Unit
- 0.001 1,2-DCA Concentration in mg/L

0 25 50 100
Metres

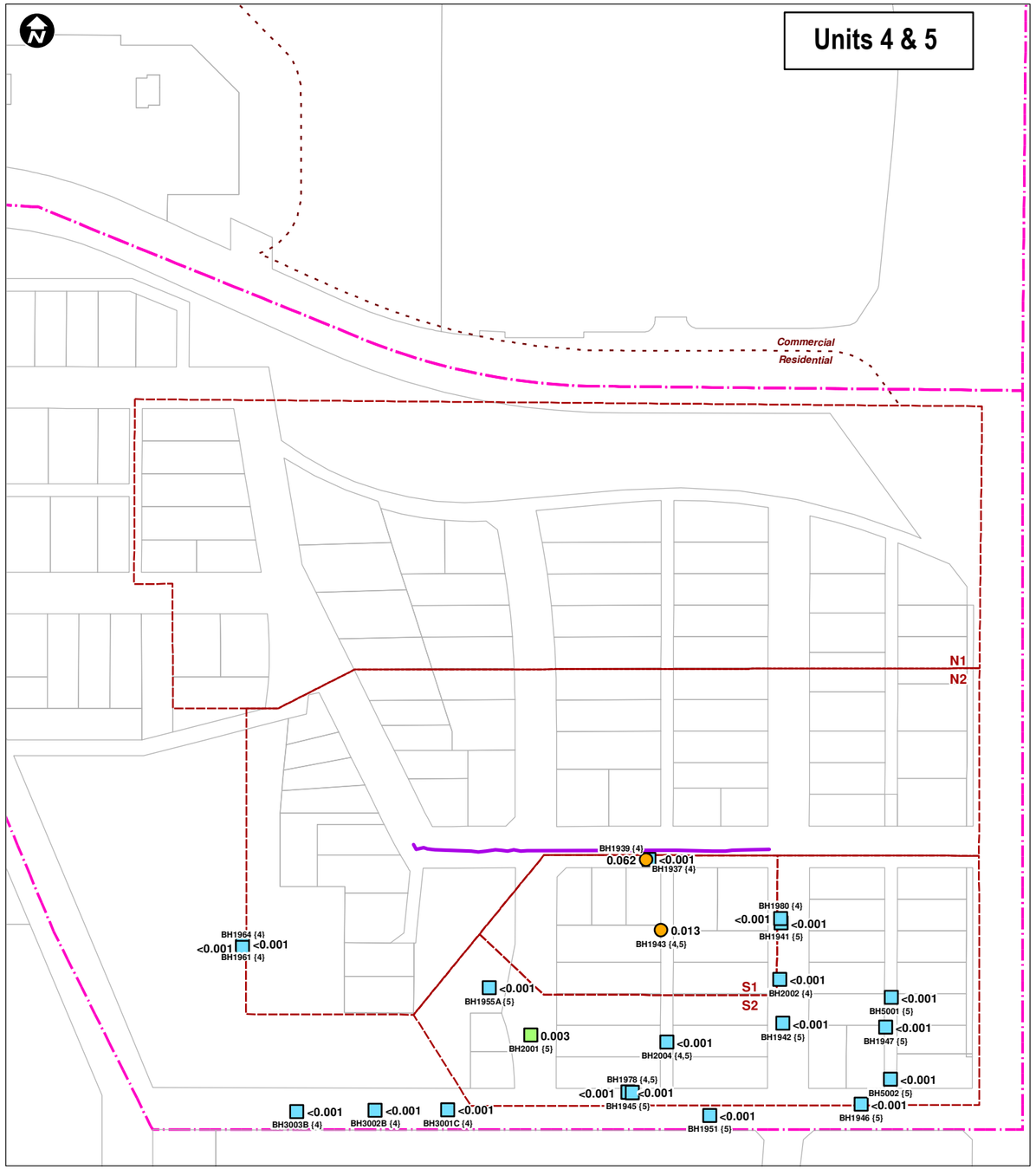
Notes:
- Groundwater guideline(s) for the vapour inhalation pathway varies based on area; see report text for details.
- Groundwater analytical results collected in June 2022 by Clifton.
- Geological unit is as per the report May/June 2022 Monitoring and Sampling Event (Clifton, 2022).

1,2-Dichloroethane Concentrations in Groundwater (mg/L) (June 2022)

Hounsfield Heights And Lion's Park, 1620-14th Ave NW, Calgary, Alberta

Drawn By: SLD	Ref. No.: 10-12832	
Reviewed By: MP	Date: 28-Mar-2023	
PARSONS	Drawing No.: 7a	

Document Path: C:\Z_Drive\10-12832\MXD\12832_GW_2022_DCA_Conc_1-3.mxd Coordinate System: NAD83 UTM 114 Longitude Meter Province of Alberta Canada



LEGEND

- <0.001 mg/L (lab detection limit)
- >=0.001 to <= 0.005 mg/L (drinking water guideline)
- >0.005 mg/L to <= Vapour inhalation guideline
- >Vapour inhalation guideline (varies based on area)
- Liquid-Phase Hydrocarbons Detected
- Residential/parkland 30 m buffer
- Tier 2 vapour inhalation pathway guideline area (N1, N2, S1, S2)
- Permeable Reactive Barrier (2019)
- { } Geological Unit
- 0.001 1,2-DCA Concentration in mg/L

0 25 50 100
Metres

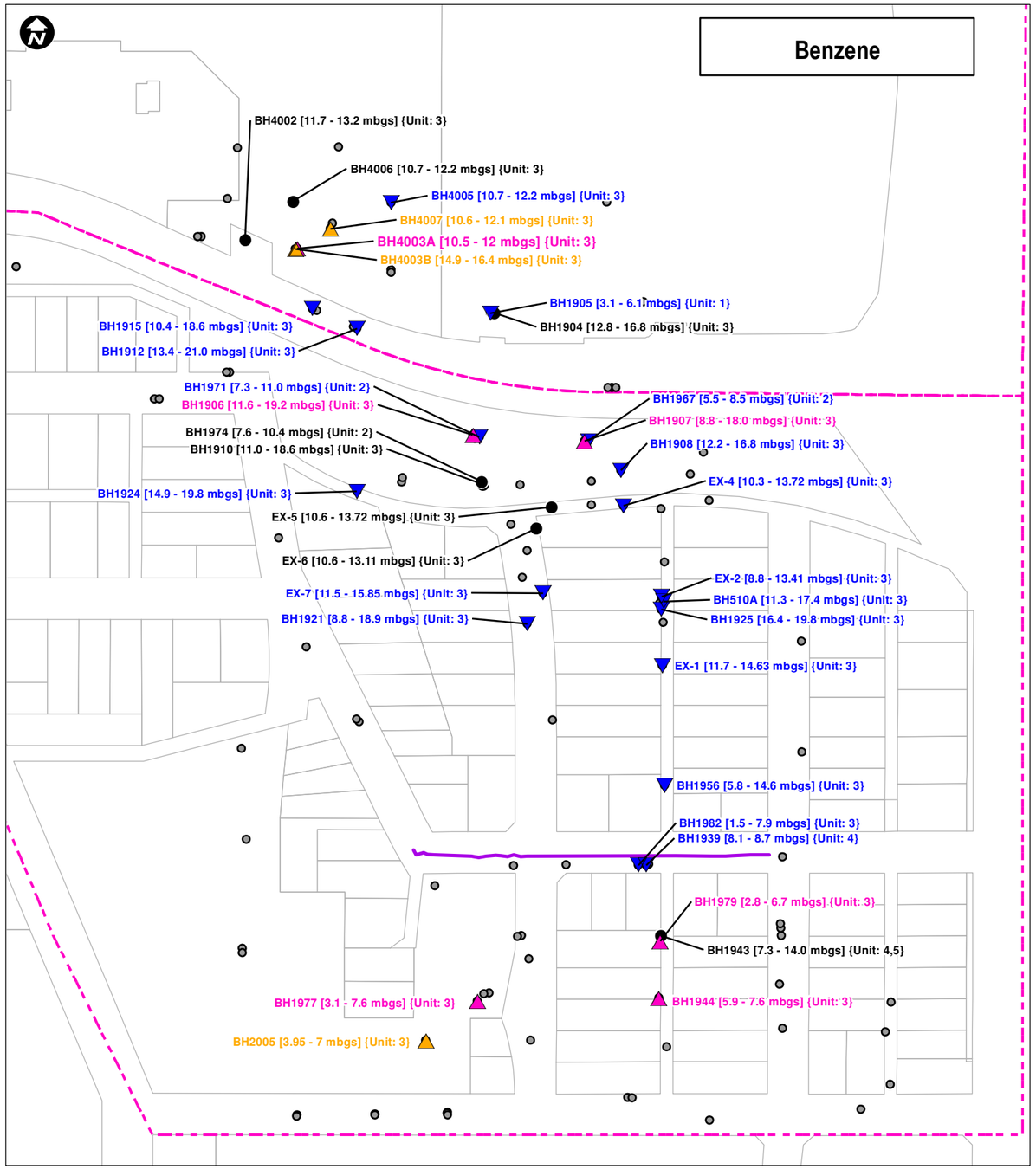
Notes:
- Groundwater guideline(s) for the vapour inhalation pathway varies based on area; see report text for details.
- Groundwater analytical results collected in June 2022 by Clifton.
- Geological unit is as per the report May/June 2022 Monitoring and Sampling Event (Clifton, 2022).

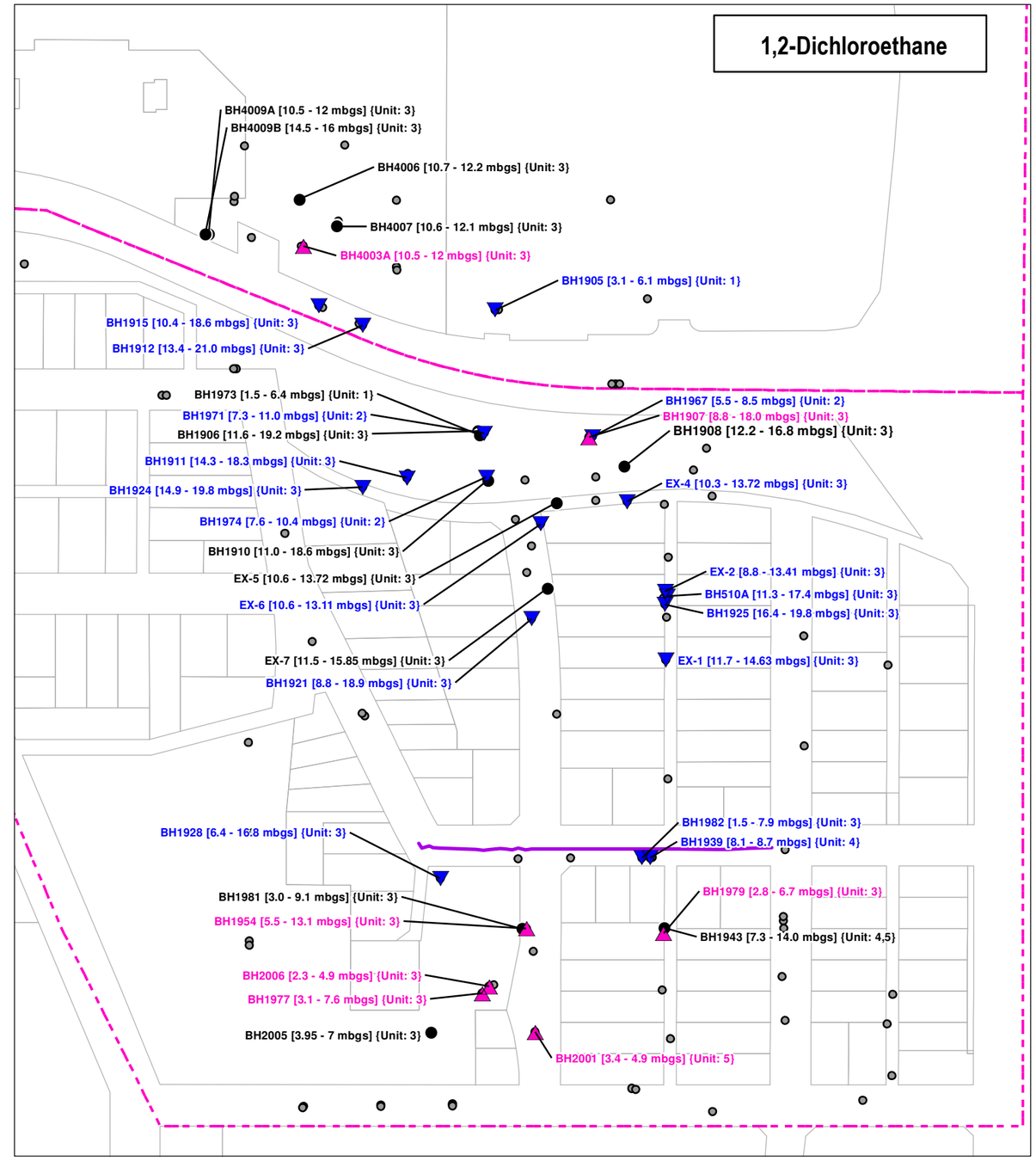
1,2-Dichloroethane Concentrations in Groundwater (mg/L) (June 2022)

Hounsfield Heights And Lion's Park, 1620-14th Ave NW, Calgary, Alberta

Drawn By: SLD	Ref. No.: 10-12832
Reviewed By: MP	Date: 28-Mar-2023
PARSONS	Drawing No.: 7b

Document Path: C:\Z_Drive\10-12832\MXD\12832_GW_2022_DCA_Conc_4-5.mxd Coordinate System: NAD83 UTM 114 Longitude Meter Province of Alberta Canada





LEGEND

- Increasing
- Probably Increasing
- Decreasing or Probably Decreasing
- No Trend or Stable
- Sampled in 2022, Trend analysis not conducted

- Permeable Reactive Barrier (2019)
- Site Boundary
- [ ] Screen interval (mbgs)
- { } Geological Unit

0 25 50 100
Metres

Notes:
- Trend analysis was not conducted for wells/analytes with an insufficient number of detectable data points; see report for further details.
- Geological unit is as per the report May/June 2022 Monitoring and Sampling Event (Clifton, 2022).

Trend Analysis Summary: Benzene and 1,2-Dichloroethane Groundwater Analytical Data (2013-2022)

Hounsfield Heights And Lion's Park, 1620-14th Ave NW Calgary, Alberta

	Drawn By: SLD	Ref. No.: 10-12832
	Reviewed By: MP	Date: 29-Mar-2023
PARSONS		Drawing No.: 8

Document Path: C:\Z_Drive\10-12832\MXD\12832_Trends2022.mxd Coordinate System: NAD83 UTM 114 Longitude Meter Province of Alberta Canada

APPENDIX A

GUIDELINE SUMMARY

TABLE A-1

SUMMARY OF GROUNDWATER GUIDELINES EFFECTIVE JANUARY 1, 2023

	Tier 1[a]									Tier 2[b]			
Pathway:	**Protection of Domestic Use Aquifer**	**Ecological Direct Soil Contact**	**Ecological Direct Soil Contact**	**Ecological Direct Soil Contact**	**Ecological Direct Soil Contact**	**Vapour Inhalation Tier 1**	**Vapour Inhalation Tier 1**	**Vapour Inhalation Tier 1**	**Vapour Inhalation Tier 1**	**Vapour Inhalation Tier 2**	**Vapour Inhalation Tier 2**	**Vapour Inhalation Tier 2**	**Vapour Inhalation Tier 2**
Grain Size:	N/A	Coarse	Coarse	Fine	Fine	Coarse	Coarse	Fine	Fine	N/A	N/A	N/A	N/A
Land Use:	N/A	Commercial	Residential	Commercial	Residential	Commercial	Residential	Commercial	Residential	N/A	N/A	N/A	N/A
Tier 2 Area for Vapour Inhalation Pathway:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N1	N2	S1	S2
Units:	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Benzene	0.005	350	61	540	100	0.37	0.03	3.9	0.57	16	12	0.67	0.57
Toluene	0.024	200	59	240	82	-	45	-	-	-	-	-	-
Ethylbenzene	0.0016	110	20	150	42	-	31	-	-	-	-	-	-
Xylenes	0.02	120	31	74	21	26	2.2	-	44	-	-	52	44
F1	2.2	11	7.1	9.9	6.5	9.1	0.81	-	19	540	420	23	19
F2	1.1	3.1	1.8	3.1	1.8	17	1.5	-	-	-	-	-	-
Naphthalene	0.47	-	-	-	-	31	2.7	-	-	-	-	-	-
1,2-Dichloroethane	0.005	-	-	-	-	0.13	0.01	1.2	0.17	0.048	0.038	0.2	0.17

a - Alberta Tier 1 and 2 Soil and Groundwater Remediation Guidelines (AEP, 2022a/b); freshwater aquatic life pathway excluded.

b - Calculated Tier 2 guidelines for the vapour inhalation pathway (Intrinsik, 2022), for BTEX, F1, F2, 1,2-DCA and Naphthalene.

"-" - No guideline or No Guideline Required (NGR - calculated values above compound solubility limit).

"--" - Not assessed via Tier 2

N/A - Not applicable.

TABLE A-2

SUMMARY OF SOIL VAPOUR GUIDELINES

Reference	Land Use	Grain Size	Depth (cm)	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	Naphthalene	F1 Aliphatic C6-C8	F1 Aliphatic >C8-C10	F1 Aromatic >C8-C10	F2 Aliphatic >C10-C12	F2 Aromatic >C10-C12	F2 Aliphatic >C12-C16	F2 Aromatic >C12-C16
Intrinsik, 2022, Table 6.1	Residential	Fine	<100(1)	6.3E+01	1.1E+05	1.0E+05	4.9E+03	3.8E+01	4.5E+02	9.2E+05	4.8E+04	8.1E+03	5.0E+04	1.0E+04	5.0E+04	1.0E+04
			100	3.0E+04	5.5E+07	4.9E+07	2.4E+06	1.8E+03	2.3E+04	4.7E+08	2.5E+07	4.2E+06	2.6E+07	5.1E+06	2.6E+07	5.1E+06
			150	3.2E+04	5.7E+07	5.1E+07	2.5E+06	1.9E+03	2.4E+04	5.0E+08	2.6E+07	4.5E+06	2.7E+07	5.5E+06	2.7E+07	5.5E+06
			200	3.3E+04	5.9E+07	5.3E+07	2.6E+06	1.9E+03	2.5E+04	5.3E+08	2.8E+07	4.7E+06	2.9E+07	5.8E+06	2.9E+07	5.8E+06
			250	3.4E+04	6.1E+07	5.6E+07	2.7E+06	2.0E+03	2.7E+04	5.6E+08	2.9E+07	5.0E+06	3.1E+07	6.1E+06	3.1E+07	6.1E+06
			300	3.5E+04	6.3E+07	5.8E+07	2.8E+06	2.0E+03	2.8E+04	5.9E+08	3.1E+07	5.3E+06	3.2E+07	6.5E+06	3.2E+07	6.5E+06
			350	3.6E+04	6.5E+07	6.0E+07	2.9E+06	2.1E+03	2.9E+04	6.2E+08	3.3E+07	5.5E+06	3.4E+07	6.8E+06	3.4E+07	6.8E+06
			400	3.7E+04	6.8E+07	6.2E+07	3.0E+06	2.2E+03	3.0E+04	6.5E+08	3.4E+07	5.8E+06	3.6E+07	7.1E+06	3.6E+07	7.1E+06
			450	3.9E+04	7.0E+07	6.4E+07	3.1E+06	2.2E+03	3.2E+04	6.8E+08	3.6E+07	6.1E+06	3.7E+07	7.4E+06	3.7E+07	7.4E+06
			500	4.0E+04	7.2E+07	6.7E+07	3.2E+06	2.3E+03	3.3E+04	7.1E+08	3.7E+07	6.3E+06	3.9E+07	7.8E+06	3.9E+07	7.8E+06
			550	4.1E+04	7.4E+07	6.9E+07	3.3E+06	2.3E+03	3.4E+04	7.4E+08	3.9E+07	6.6E+06	4.1E+07	8.1E+06	4.1E+07	8.1E+06
			600	4.2E+04	7.6E+07	7.1E+07	3.4E+06	2.4E+03	3.5E+04	7.7E+08	4.1E+07	6.9E+06	4.2E+07	8.4E+06	4.2E+07	8.4E+06
Intrinsik, 2022, Table 6.2	Residential	Coarse	<100(1)	6.3E+01	1.1E+05	1.0E+05	4.9E+03	3.8E+01	4.5E+02	9.2E+05	4.8E+04	8.1E+03	5.0E+04	1.0E+04	5.0E+04	1.0E+04
			100	4.1E+03	7.4E+06	6.8E+06	3.3E+05	2.3E+02	3.4E+03	7.4E+07	3.9E+06	6.6E+05	4.0E+06	8.1E+05	4.0E+06	8.1E+05
			150	4.7E+03	8.5E+06	8.0E+06	3.9E+05	2.7E+02	4.1E+03	9.0E+07	4.7E+06	8.0E+05	4.9E+06	9.9E+05	4.9E+06	9.9E+05
			200	5.3E+03	9.7E+06	9.2E+06	4.5E+05	3.0E+02	4.8E+03	1.1E+08	5.6E+06	9.5E+05	5.8E+06	1.2E+06	5.8E+06	1.2E+06
			250	6.0E+03	1.1E+07	1.0E+07	5.0E+05	3.3E+02	5.5E+03	1.2E+08	6.5E+06	1.1E+06	6.7E+06	1.3E+06	6.7E+06	1.3E+06
			300	6.6E+03	1.2E+07	1.2E+07	5.6E+05	3.6E+02	6.1E+03	1.4E+08	7.3E+06	1.2E+06	7.6E+06	1.5E+06	7.6E+06	1.5E+06
			350	7.2E+03	1.3E+07	1.3E+07	6.1E+05	4.0E+02	6.8E+03	1.6E+08	8.2E+06	1.4E+06	8.5E+06	1.7E+06	8.5E+06	1.7E+06
			400	7.9E+03	1.4E+07	1.4E+07	6.7E+05	4.3E+02	7.5E+03	1.7E+08	9.0E+06	1.5E+06	9.4E+06	1.9E+06	9.4E+06	1.9E+06
			450	8.5E+03	1.5E+07	1.5E+07	7.3E+05	4.6E+02	8.2E+03	1.9E+08	9.9E+06	1.7E+06	1.0E+07	2.1E+06	1.0E+07	2.1E+06
			500	9.2E+03	1.7E+07	1.6E+07	7.8E+05	4.9E+02	8.9E+03	2.0E+08	1.1E+07	1.8E+06	1.1E+07	2.2E+06	1.1E+07	2.2E+06
			550	9.8E+03	1.8E+07	1.8E+07	8.4E+05	5.3E+02	9.6E+03	2.2E+08	1.2E+07	2.0E+06	1.2E+07	2.4E+06	1.2E+07	2.4E+06
			600	1.0E+04	1.9E+07	1.9E+07	9.0E+05	5.6E+02	1.0E+04	2.4E+08	1.2E+07	2.1E+06	1.3E+07	2.6E+06	1.3E+07	2.6E+06
Intrinsik, 2022, Table 6.3	Commercial	Fine	<100(1)	2.3E+02	4.1E+05	3.6E+05	1.8E+04	1.4E+02	1.6E+03	3.3E+06	1.7E+05	3.0E+04	1.8E+05	3.6E+04	1.8E+05	3.6E+04
			100	3.2E+05	5.7E+08	5.2E+08	2.5E+07	1.8E+04	2.4E+05	5.1E+09	2.7E+08	4.5E+07	2.8E+08	5.5E+07	2.8E+08	5.5E+07
			150	3.3E+05	5.9E+08	5.4E+08	2.6E+07	1.9E+04	2.6E+05	5.4E+09	2.8E+08	4.8E+07	2.9E+08	5.9E+07	2.9E+08	5.9E+07
			200	3.4E+05	6.1E+08	5.6E+08	2.7E+07	2.0E+04	2.7E+05	5.7E+09	3.0E+08	5.0E+07	3.1E+08	6.2E+07	3.1E+08	6.2E+07
			250	3.5E+05	6.4E+08	5.8E+08	2.8E+07	2.0E+04	2.8E+05	5.9E+09	3.1E+08	5.3E+07	3.2E+08	6.5E+07	3.2E+08	6.5E+07
			300	3.6E+05	6.6E+08	6.1E+08	2.9E+07	2.1E+04	2.9E+05	6.2E+09	3.3E+08	5.5E+07	3.4E+08	6.8E+07	3.4E+08	6.8E+07
			350	3.7E+05	6.8E+08	6.3E+08	3.1E+07	2.1E+04	3.1E+05	6.5E+09	3.4E+08	5.8E+07	3.6E+08	7.1E+07	3.6E+08	7.1E+07
			400	3.9E+05	7.0E+08	6.5E+08	3.2E+07	2.2E+04	3.2E+05	6.8E+09	3.6E+08	6.1E+07	3.7E+08	7.5E+07	3.7E+08	7.5E+07
			450	4.0E+05	7.2E+08	6.7E+08	3.3E+07	2.3E+04	3.3E+05	7.1E+09	3.7E+08	6.3E+07	3.9E+08	7.8E+07	3.9E+08	7.8E+07
			500	4.1E+05	7.4E+08	6.9E+08	3.4E+07	2.3E+04	3.4E+05	7.4E+09	3.9E+08	6.6E+07	4.1E+08	8.1E+07	4.1E+08	8.1E+07
			550	4.2E+05	7.6E+08	7.1E+08	3.5E+07	2.4E+04	3.6E+05	7.7E+09	4.1E+08	6.9E+07	4.2E+08	8.4E+07	4.2E+08	8.4E+07
			600	4.3E+05	7.8E+08	7.3E+08	3.6E+07	2.4E+04	3.7E+05	8.0E+09	4.2E+08	7.1E+07	4.4E+08	8.8E+07	4.4E+08	8.8E+07
Intrinsik, 2022, Table 6.4	Commercial	Coarse	<100(1)	2.3E+02	4.1E+05	3.6E+05	1.8E+04	1.4E+02	1.6E+02	3.3E+06	1.7E+05	3.0E+04	1.8E+05	3.6E+04	1.8E+05	3.6E+04
			100	4.3E+04	7.8E+07	7.2E+07	3.5E+06	2.5E+03	3.6E+04	7.7E+08	4.0E+07	6.8E+06	4.2E+07	8.4E+06	4.2E+07	8.4E+06
			150	4.9E+04	8.9E+07	8.4E+07	4.1E+06	2.8E+03	4.2E+04	9.3E+08	4.9E+07	8.3E+06	5.1E+07	1.0E+07	5.1E+07	1.0E+07
			200	5.6E+04	1.0E+08	9.5E+07	4.6E+06	3.1E+03	4.9E+04	1.1E+09	5.7E+07	9.7E+06	6.0E+07	1.2E+07	6.0E+07	1.2E+07
			250	6.2E+04	1.1E+08	1.1E+08	5.2E+06	3.4E+03	5.6E+04	1.3E+09	6.6E+07	1.1E+07	6.8E+07	1.4E+07	6.8E+07	1.4E+07
			300	6.8E+04	1.2E+08	1.2E+08	5.7E+06	3.8E+03	6.3E+04	1.4E+09	7.4E+07	1.3E+07	7.7E+07	1.5E+07	7.7E+07	1.5E+07
			350	7.4E+04	1.3E+08	1.3E+08	6.3E+06	4.1E+03	6.9E+04	1.6E+09	8.3E+07	1.4E+07	8.6E+07	1.7E+07	8.6E+07	1.7E+07
			400	8.1E+04	1.5E+08	1.4E+08	6.8E+06	4.4E+03	7.6E+04	1.7E+09	9.1E+07	1.5E+07	9.5E+07	1.9E+07	9.5E+07	1.9E+07
			450	8.7E+04	1.6E+08	1.5E+08	7.4E+06	4.7E+03	8.3E+04	1.9E+09	9.9E+07	1.7E+07	1.0E+08	2.1E+07	1.0E+08	2.1E+07
			500	9.3E+04	1.7E+08	1.7E+08	7.9E+06	5.0E+03	8.9E+04	2.1E+09	1.1E+08	1.8E+07	1.1E+08	2.2E+07	1.1E+08	2.2E+07
			550	9.9E+04	1.8E+08	1.8E+08	8.5E+06	5.4E+03	9.6E+04	2.2E+09	1.2E+08	2.0E+07	1.2E+08	2.4E+07	1.2E+08	2.4E+07
			600	1.1E+05	1.9E+08	1.9E+08	9.0E+06	5.7E+03	1.0E+05	2.4E+09	1.2E+08	2.1E+07	1.3E+08	2.6E+07	1.3E+08	2.6E+07

Notes:
Highlighted value indicates calculated guideline value results in a vapour concentration greater than the maximum possible vapour concentration for that chemical, assuming no NAPL is present. Maximum vapour concentration calculated according to Health Canada (2010) guidance.
(1) Based on default attenuation coefficient of 0.01 (AEP 2022b).

TABLE A-2

SUMMARY OF SOIL VAPOUR GUIDELINES

Reference	Land Use	Grain Size	Depth (cm)	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	Naphthalene	F1 Aliphatic C6-C8	F1 Aliphatic >C8-C10	F1 Aromatic >C8-C10	F2 Aliphatic >C10-C12	F2 Aromatic >C10-C12	F2 Aliphatic >C12-C16	F2 Aromatic >C12-C16
Intrinsik, 2016, Table 8.1	Residential	Fine	<100(2)	3.0E+02	1.9E+05	5.0E+04	8.9E+03	4.0E+01	1.0E+02	9.2E+05	4.8E+04	8.1E+03	5.0E+04	1.0E+04	5.0E+04	1.0E+04
			100	1.5E+05	9.1E+07	2.4E+07	4.4E+06	1.8E+03	5.2E+03	NGR	2.5E+07	4.2E+06	NGR	NGR	NGR	NGR
			150	1.5E+05	9.5E+07	2.6E+07	4.6E+06	1.9E+03	5.5E+03	NGR	2.6E+07	4.5E+06	NGR	NGR	NGR	NGR
			200	1.6E+05	9.8E+07	2.7E+07	4.7E+06	1.9E+03	5.7E+03	NGR	2.8E+07	4.7E+06	NGR	NGR	NGR	NGR
			250	1.6E+05	1.0E+08	2.8E+07	4.9E+06	2.0E+03	6.0E+03	NGR	2.9E+07	5.0E+06	NGR	NGR	NGR	NGR
			300	1.7E+05	1.1E+08	2.9E+07	5.1E+06	2.0E+03	6.3E+03	NGR	3.1E+07	5.3E+06	NGR	NGR	NGR	NGR
			350	1.8E+05	1.1E+08	3.0E+07	5.3E+06	2.1E+03	6.6E+03	NGR	3.3E+07	5.5E+06	NGR	NGR	NGR	NGR
			400	1.8E+05	1.1E+08	3.1E+07	5.5E+06	2.2E+03	6.9E+03	NGR	3.4E+07	5.8E+06	NGR	NGR	NGR	NGR
			450	1.9E+05	1.2E+08	3.2E+07	5.7E+06	2.2E+03	7.2E+03	NGR	NGR	6.1E+06	NGR	NGR	NGR	NGR
			500	1.9E+05	1.2E+08	3.3E+07	5.9E+06	2.3E+03	7.5E+03	NGR	NGR	6.3E+06	NGR	NGR	NGR	NGR
			550	2.0E+05	1.2E+08	3.4E+07	6.1E+06	2.3E+03	7.7E+03	NGR	NGR	6.6E+06	NGR	NGR	NGR	NGR
			600	2.0E+05	1.3E+08	3.5E+07	6.2E+06	2.4E+03	8.0E+03	NGR	NGR	6.9E+06	NGR	NGR	NGR	NGR
Intrinsik, 2016, Table 8.2	Residential	Coarse	<100(2)	3.0E+02	1.9E+05	5.0E+04	8.9E+03	4.0E+01	1.0E+02	9.2E+05	4.8E+04	8.1E+03	5.0E+04	1.0E+04	5.0E+04	1.0E+04
			100	2.0E+04	1.2E+07	3.4E+06	6.0E+05	2.3E+02	7.7E+02	7.4E+07	3.9E+06	6.6E+05	4.0E+06	8.1E+05	NGR	NGR
			150	2.3E+04	1.4E+07	4.0E+06	7.1E+05	2.7E+02	9.3E+02	9.0E+07	4.7E+06	8.0E+05	NGR	9.9E+05	NGR	NGR
			200	2.6E+04	1.6E+07	4.6E+06	8.1E+05	3.0E+02	1.1E+03	1.1E+08	5.6E+06	9.5E+05	NGR	1.2E+06	NGR	NGR
			250	2.9E+04	1.8E+07	5.2E+06	9.1E+05	3.3E+02	1.2E+03	1.2E+08	6.5E+06	1.1E+06	NGR	1.3E+06	NGR	NGR
			300	3.2E+04	2.0E+07	5.8E+06	1.0E+06	3.6E+02	1.4E+03	1.4E+08	7.3E+06	1.2E+06	NGR	1.5E+06	NGR	NGR
			350	3.5E+04	2.2E+07	6.4E+06	1.1E+06	4.0E+02	1.5E+03	1.6E+08	8.2E+06	1.4E+06	NGR	1.7E+06	NGR	NGR
			400	3.8E+04	2.4E+07	7.0E+06	1.2E+06	4.3E+02	1.7E+03	1.7E+08	9.0E+06	1.5E+06	NGR	1.9E+06	NGR	NGR
			450	4.1E+04	2.6E+07	7.5E+06	1.3E+06	4.6E+02	1.9E+03	1.9E+08	9.9E+06	1.7E+06	NGR	2.1E+06	NGR	NGR
			500	4.4E+04	2.8E+07	8.1E+06	1.4E+06	4.9E+02	2.0E+03	2.0E+08	1.1E+07	1.8E+06	NGR	2.2E+06	NGR	NGR
			550	4.7E+04	3.0E+07	8.7E+06	1.5E+06	5.3E+02	2.2E+03	2.2E+08	1.2E+07	2.0E+06	NGR	2.4E+06	NGR	NGR
			600	5.1E+04	3.2E+07	9.3E+06	1.6E+06	5.6E+02	2.3E+03	2.4E+08	1.2E+07	2.1E+06	NGR	2.6E+06	NGR	NGR
Intrinsik, 2016, Table 8.3	Commercial	Fine	<100(2)	1.1E+03	6.8E+05	1.8E+05	3.2E+04	1.5E+02	3.7E+02	3.3E+06	1.7E+05	3.0E+04	1.8E+05	3.6E+04	1.8E+05	3.6E+04
			100	1.5E+06	NGR	NGR	4.6E+07	1.8E+04	5.5E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			150	1.6E+06	NGR	NGR	4.8E+07	1.9E+04	5.8E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			200	1.6E+06	NGR	NGR	5.0E+07	2.0E+04	6.1E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			250	1.7E+06	NGR	NGR	NGR	2.0E+04	6.4E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			300	1.8E+06	NGR	NGR	NGR	2.1E+04	6.7E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			350	1.8E+06	NGR	NGR	NGR	2.1E+04	6.9E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			400	1.9E+06	NGR	NGR	NGR	2.2E+04	7.2E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			450	1.9E+06	NGR	NGR	NGR	2.3E+04	7.5E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			500	2.0E+06	NGR	NGR	NGR	2.3E+04	7.8E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			550	2.0E+06	NGR	NGR	NGR	2.4E+04	8.1E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			600	2.1E+06	NGR	NGR	NGR	2.4E+04	8.3E+04	NGR	NGR	NGR	NGR	NGR	NGR	NGR
Intrinsik, 2016, Table 8.4	Commercial	Coarse	<100(2)	1.1E+03	6.8E+05	1.8E+05	3.2E+04	1.5E+02	3.7E+02	3.3E+06	1.7E+05	3.0E+04	1.8E+05	3.6E+04	1.8E+05	3.6E+04
			100	2.1E+05	1.3E+08	3.6E+07	6.4E+06	2.5E+03	8.1E+03	NGR	NGR	6.8E+06	NGR	NGR	NGR	NGR
			150	2.4E+05	NGR	4.2E+07	7.4E+06	2.8E+03	9.6E+03	NGR	NGR	8.3E+06	NGR	NGR	NGR	NGR
			200	2.7E+05	NGR	4.8E+07	8.4E+06	3.1E+03	1.1E+04	NGR	NGR	9.7E+06	NGR	NGR	NGR	NGR
			250	3.0E+05	NGR	5.3E+07	9.4E+06	3.4E+03	1.3E+04	NGR	NGR	1.1E+07	NGR	NGR	NGR	NGR
			300	3.3E+05	NGR	NGR	1.0E+07	3.8E+03	1.4E+04	NGR	NGR	1.3E+07	NGR	NGR	NGR	NGR
			350	3.6E+05	NGR	NGR	1.1E+07	4.1E+03	1.6E+04	NGR	NGR	1.4E+07	NGR	NGR	NGR	NGR
			400	3.9E+05	NGR	NGR	1.2E+07	4.4E+03	1.7E+04	NGR	NGR	1.5E+07	NGR	NGR	NGR	NGR
			450	4.2E+05	NGR	NGR	1.3E+07	4.7E+03	1.9E+04	NGR	NGR	1.7E+07	NGR	NGR	NGR	NGR
			500	4.5E+05	NGR	NGR	1.4E+07	5.0E+03	2.0E+04	NGR	NGR	1.8E+07	NGR	NGR	NGR	NGR
			550	4.8E+05	NGR	NGR	1.5E+07	5.4E+03	2.2E+04	NGR	NGR	2.0E+07	NGR	NGR	NGR	NGR
			600	5.1E+05	NGR	NGR	1.6E+07	5.7E+03	2.3E+04	NGR	NGR	2.1E+07	NGR	NGR	NGR	NGR

Notes:
NGR No guideline required, as calculated guideline value results in a vapour concentration greater than the maximum possible vapour concentration for that chemical, assuming no NAPL is present. Maximum vapour concentration calculated according to Health Canada (2010) guidance.
(2) Based on default attenuation coefficient of 0.01 (AEP 2016b).

TABLE A-2

SUMMARY OF SOIL VAPOUR GUIDELINES

Reference	Land Use	Grain Size	Depth (cm)	Benzene	Toluene	Ethylbenzene	Xylenes	1,2-DCA	Naphthalene	F1 Aliphatic C6-C8	F1 Aliphatic >C8-C10	F1 Aromatic >C8-C10	F2 Aliphatic >C10-C12	F2 Aromatic >C10-C12	F2 Aliphatic >C12-C16	F2 Aromatic >C12-C16
Intrinsik, 2016, Table 8.5	Outdoor	Fine	100	8.1E+06	NGR	NGR	NGR	8.6E+04	4.1E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			150	1.2E+07	NGR	NGR	NGR	1.3E+05	6.2E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			200	1.6E+07	NGR	NGR	NGR	1.7E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			250	2.0E+07	NGR	NGR	NGR	2.1E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			300	2.4E+07	NGR	NGR	NGR	2.6E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			350	2.8E+07	NGR	NGR	NGR	3.0E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			400	3.3E+07	NGR	NGR	NGR	3.4E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			450	3.7E+07	NGR	NGR	NGR	3.9E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			500	4.1E+07	NGR	NGR	NGR	4.3E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			550	4.5E+07	NGR	NGR	NGR	4.7E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			600	4.9E+07	NGR	NGR	NGR	5.1E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
Intrinsik, 2016, Table 8.6	Outdoor	Coarse	100	4.4E+06	NGR	NGR	NGR	4.7E+04	2.2E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			150	6.6E+06	NGR	NGR	NGR	7.0E+04	3.4E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			200	8.9E+06	NGR	NGR	NGR	9.3E+04	4.5E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			250	1.1E+07	NGR	NGR	NGR	1.2E+05	5.6E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			300	1.3E+07	NGR	NGR	NGR	1.4E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			350	1.5E+07	NGR	NGR	NGR	1.6E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			400	1.8E+07	NGR	NGR	NGR	1.9E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			450	2.0E+07	NGR	NGR	NGR	2.1E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			500	2.2E+07	NGR	NGR	NGR	2.3E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			550	2.4E+07	NGR	NGR	NGR	2.6E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR
			600	2.7E+07	NGR	NGR	NGR	2.8E+05	NGR	NGR	NGR	NGR	NGR	NGR	NGR	NGR

Notes:
NGR – Indicates no guideline required as calculated SVQG exceeds maximum theoretical vapour concentration.

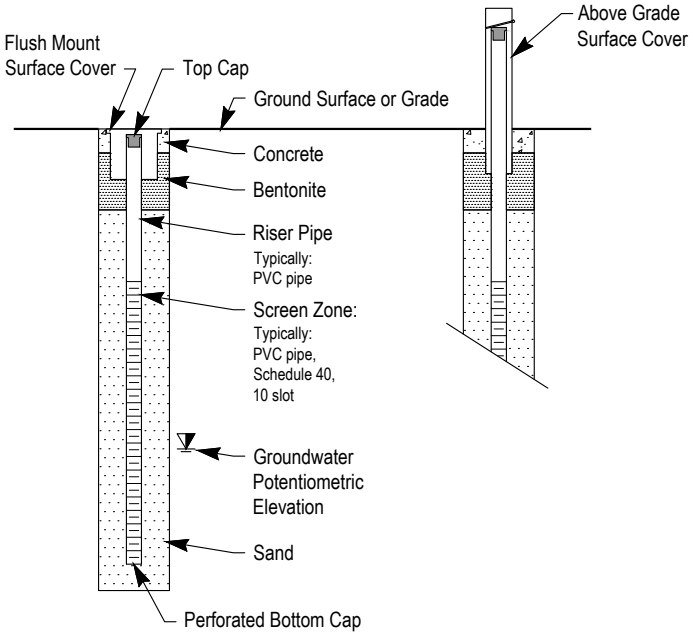
APPENDIX B

BOREHOLE LOGS (SV500 to SV505)

BOREHOLE LOG LEGEND

Overburden

Monitoring Well Details [a]



Backfill Legend

- Asphalt
- Concrete
- Bentonite
- Gravel
- Sand [b]
- Slough
- Drill Cuttings
- Grout
- Topsoil
- Fine Grained Soil
- Open Hole - Overburden

Notes

a A generalized representation to show the well construction depicted on logs. Refer to log text for specific well construction and backfill details.

b #2 well pack silica sand

Stratigraphy Legend

The most common soil types and combinations are shown here.

- Asphalt
- Boulders
- Cobbles
- Gravel
- Sand
- Silt
- Clay
- Topsoil
- Concrete
- Sandy Gravel
- Gravelly Sand
- Sandy Silt
- Sandy Clay
- Peat
- Other Constructed Layer
- Sand and Gravel
- Silty Sand
- Clayey Silt
- Silty Clay
- Organic Soil

Sample Type

DC	Drill Cutting
G	Grab
SL	Sleeved Tube
SS	Split Spoon
ST	Shelby Tube
OS	Other

Soil Descriptions

Soil descriptions are based on the Unified Soils Classification System using standard soil classification techniques that are employed in the field.

BOREHOLE LOG - Soil Gas Monitoring Well

BOREHOLE LOCATION: 1624 - 14th Street NW, Calgary, Alberta	REF. NO: 10-12832	BOREHOLE No: **SV500**
CLIENT: Suncor Energy Products Partnership	TPC ELEV.: 1067.02 m	START DATE: 2022/12/08
BENCHMARK:	GRADE ELEV.: 1067.02 m	COMPLETION DATE: 2022/12/08
ASSIGNED ELEVATION: m (Refer to Drawings for location)		PAGE 1 of 1

Depth (m)	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: SAMPLE TYPE	SAMPLE RUN	RECOVERY %	ZONE TESTED	LAB SAMPLE NAME/ LAB ANALYSES	COMMENTS AND MONITORING WELL NOTES	SOIL GAS WELL	Depth (ft)
0.0	GROUND SURFACE SILT - olive brown, sandy, trace gravel, trace clay, damp.							Surface Cover: Service Box, Flush Mount		0
0.1										
0.2										
0.3										1
0.4										
0.5										
0.6										2
0.7										
0.8										
0.9										3
1.0			SL		-		SV500-1.2 / BTEX, PHC F1-F4, 1,2-DBA, 1,2-DCA, Grain Size, Naphthalene			
1.1										
1.2	END OF BOREHOLE at 1.22 m Borehole Daylighted to 1.22 m									4
1.3								Soil Gas Monitoring Well Installed Well Depth 1.22 m Well Diameter 31.75 mm Well Material Stainless Steel Screen Type 10 Slot Screened From 0.94 m Screened To 1.17 m Riser Diameter 6.35 mm Riser Material Teflon Riser Length 914 mm Casing Diameter 25.40 mm Casing Material Stainless Steel SGMW Volume 376.46 mL		
1.4										
1.5										5
1.6								Sand Pack: 10-20 Sand		
1.7										

START DATE	START DEPTH	HOLE SIZE	EQUIPMENT	CONTRACTOR	GAS METER TYPE: RKI Eagle		
2022/12/08	0.0 m	203 mm	Hydrovac; Water Lance	Badger Daylighting Inc.	LOGGED: TW	REVIEW: MP	DRAFTED: RN

PARSONS

10-12832 SV500 TO SV505 (RN).GPJ PARSONS PE&I REPORT LOG 62 PE&I-CEG DATA V3-R04.GDT PE&I-CEG LIBRARY V3-R12.GLB PREPARED: 2023/01/27 Calgary PRINTED: 3/9/2023

BOREHOLE LOG - Soil Gas Monitoring Well

BOREHOLE LOCATION: 1624 - 14th Street NW, Calgary, Alberta	REF. NO: 10-12832	BOREHOLE No: **SV501**
CLIENT: Suncor Energy Products Partnership	TPC ELEV.: 1071.32 m	START DATE: 2022/12/08
BENCHMARK:	GRADE ELEV.: 1071.32 m	COMPLETION DATE: 2022/12/08
ASSIGNED ELEVATION: m (Refer to Drawings for location)		PAGE 1 of 1

Depth (m)	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: SAMPLE TYPE	SAMPLE RUN	RECOVERY %	ZONE TESTED	LAB SAMPLE NAME/ LAB ANALYSES	COMMENTS AND MONITORING WELL NOTES	SOIL GAS WELL	Depth (ft)
0.0	GROUND SURFACE SILT - olive brown, sandy, trace gravel, trace clay, damp.							Surface Cover: Service Box, Flush Mount		0
0.1										
0.2										
0.3										1
0.4										
0.5										
0.6										2
0.7										
0.8										
0.9										3
1.0			SL		-		SV501-1.2 (Dup-01) / BTEX, PHC F1-F4, 1,2-DBA, 1,2-DCA, Naphthalene			
1.1										
1.2	END OF BOREHOLE at 1.22 m Borehole Daylighted to 1.22 m							Soil Gas Monitoring Well Installed Well Depth 1.22 m Well Diameter 25.40 mm Well Material Stainless Steel Screen Type 10 Slot Screened From 0.94 m Screened To 1.17 m Riser Diameter 6.35 mm Riser Material Teflon Riser Length 914 mm Casing Diameter 25.40 mm Casing Material Stainless Steel SGMW Volume 376.46 mL Sand Pack: 10-20 Sand		4
1.3										
1.4										
1.5										5
1.6										
1.7										

START DATE	START DEPTH	HOLE SIZE	EQUIPMENT	CONTRACTOR	GAS METER TYPE: RKI Eagle		
2022/12/08	0.0 m	203 mm	Hydrovac; Water Lance	Badger Daylighting Inc.	LOGGED: TW	REVIEW: MP	DRAFTED: RN

PARSONS

10-12832 SV500 TO SV505 (RN).GPJ PARSONS PE&I REPORT LOG 62 PE&I-CEG DATA V3-R04.GDT PE&I-CEG LIBRARY V3-R12.GLB PREPARED: 2023/01/27 Calgary PRINTED: 3/9/2023

BOREHOLE LOG - Soil Gas Monitoring Well

BOREHOLE LOCATION: 1624 - 14th Street NW, Calgary, Alberta	REF. NO: 10-12832	BOREHOLE No: **SV502**
CLIENT: Suncor Energy Products Partnership	TPC ELEV.: 1074.33 m	START DATE: 2022/12/08
BENCHMARK:	GRADE ELEV.: 1074.33 m	COMPLETION DATE: 2022/12/08
ASSIGNED ELEVATION: m (Refer to Drawings for location)		PAGE 1 of 1

Depth (m)	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: SAMPLE TYPE	SAMPLE RUN	RECOVERY %	ZONE TESTED	LAB SAMPLE NAME/ LAB ANALYSES	COMMENTS AND MONITORING WELL NOTES	SOIL GAS WELL	Depth (ft)
0.0	GROUND SURFACE SILT - olive brown, sandy, trace gravel, trace clay, damp.							Surface Cover: Service Box, Flush Mount		0
0.1										
0.2										
0.3										1
0.4										
0.5										
0.6										2
0.7										
0.8										
0.9										3
1.0			SL		-		SV502-1.2 / BTEX, PHC F1-F4, 1,2-DBA, 1,2-DCA, Naphthalene			
1.1										
1.2	END OF BOREHOLE at 1.22 m Borehole Daylighted to 1.22 m							Soil Gas Monitoring Well Installed Well Depth 1.22 m Well Diameter 25.40 mm Well Material Stainless Steel Screen Type 10 Slot Screened From 0.94 m Screened To 1.17 m Riser Diameter 6.35 mm Riser Material Teflon Riser Length 914 mm Casing Diameter 25.40 mm Casing Material Stainless Steel SGMW Volume 376.46 mL Sand Pack: 10-20 Sand		4
1.3										
1.4										
1.5										5
1.6										
1.7										

START DATE	START DEPTH	HOLE SIZE	EQUIPMENT	CONTRACTOR	GAS METER TYPE: RKI Eagle		
2022/12/08	0.0 m	203 mm	Hydrovac; Water Lance	Badger Daylighting Inc.	LOGGED: TW	REVIEW: MP	DRAFTED: RN

PARSONS

10-12832 SV500 TO SV505 (RN).GPJ PARSONS PE&I REPORT LOG 62 PE&I-CEG DATA V3-R04.GDT PE&I-CEG LIBRARY V3-R12.GLB PREPARED: 2023/01/27 Calgary PRINTED: 3/9/2023

BOREHOLE LOG - Soil Gas Monitoring Well

BOREHOLE LOCATION: 1624 - 14th Street NW, Calgary, Alberta	REF. NO: 10-12832	BOREHOLE No: **SV503**
CLIENT: Suncor Energy Products Partnership	TPC ELEV.: 1079.46 m	START DATE: 2022/12/08
BENCHMARK:	GRADE ELEV.: 1079.46 m	COMPLETION DATE: 2022/12/08
ASSIGNED ELEVATION: m (Refer to Drawings for location)		PAGE 1 of 1

Depth (m)	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: SAMPLE TYPE	SAMPLE RUN	RECOVERY %	ZONE TESTED	LAB SAMPLE NAME/ LAB ANALYSES	COMMENTS AND MONITORING WELL NOTES	SOIL GAS WELL	Depth (ft)
0.0	GROUND SURFACE SILT - olive brown, some sand, trace gravel, trace clay, damp.							Surface Cover: Service Box, Flush Mount		0
0.1										
0.2										
0.3										1
0.4										
0.5										
0.6										2
0.7										
0.8										
0.9										3
1.0			SL		-		SV503-1.2 / BTEX, PHC F1-F4, 1,2-DBA, 1,2-DCA, Naphthalene			
1.1										
1.2	END OF BOREHOLE at 1.22 m Borehole Daylighted to 1.22 m							Soil Gas Monitoring Well Installed Well Depth 1.22 m Well Diameter 25.40 mm Well Material Stainless Steel Screen Type 10 Slot Screened From 0.94 m Screened To 1.17 m Riser Diameter 6.35 mm Riser Material Teflon Riser Length 914 mm Casing Diameter 25.40 mm Casing Material Stainless Steel SGMW Volume 376.46 mL Sand Pack: 10-20 Sand		4
1.3										
1.4										
1.5										5
1.6										
1.7										

START DATE	START DEPTH	HOLE SIZE	EQUIPMENT	CONTRACTOR	GAS METER TYPE: RKI Eagle		
2022/12/08	0.0 m	203 mm	Hydrovac; Water Lance	Badger Daylighting Inc.	LOGGED: TW	REVIEW: MP	DRAFTED: RN

PARSONS

10-12832 SV500 TO SV505 (RN).GPJ PARSONS PE&I REPORT LOG 62 PE&I-CEG DATA V3-R04.GDT PE&I-CEG LIBRARY V3-R12.GLB PREPARED: 2023/01/27 Calgary PRINTED: 3/9/2023

BOREHOLE LOG - Soil Gas Monitoring Well

BOREHOLE LOCATION: 1624 - 14th Street NW, Calgary, Alberta	REF. NO: 10-12832	BOREHOLE No: **SV504**
CLIENT: Suncor Energy Products Partnership	TPC ELEV.: 1079.48 m	START DATE: 2022/12/08
BENCHMARK:	GRADE ELEV.: 1079.48 m	COMPLETION DATE: 2022/12/08
ASSIGNED ELEVATION: m (Refer to Drawings for location)		PAGE 1 of 1

Depth (m)	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: SAMPLE TYPE	SAMPLE RUN	RECOVERY %	ZONE TESTED	LAB SAMPLE NAME/ LAB ANALYSES	COMMENTS AND MONITORING WELL NOTES	SOIL GAS WELL	Depth (ft)
0.0	GROUND SURFACE SILT - olive brown, clayey, some sand, trace gravel, damp.							Surface Cover: Service Box, Flush Mount		0
0.1										
0.2										
0.3										1
0.4										
0.5										
0.6										2
0.7										
0.8										
0.9										3
1.0			SL		-		SV504-1.2 / BTEX, PHC F1-F4, 1,2-DBA, 1,2-DCA, Naphthalene			
1.1										
1.2	END OF BOREHOLE at 1.22 m Borehole Daylighted to 1.22 m							Soil Gas Monitoring Well Installed Well Depth 1.22 m Well Diameter 25.40 mm Well Material Stainless Steel Screen Type 10 Slot Screened From 0.94 m Screened To 1.17 m Riser Diameter 6.35 mm Riser Material Teflon Riser Length 914 mm Casing Diameter 25.40 mm Casing Material Stainless Steel SGMW Volume 376.46 mL Sand Pack: 10-20 Sand		4
1.3										
1.4										
1.5										5
1.6										
1.7										

START DATE	START DEPTH	HOLE SIZE	EQUIPMENT	CONTRACTOR	GAS METER TYPE: RKI Eagle		
2022/12/08	0.0 m	203 mm	Hydrovac; Water Lance	Badger Daylighting Inc.	LOGGED: TW	REVIEW: MP	DRAFTED: RN

PARSONS

10-12832 SV500 TO SV505 (RN).GPJ PARSONS PE&I REPORT LOG 62 PE&I-CEG DATA V3-R04.GDT PE&I-CEG LIBRARY V3-R12.GLB PREPARED: 2023/01/27 Calgary PRINTED: 3/9/2023

BOREHOLE LOG - Soil Gas Monitoring Well

BOREHOLE LOCATION: 1624 - 14th Street NW, Calgary, Alberta	REF. NO: 10-12832	BOREHOLE No: **SV505**
CLIENT: Suncor Energy Products Partnership	TPC ELEV.: 1079.91 m	START DATE: 2022/12/08
BENCHMARK:	GRADE ELEV.: 1079.91 m	COMPLETION DATE: 2022/12/08
ASSIGNED ELEVATION: m (Refer to Drawings for location)		PAGE 1 of 1

Depth (m)	DESCRIPTION: STRATIGRAPHY	SYMBOL	SAMPLING: SAMPLE TYPE	SAMPLE RUN	RECOVERY %	ZONE TESTED	LAB SAMPLE NAME/ LAB ANALYSES	COMMENTS AND MONITORING WELL NOTES	SOIL GAS WELL	Depth (ft)
0.0	GROUND SURFACE SILT - olive brown, some sand, some clay, trace gravel, damp.							Surface Cover: Service Box, Flush Mount		0
0.1										
0.2										
0.3										1
0.4										
0.5										
0.6										2
0.7										
0.8										
0.9										3
1.0			SL		-		SV505-1.2 / BTEX, PHC F1-F4, 1,2-DBA, 1,2-DCA, Grain Size, Naphthalene			
1.1										
1.2	END OF BOREHOLE at 1.22 m Borehole Daylighted to 1.22 m							Soil Gas Monitoring Well Installed Well Depth 1.22 m Well Diameter 25.40 mm Well Material Stainless Steel Screen Type 10 Slot Screened From 0.94 m Screened To 1.17 m Riser Diameter 6.35 mm Riser Material Teflon Riser Length 914 mm Casing Diameter 25.40 mm Casing Material Stainless Steel SGMW Volume 376.46 mL Sand Pack: 10-20 Sand		4
1.3										
1.4										
1.5										5
1.6										
1.7										

START DATE	START DEPTH	HOLE SIZE	EQUIPMENT	CONTRACTOR	GAS METER TYPE: RKI Eagle		
2022/12/08	0.0 m	203 mm	Hydrovac; Water Lance	Badger Daylighting Inc.	LOGGED: TW	REVIEW: MP	DRAFTED: RN

PARSONS

10-12832 SV500 TO SV505 (RN).GPJ PARSONS PE&I REPORT LOG 62 PE&I-CEG DATA V3-R04.GDT PE&I-CEG LIBRARY V3-R12.GLB PREPARED: 2023/01/27 Calgary PRINTED: 3/9/2023

APPENDIX C

LABORATORY CERTIFICATES OF ANALYSIS – SOIL (SV500 TO SV505)

DATA QUALITY REVIEW CHECKLIST

Consultant: *Parsons Inc.*

Sampling Date: *2022-12-08*

Location: *1620 - 14th Avenue NW, Calgary, AB*

Laboratory : *AGAT Laboratories, Calgary, AB*

Consultant Project Number: *10-12832*

Sample Submission Number: *22C979363*

Are All Laboratory QC Samples Within Acceptance Criteria (Yes, No, Not Applicable)?

	Yes	No	NA	Comments
Surrogate Recovery	*X*			*All lab QC met acceptance criteria.*
Method Blank Concentration	*X*			
Matrix Duplicate RPD	*X*			
Matrix Spike Recovery	*X*			
Other Quality Control Data	*X*			

Are All Field QC Samples Within Alert Limits (Yes, No, Not Applicable)?

	Yes	No	NA	Comments
Field Blank Concentration			*X*	*All field QC samples have met the acceptable RPD limits.*
Trip Blank Concentration			*X*	
Field Duplicate RPD	*X*			

Has CoA been signed off (Yes/No)?:	*Yes*
Were all samples analyzed within hold times (Yes/No)?:	*Yes*
All volatiles samples methanol extracted, if required, within 48 hours (Yes, No or N/A)?:	*No*
Is Chain of Custody completed and signed (Yes/No)?:	*Yes*
Were sample temperatures acceptable when they reached lab (Yes/No)?:	*Yes*

Is data considered to be reliable (Yes/No)?: *Yes*

If answer is "No", describe and provide rationale:

Performed by (Print): *Rebecca Neufeld*

Reviewed by (Print): *Michelle Patterson*

Reviewed date: *2023-01-27*

Reviewed by (Signature):

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
http://www.agatlabs.com

CLIENT NAME: PARSONS
318 11 AVE SE, SUITE 100
CALGARY, AB T2G0Y2
(403) 294-4200
ATTENTION TO: Michelle Patterson
PROJECT: 10-12832
AGAT WORK ORDER: 22C979363
SOIL ANALYSIS REVIEWED BY: Thomas Yoo, Report Writer
TRACE ORGANICS REVIEWED BY: Elena Gorobets, Report Writer
DATE REPORTED: Dec 20, 2022
PAGES (INCLUDING COVER): 11
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (403) 735-2005

*Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
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- *The test results reported herewith relate only to the samples as received by the laboratory.*
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Environmental Services Association of Alberta (ESAA)

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AGAT Laboratories

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CALGARY, ALBERTA
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FAX (403)735-2771
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 22C979363

PROJECT: 10-12832

CLIENT NAME: PARSONS

SAMPLING SITE:

ATTENTION TO: Michelle Patterson

SAMPLED BY:Tyler Wiens

Particle Size - Sieve

DATE RECEIVED: 2022-12-09 **DATE REPORTED: 2022-12-12**

			SAMPLE DESCRIPTION:	SV500-1.2	SV505-1.2
			SAMPLE TYPE:	Soil	Soil
			DATE SAMPLED:	2022-12-08 15:00	2022-12-08 15:25
Parameter	**Unit**	**G / S**	**RDL**	**4605311**	**4605318**
Sieve Analysis - 75 microns	%		1	35	19
Sieve Texture				Fine	Fine

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

4605311-4605318 Value reported is amount of sample retained on sieve after wash with water and represents proportion by weight particles larger than indicated sieve size.
Sieve Texture is a calculated parameter. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By:

Results relate only to the items tested. Results apply to samples as received.

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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 22C979363

PROJECT: 10-12832

CLIENT NAME: PARSONS

SAMPLING SITE:

ATTENTION TO: Michelle Patterson

SAMPLED BY:Tyler Wiens

Naphthalene Analysis - Soil (Alberta)

DATE RECEIVED: 2022-12-09 **DATE REPORTED: 2022-12-15**

			SAMPLE DESCRIPTION:	SV500-1.2	SV501-1.2	SV502-1.2	DUP-01	SV503-1.2	SV504-1.2	SV505-1.2
			SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			DATE SAMPLED:	2022-12-08 15:00	2022-12-08 15:05	2022-12-08 15:10	2022-12-08 15:10	2022-12-08 15:15	2022-12-08 15:20	2022-12-08 15:25
Parameter	**Unit**	**G / S**	**RDL**	**4605311**	**4605313**	**4605314**	**4605315**	**4605316**	**4605317**	**4605318**
Naphthalene	mg/kg		0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B[a]P TPE	mg/kg		0.0225	0.023	0.023	0.023	0.023	0.023	0.023	0.023
IACR (Coarse Soil)			0.0136	0.014	0.014	0.014	0.014	0.014	0.014	0.014
IACR (Fine Soil)			0.0259	0.026	0.026	0.026	0.026	0.026	0.026	0.026
Surrogate	**Unit**	**Acceptable Limits**								
p-Terphenyl-d14 (PAH)	%	50-140		82	76	78	77	78	75	82
p-Naphthalene-d8 (PAH)	%	50-140		80	81	81	77	80	80	81
P_Pyrene-d10 (PAH)	%	50-140		80	80	82	76	79	81	79

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

4605311-4605318 Results are based on the dry weight of the sample.
Based on GC/MS target ion analysis.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: Elena Gorobets

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
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Certificate of Analysis

AGAT WORK ORDER: 22C979363

PROJECT: 10-12832

CLIENT NAME: PARSONS

SAMPLING SITE:

ATTENTION TO: Michelle Patterson

SAMPLED BY:Tyler Wiens

Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized)

DATE RECEIVED: 2022-12-09 **DATE REPORTED: 2022-12-16**

		SAMPLE DESCRIPTION:		SV500-1.2	SV501-1.2	SV502-1.2	DUP-01	SV503-1.2	SV504-1.2	SV505-1.2
		SAMPLE TYPE:		Soil	Soil	Soil	Soil	Soil	Soil	Soil
		DATE SAMPLED:		2022-12-08 15:00	2022-12-08 15:05	2022-12-08 15:10	2022-12-08 15:10	2022-12-08 15:15	2022-12-08 15:20	2022-12-08 15:25
Parameter	**Unit**	**G / S**	**RDL**	**4605311**	**4605313**	**4605314**	**4605315**	**4605316**	**4605317**	**4605318**
Benzene	mg/kg		0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	mg/kg		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	mg/kg		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Xylenes	mg/kg		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
C6 - C10 (F1)	mg/kg		10	<10	<10	<10	<10	<10	<10	<10
C6 - C10 (F1 minus BTEX)	mg/kg		10	<10	<10	<10	<10	<10	<10	<10
C10 - C16 (F2)	mg/kg		10	<10	<10	<10	<10	<10	<10	<10
C16 - C34 (F3)	mg/kg		10	17	15	43	52	28	28	14
C34 - C50 (F4)	mg/kg		10	<10	<10	40	27	34	15	<10
Gravimetric Heavy Hydrocarbons	mg/kg		1000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Moisture Content	%		1.00	15	19	18	17	12	36	<1
Surrogate	**Unit**	**Acceptable Limits**								
Toluene-d8 (BTEX)	%	60-140		95	90	108	102	79	76	82
o-Terphenyl (F2-F4)	%	60-140		112	103	99	100	107	103	102

Certified By: Elena Gorobets

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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TEL (403)735-2005
FAX (403)735-2771
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 22C979363

PROJECT: 10-12832

CLIENT NAME: PARSONS

ATTENTION TO: Michelle Patterson

SAMPLING SITE:

SAMPLED BY:Tyler Wiens

Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized)

DATE RECEIVED: 2022-12-09 **DATE REPORTED: 2022-12-16**

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

4605311-4605318 Results are based on the dry weight of the sample.
The C6-C10 (F1) fraction is calculated using toluene response factor.
The C10 - C16 (F2), C16 - C34 (F3), and C34 - C50 (F4) fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons (F4g) are not included in and cannot be added to the Total C6-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
Quality control data is available upon request.
Assistance in the interpretation of data is available upon request.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
The chromatogram returned to baseline by the retention time of nC50.
C6 –C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
C>10 – C16 (F2- Napthalene) is a calculated parameter. The calculated value is F2 - Napthalene (if PAH analysis has already been requested and reported). The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (if PAH analysis has already been requested and reported). The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylenes + o-Xylene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: Elena Gorobets

Results relate only to the items tested. Results apply to samples as received.

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Certificate of Analysis

AGAT WORK ORDER: 22C979363

PROJECT: 10-12832

CLIENT NAME: PARSONS

ATTENTION TO: Michelle Patterson

SAMPLING SITE:

SAMPLED BY:Tyler Wiens

Volatile Organic Compounds in Soil (Methanol Field Stabilized) - 1,2-DBA, 1,2-DCA

DATE RECEIVED: 2022-12-09 **DATE REPORTED: 2022-12-18**

			SAMPLE DESCRIPTION:	SV500-1.2	SV501-1.2	SV502-1.2	DUP-01	SV503-1.2	SV504-1.2	SV505-1.2
			SAMPLE TYPE:	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			DATE SAMPLED:	2022-12-08 15:00	2022-12-08 15:05	2022-12-08 15:10	2022-12-08 15:10	2022-12-08 15:15	2022-12-08 15:20	2022-12-08 15:25
Parameter	**Unit**	**G / S**	**RDL**	**4605311**	**4605313**	**4605314**	**4605315**	**4605316**	**4605317**	**4605318**
1,2-Dibromoethane	mg/kg		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1,2-Dichloroethane	mg/kg		0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Surrogate	**Unit**	**Acceptable Limits**								
Toluene-d8	%	50-140		106	127	77	92	90	80	111

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

4605311-4605318 Results were obtained based on the dry weight of the sample.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: Elena Gorobets

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: PARSONS

PROJECT: 10-12832

SAMPLING SITE:

AGAT WORK ORDER: 22C979363

ATTENTION TO: Michelle Patterson

SAMPLED BY:Tyler Wiens

Soil Analysis

RPT Date:			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Particle Size - Sieve															
Sieve Analysis - 75 microns	4605325		13	13	6.2%	< 1	100%	80%	120%						

Comments: Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.

Certified By:

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.

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Quality Assurance

CLIENT NAME: PARSONS

PROJECT: 10-12832

SAMPLING SITE:

AGAT WORK ORDER: 22C979363

ATTENTION TO: Michelle Patterson

SAMPLED BY:Tyler Wiens

Trace Organics Analysis

RPT Date:			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized)															
Benzene	4301	4613253	0.878	0.889	1.2%	< 0.005	79%	60%	140%	85%	60%	140%	102%	60%	140%
Toluene	4301	4613253	0.38	0.37	2.7%	< 0.05	84%	60%	140%	88%	60%	140%	74%	60%	140%
Ethylbenzene	4301	4613253	2.33	2.44	4.6%	< 0.01	85%	60%	140%	98%	60%	140%	121%	60%	140%
Xylenes	4301	4613253	4.78	5.06	5.7%	< 0.05	81%	60%	140%	83%	60%	140%	87%	60%	140%
C6 - C10 (F1)	4301	4613253	160	150	6.5%	< 10	86%	60%	140%	69%	60%	140%	138%	60%	140%
C10 - C16 (F2)	7338	4605313	<10	<10	NA	< 10	96%	60%	140%	105%	60%	140%	105%	60%	140%
C16 - C34 (F3)	7338	4605313	15	17	NA	< 10	98%	60%	140%	105%	60%	140%	106%	60%	140%
C34 - C50 (F4)	7338	4605313	<10	<10	NA	< 10	100%	60%	140%	98%	60%	140%	95%	60%	140%

Comments: Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.
The sample spikes and dups are not from the same sample ID.

Naphthalene Analysis - Soil (Alberta)															
Naphthalene	4494	4605313	<0.005	<0.005	NA	< 0.005	98%	50%	140%	91%	50%	140%	87%	50%	140%

Comments: Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.
The sample spikes and dups are not from the same sample ID.

Volatile Organic Compounds in Soil (Methanol Field Stabilized) - 1,2-DBA, 1,2-DCA															
1,2-Dibromoethane	3256	4453	< 0.01	< 0.01	NA	< 0.01	105%	50%	140%	113%	60%	130%	118%	50%	140%
1,2-Dichloroethane	3256	4453	< 0.002	< 0.002	NA	< 0.002	80%	50%	140%	98%	60%	130%	62%	50%	140%

Comments: Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.
The sample spikes and dups are not from the same sample ID.

Certified By: Elena Gorobets

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Results relate only to the items tested. Results apply to samples as received.

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Method Summary

CLIENT NAME: PARSONS

AGAT WORK ORDER: 22C979363

PROJECT: 10-12832

ATTENTION TO: Michelle Patterson

SAMPLING SITE:

SAMPLED BY:Tyler Wiens

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Sieve Analysis - 75 microns	SOIL 0540; SOIL 0110	KROETSCH 2007; SHEPPARD 2007	SIEVE
Trace Organics Analysis			
Naphthalene	TO 0210	EPA SW-846 3570 & 8270	GC/MS
p-Terphenyl-d14 (PAH)	TO 0210	EPA SW-846 3570 & 8270	GC/MS
p-Naphthalene-d8 (PAH)	TO-0210	EPA SW-846 3570 & 8270	GC/MS
P_Pyrene-d10 (PAH)	TO-0210	EPA SW-846 3570 & 8270	GC/MS
B[a]P TPE		CCME	GC/MS
IACR (Coarse Soil)		CCME	GC/MS
IACR (Fine Soil)		CCME	GC/MS
Benzene	TO-0543	EPA SW-846 5021 & 8260	GC/MS
Toluene	TO-0543	EPA SW-846 5021 & 8260	GC/MS
Ethylbenzene	TO-0543	EPA SW-846 5021 & 8260	GC/MS
Xylenes	TO-0543	EPA SW-846 5021 & 8260	GC/MS
C6 - C10 (F1)	TO-0543	CCME Tier 1 Method	GC/FID
C6 - C10 (F1 minus BTEX)	TO-0543	CCME Tier 1 Method	GC/FID
C10 - C16 (F2)	TO-0560	CCME Tier 1 Method	GC/FID
C16 - C34 (F3)	TO-0560	CCME Tier 1 Method	GC/FID
C34 - C50 (F4)	TO-0560	CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	TO-0560	CCME Tier 1 Method	GC/FID
Moisture Content	TO-0560	CCME Tier 1 Method	GC/FID
Toluene-d8 (BTEX)	TO-0543	EPA SW-846 5021 & 8260	GC/MS
o-Terphenyl (F2-F4)	TO 0560	CCME Tier 1 Method	GC/FID
1,2-Dibromoethane	TO-0330	EPA SW-846 8260	GC/MS
1,2-Dichloroethane	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Toluene-d8	TO-0330	EPA SW-846 5030 & 8260	GC/MS

Results relate only to the items tested. Results apply to samples as received.

AGAT Laboratories

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Laboratory Use Only
Arrival Temperature: 2 C
AGAT Job Number: 22C977363
Date and Time: 9 DEC '22 AM 9:08

Chain of Custody Record

Emergency Support Services Hotline 1-855-AGAT 245 (1-855-242-8245)

Report Information
Company: PARSONS
Contact: Michelle Patterson
Address: #100, 318 – 11 Ave SE, Calgary AB T2G 0Y2
Phone: (403)294-4215 Fax: (403)294-4240
LSD: 1624 – 14th Street NW, Calgary, AB
Client Project #: 10-12832
Sampled By: Tyler Wiens
Outlet #: 9445

Report Information
1. Name: Michelle Patterson
Email: michelle.patterson@parsons.com
2. Name: Calgary Lab Report
Email: Calgary.labreport@parsons.com
3. Name:
Email:

Turnaround Time Required (TAT)
Regular TAT ☑ 5 to 7 Business Days
Rush TAT ☐ <24 Hours (200%) ☐ Two Day / Next Day (100%) ☐ Three Day (50%) ☐ Four Day (25%)
Date Required:

SEE BACK FOR SURCHARGE BREAKDOWN. CONTACT YOUR CPM FOR ADDITIONAL INFORMATION

Invoice To Same Yes ☑ / No ☐
Company: PARSONS
Contact: Michelle Patterson
Address:
Phone: Fax:
PO/AFE#: 478092.17100

Requirements *(Selection may impact detection limits)*
☐ CCME ☑ AB Tier 1
☐ Agricultural ☐ Agricultural
☐ Industrial ☐ Industrial
☐ Residential/Park ☑ Residential/Park
☐ Commercial ☐ Commercial
☐ FWAL ☐ Natural Area
☐ Drinking Water ☐ Alberta Surface Water
☐ Other: ☐ Chronic ☐ Acute

Number of Jars used & not submitted

Activity
Assessement
A1 ☐ A2 ☐
AR ☐ AV ☑
Remediation
RE ☐ RX ☐
RI ☐ RA ☐
Containement Management
M ☐ MW☐
MV ☐

LABORATORY USE (LAB ID #)		SAMPLE IDENTIFICATION	DEPTH	DATE/TIME SAMPLED	SAMPLE MATRIX	COMMENTS (FILTERED, PRESERVED, HAZARDOUS*) *ADDITIONAL FEE	# OF CONTAINERS VIALS / JARS	BAGS	BOTTLES	Detailed Salinity: ☐AB ☐SK ☐BC ☐D50	☒CCME/AB : BTEX/F1-F4 ☒CCME/AB : BTEX /F1-F2	☐BC: BTEXS/VPH/EPH ☐BC: LEPH/HEPH	SK: BTEX/TVH/C11-C22, C23-C60	Soil Metals: ☐HWS-B ☐SP-B ☐Hg ☐Cr^{6+}	Water Metals: ☐Dissolved ☐Total ☐Hg ☐Cr^{6+}	Routine Water Chemistry	Landfill: ☐AB Class 2 ☐BC ☐SK	Coliforms: ☐Total ☐Fecal ☐E.coli	Particle Size: ☒Sieve (75µm) ~~☐Texture~~	1,2 Dichloroethane	1,2 Dibromoethane	Naphthalene				HOLD FOR 30 DAYS NO ANALYSIS (Additional Fee)	HOLD FOR 30 DAYS AFTER ANALYSIS (Additional Fee)
1		SV500-1.2	1.2	Dec 8, 22 15:00	Soil		4	1			X							X	X	X	X						
2		SV501-1.2	1.2	15:05	Soil		4				X								X	X	X						
3		SV502-1.2	1.2	15:10	Soil		4				X								X	X	X						
4		DUP-01	1.2	15:10	Soil		4				X								X	X	X						
5		SV503-1.2	1.2	15:15	Soil		4				X								X	X	X						
6		SV504-1.2	1.2	15:20	Soil		4				X								X	X	X						
7		SV505-1.2	1.2	Dec 8, 22 15:25	Soil		4	1			X							X	X	X	X						
8																											
9																											
10																											

Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time
Tyler Wiens	Dec 8, 2022 16:00	Ian Cruz	12/9/22
Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time
Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time

Pink Copy - Client
Yellow Copy - AGAT
White Copy- AGAT

Page 1 of 1
N°: AB

Document ID: DIV-50-1507/007
Date Revised: Apr 20, 2021

AGAT Laboratories

SAMPLE INTEGRITY RECEIPT FORM

RECEIVING BASICS - Shipping

Company/Consultant: Parsons

Courier: DIO Prepaid Collect

Waybill#

Branch: EDM GP FN FM RD VAN LYD FSJ EST SASK Other: C

If multiple sites were submitted at once: Yes No

Custody Seal Intact: Yes No NA

TAT: <24hr 24-48hr 48-72hr Reg Other

Cooler Quantity: 1 Large

TIME SENSITIVE ISSUES - Shipping

ALREADY EXCEEDED HOLD TIME? Yes No

Inorganic Tests (Please Circle): Mibi , BOD , Nitrate/Nitrite , Turbidity , Color , Microtox , Ortho PO4 , Tedlar Bag , Residual Chlorine , Chlorophyll* , Chloroamines*

Earliest Expiry:

Hydrocarbons: Earliest Expiry

SAMPLE INTEGRITY - Shipping

Hazardous Samples: YES NO Precaution Taken:

Legal Samples: Yes No

International Samples: Yes No

Tape Sealed: Yes No

Coolant Used: Icepack Bagged Ice Free Ice Free Water None

Temperature (Bottles/Jars only) N/A if only Soil Bags Received

FROZEN (Please Circle if samples received Frozen)

1 (Bottle/Jar) 2 + 2 + 2 = 2 °C 2(Bottle/Jar)__+__+__=__ °C

3 (Bottle/Jar)__+__+__=__ °C 4 (Bottle/Jar)__+__+__=__ °C

5 (Bottle/Jar)__+__+__=__ °C 6 (Bottle/Jar)__+__+__=__ °C

7 (Bottle/Jar)__+__+__=__ °C 8 (Bottle/Jar)__+__+__=__ °C

9 (Bottle/Jar)__+__+__=__ °C 10 (Bottle/Jar)__+__+__=__ °C

(If more than 10 coolers are received use another sheet of paper and attach)

LOGISTICS USE ONLY

Workorder No: 22C97936 3

Samples Damaged: Yes No If YES why?

No Bubble Wrap Frozen Courier

Other:

Account Project Manager: _____ have they been notified of the above issues: Yes No

Whom spoken to: _____ Date/Time: _____

CPM Initial_____

General Comments:

* Subcontracted Analysis (See CPM)

Date issued: March 11, 2020
Document ID: SR-9505.004

APPENDIX D

QUALITY ASSURANCE AND QUALITY CONTROL – SOIL (SV500 TO SV505)

TABLE D-1

RELATIVE PERCENT DIFFERENCE CALCULATIONS - SOIL FIELD DUPLICATE SAMPLES
PETROLEUM HYDROCARBON PARAMETERS

SAMPLE LOCATIONS	SV502-1.2		DUP-01 FIELD DUPLICATE SV502-1.2			
AGAT Certificate of Analysis No.	22C979363	RDL	22C979363	RDL	RPD	RPD ALERT LIMITS (%)[a]
AGAT Sample ID	4605314		4605315			
Depth (mbgs)	1.2		1.2			
Date Sampled (yyyy/mm/dd)	2022/12/08		2022/12/08			
PARAMETERS						
Benzene	<0.005	0.005	<0.005	0.005	NC	100
Toluene	<0.05	0.05	<0.05	0.05	NC	100
Ethylbenzene	<0.01	0.01	<0.01	0.01	NC	100
Total Xylenes	<0.05	0.05	<0.05	0.05	NC	100
Petroleum Hydrocarbons F1 (C6-C10)[b]	<10	10	<10	10	NC	100
Petroleum Hydrocarbons F2 (>C10-C16)[c]	<10	10	<10	10	NC	100
Petroleum Hydrocarbons F3 (>C16-C34)[d]	43	10	52	10	NC	100
Petroleum Hydrocarbons F4 (>C34-C50)	40	10	27	10	NC	100

a - Alert limits used for field duplicate samples.
b - BTEX have been subtracted from the fraction.
c - Naphthalene has not been subtracted from the fraction.
d - PAHs have not been subtracted from the fraction.
NC - Not calculated.
RDL - Reportable Detection Limit.
RPD - Relative Percent Difference (not calculated when one or both results are less than 5X RDL).
mbgs - metres below ground surface
BOLD - Exceeds RPD alert limit.
Results for all parameters are reported in milligrams per kilogram (mg/kg) on a dry weight basis.

TABLE D-2

RELATIVE PERCENT DIFFERENCE CALCULATIONS - SOIL FIELD DUPLICATE SAMPLES
VOLATILE ORGANIC COMPOUNDS

SAMPLE LOCATIONS	SV502-1.2		DUP-01 FIELD DUPLICATE SV502-1.2			
AGAT Certificate of Analysis No.	22C979363	RDL	22C979363	RDL	RPD	RPD ALERT LIMITS (%)[a]
AGAT Sample ID	4605314		4605315			
Depth (mbgs)	1.2		1.2			
Date Sampled (yyyy/mm/dd)	2022/12/08		2022/12/08			
PARAMETERS						
1,2-dibromoethane	<0.01	0.01	<0.01	0.01	NC	100
1,2-dichloroethane	<0.002	0.002	<0.002	0.002	NC	100
Naphthalene	<0.005	0.005	<0.005	0.005	NC	100

a - Alert limits used for field duplicate samples.

NC - Not calculated.

RDL - Reportable Detection Limit.

RPD - Relative Percent Difference (not calculated when one or both results are less than 5X RDL).

mbgs - metres below ground surface

BOLD - Exceeds RPD alert limit.

Results for all parameters are reported in milligrams per kilogram (mg/kg) on a dry weight basis.

APPENDIX E

GROUNDWATER MONITORING DATA
(REPRODUCED FROM CLIFTON, 2022d)

Table 1A: Summary of Well Monitoring

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
BH1901	5	Monitoring well has been removed from monitoring and sampling program as it has always had non-detectable concentrations and is not required for delineation.									
		26-May-20	1090.30	1090.44	23.68	-	14.10	0.00	14.24	1076.20	0/0
		3-Jan-20	1090.30	1090.44	23.69	-	14.10	0.00	14.24	1076.20	0/0
		2-May-19	1090.30	1090.44	23.69	-	14.24	0.00	14.38	1076.07	0/0
		7-Nov-18	1090.30	1090.44	23.69	-	14.26	0.00	14.40	1076.05	0/0
		19-Mar-18	1090.30	1090.44	23.70	-	14.26	0.00	14.40	1076.05	0/0
		7-Sep-17	1090.30	1090.44	23.66	-	14.27	0.00	14.41	1076.03	0/0
		26-Apr-17	1090.30	1090.44	23.70	-	14.17	0.00	14.31	1076.14	0/0
		24-Feb-17	1090.30	1090.44	23.67	-	14.22	0.00	14.36	1076.07	0/3
		31-Oct-16	1090.30	1090.44	23.70	-	14.17	0.00	14.31	1076.13	0/1
		17-Aug-16	1090.30	1090.44	23.67	-	14.16	0.00	14.30	1076.14	20/0
		4-May-16	1090.30	1090.44	23.92	-	14.26	0.00	14.40	1076.04	0/1
		16-Feb-16	1090.30	1090.44	23.67	-	14.26	0.00	14.40	1076.04	0/0
		9-Nov-15	1090.30	1090.44	23.88	-	14.17	0.00	14.31	1076.13	0/0
		1-Sep-15	1090.30	1090.44	23.67	-	14.16	0.00	14.30	1076.14	0/1
		9-Jun-15	1090.30	1090.44	24.06	-	14.23	0.00	14.37	1076.07	0/1
		23-Feb-15	1090.30	1090.44	23.24	-	14.14	0.00	14.28	1076.16	10/2
BH1902	5	Monitoring well has been removed from monitoring and sampling program as it has always had non-detectable concentrations and is not required for delineation.									
		29-May-20	1089.74	1089.92	30.00	-	13.97	0.00	14.15	1075.77	0/0
		3-Jan-20	1089.74	1089.92	29.96	-	13.97	0.00	14.15	1075.77	0/0
		2-May-19	1089.74	1089.92	29.96	-	14.09	0.00	14.27	1075.66	0/0
		7-Nov-18	1089.74	1089.92	29.96	-	14.07	0.00	14.25	1075.68	0/0
		19-Mar-18	1089.74	1089.92	29.97	-	14.12	0.00	14.30	1075.62	0/0
		7-Sep-17	1089.74	1089.92	29.99	-	14.14	0.00	14.32	1075.61	35/0
		26-Apr-17	1089.74	1089.92	29.97	-	14.02	0.00	14.20	1075.72	0/1
		24-Feb-17	1089.74	1089.92	30.01	-	14.08	0.00	14.26	1075.66	0/2
		31-Oct-16	1089.74	1089.92	29.97	-	14.03	0.00	14.21	1075.72	0/1
		17-Aug-16	1089.74	1089.92	29.98	-	14.06	0.00	14.24	1075.68	10/0
		4-May-16	1089.74	1089.92	30.21	-	14.12	0.00	14.30	1075.62	30/0
		16-Feb-16	1089.74	1089.92	30.10	-	14.04	0.00	14.22	1075.70	50/1
		9-Nov-15	1089.74	1089.92	30.27	-	14.03	0.00	14.21	1075.71	1,750/1
		1-Sep-15	1089.74	1089.92	30.33	-	14.02	0.00	14.20	1075.72	>11,100/2
		9-Jun-15	1089.74	1089.92	30.40	-	14.09	0.00	14.27	1075.65	11,100/100
		18-Feb-15	1089.74	1089.92	29.69	-	14.03	0.00	14.21	1075.71	11,100/10
BH1903	5	Monitoring well has been removed from monitoring and sampling program as it has always had non-detectable concentrations and is not required for delineation.									
		29-May-20	1090.32	1090.42	26.49	-	12.86	0.00	12.96	1077.46	0/0
		3-Jan-20	1090.32	1090.42	26.48	-	12.87	0.00	12.97	1077.46	0/0
		2-May-19	1090.32	1090.42	26.48	-	13.07	0.00	13.17	1077.26	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		7-Nov-18	1090.32	1090.42	26.48	-	12.94	0.00	13.04	1077.38	0/0
		19-Mar-18	-	-	-	-	-	-	-	-	Could Not Locate
		7-Sep-17	1090.32	1090.42	26.46	-	13.10	0.00	13.20	1077.22	25/0
		26-Apr-17	1090.32	1090.42	26.50	-	12.99	0.00	13.09	1077.33	0/1
		24-Feb-17	1090.32	1090.42	26.71	-	12.99	0.00	13.09	1077.33	0/0
		31-Oct-16	1090.32	1090.42	26.49	-	13.01	0.00	13.11	1077.31	0/0
		17-Aug-16	1090.32	1090.42	26.50	-	12.99	0.00	13.09	1077.33	30/0
		4-May-16	1090.32	1090.42	26.81	-	13.08	0.00	13.17	1077.25	5/0
		16-Feb-16	1090.32	1090.42	26.53	-	12.98	0.00	13.08	1077.34	0/1
		12-Nov-15	1090.32	1090.42	26.88	-	12.93	0.00	13.03	1077.39	0/1
		1-Sep-15	1090.32	1090.42	26.83	-	12.95	0.00	13.05	1077.37	20/3
		9-Jun-15	1090.32	1090.42	26.83	-	12.99	0.00	13.09	1077.33	15/1
		19-Mar-15	1090.32	1090.42	26.63	-	12.97	0.00	13.07	1077.35	55/4
BH1904	3	16-Jun-22	1090.49	1090.58	16.34	-	10.13	0.00	10.22	1080.36	20/1
		20-Sep-21	1090.49	1090.58	16.35	-	10.27	0.00	10.36	1080.23	0/0
		27-Nov-20	1090.49	1090.58	16.36	-	10.23	0.00	10.32	1080.26	0/0
		27-May-20	1090.49	1090.58	16.35	-	10.33	0.00	10.42	1080.16	0/0
		3-Jan-20	1090.49	1090.58	16.35	-	10.30	0.00	10.39	1080.19	0/0
		2-May-19	1090.49	1090.58	16.35	-	10.48	0.00	10.56	1080.02	0/0
		7-Nov-18	1090.49	1090.58	16.35	-	10.48	0.00	10.56	1080.02	0/0
		19-Mar-18	1090.49	1090.58	16.39	-	10.42	0.00	10.51	1080.07	10/1
		7-Sep-17	1090.49	1090.58	16.38	-	10.36	0.00	10.45	1080.13	10/0
		26-Apr-17	1090.49	1090.58	16.39	-	10.26	0.00	10.35	1080.23	25/1
		24-Feb-17	1090.49	1090.58	16.40	-	10.38	0.00	10.47	1080.11	0/3
		31-Oct-16	1090.49	1090.58	16.39	-	10.18	0.00	10.27	1080.31	0/1
		17-Aug-16	1090.49	1090.58	16.36	-	10.36	0.00	10.45	1080.13	1/0
		4-May-16	1090.49	1090.58	16.43	-	10.28	0.00	10.38	1080.20	5/1
		16-Feb-16	1090.49	1090.58	16.42	-	10.22	0.00	10.31	1080.26	20/1
		9-Nov-15	1090.49	1090.58	16.60	-	10.28	0.00	10.37	1080.21	0/1
		1-Sep-15	1090.49	1090.58	16.39	-	10.24	0.00	10.33	1080.25	0/2
		9-Jun-15	1090.49	1090.58	16.54	-	10.32	0.00	10.41	1080.16	25/9
		12-Mar-15	1090.49	1090.58	15.90	-	10.28	0.00	10.37	1080.21	-
		24-Feb-15	1090.49	1090.58	15.51	-	10.18	0.00	10.27	1080.31	110/43
BH1905	1	16-Jun-22	1090.43	1090.57	5.51	-	3.83	0.00	3.97	1086.60	5/7
		20-Sep-21	1090.43	1090.57	5.55	-	3.63	0.00	3.77	1086.80	0/8
		26-Nov-20	1090.43	1090.57	5.60	-	3.83	0.00	3.97	1086.60	1300/248
		1-Jun-20	1090.43	1090.57	5.68	-	3.89	0.00	4.03	1086.54	165/77
		3-Jan-20	1090.43	1090.57	5.74	-	4.00	0.00	4.13	1086.44	310/147
		2-May-19	1090.43	1090.57	5.64	-	4.41	0.00	4.55	1086.02	310/147
		7-Nov-18	1090.43	1090.57	5.64	-	4.24	0.00	4.38	1086.19	550/166

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		19-Mar-18	1090.43	1090.57	5.55	-	4.40	0.00	4.54	1086.03	1,060/471
		7-Sep-17	1090.43	1090.57	5.54	-	4.13	0.00	4.27	1086.30	>11,100/>2,000
		26-Apr-17	1090.43	1090.57	5.59	-	4.24	0.00	4.38	1086.19	1,800/950
		24-Feb-17	1090.43	1090.57	5.59	-	4.33	0.00	4.47	1086.10	520/350
		31-Oct-16	1090.43	1090.57	5.75	-	4.00	0.00	4.14	1086.43	650/587
		17-Aug-16	1090.43	1090.57	5.73	-	4.12	0.00	4.26	1086.31	620/500
		4-May-16	1090.43	1090.57	5.72	-	4.37	0.00	4.51	1086.06	1,300/1,235
		16-Feb-16	1090.43	1090.57	5.74	-	4.23	0.00	4.37	1086.21	350/375
		9-Nov-15	1090.43	1090.57	5.80	-	4.06	0.00	4.20	1086.37	155/210
		1-Sep-15	1090.43	1090.57	5.83	-	4.02	0.00	4.16	1086.41	590/511
		9-Jun-15	1090.43	1090.57	5.91	-	4.29	0.00	4.42	1086.15	2,000/>2,000
		24-Feb-15	1090.43	1090.57	5.93	-	4.15	0.00	4.29	1086.28	570/443
BH1906	3	31-May-22	1090.95	1091.03	18.65	-	11.76	0.00	11.84	1079.19	25/14
		8-Nov-21	1090.95	1091.03	18.70	-	11.74	0.00	11.82	1079.21	35/12
		7-Jun-21	1090.95	1091.03	18.75	-	11.63	0.00	11.71	1079.32	50/55
		2-Nov-20	1090.95	1091.03	19.10	-	11.77	0.00	11.85	1079.18	120/112
		26-May-20	1090.95	1091.03	19.17	-	11.76	0.00	11.84	1079.19	0/78
		14-Nov-19	1090.95	1091.03	19.22	-	11.85	0.00	11.93	1079.10	35/74
		8-May-19	1090.95	1091.03	19.24	-	12.04	0.00	12.12	1078.91	35/74
		9-Oct-18	1090.95	1091.03	19.24	-	12.07	0.00	12.15	1078.88	110/54
		20-Mar-18	1090.95	1091.03	19.23	-	11.91	0.00	11.99	1079.04	330/130
		5-Sep-17	1090.95	1091.03	19.23	-	11.96	0.00	12.04	1078.99	450/231
		1-May-17	1090.95	1091.03	19.25	-	11.85	0.00	11.93	1079.10	200/50
		16-Feb-17	1090.95	1091.03	19.24	-	11.69	0.00	11.77	1079.26	350/200
		27-Oct-16	1090.95	1091.03	19.24	-	11.76	0.00	11.84	1079.19	520/310
		16-Aug-16	1090.95	1091.03	19.26	-	11.83	0.00	11.91	1079.12	350/200
		4-May-16	1090.95	1091.03	19.24	-	11.80	0.00	11.88	1079.15	380/257
		16-Feb-16	1090.95	1091.03	19.26	-	11.80	0.00	11.88	1079.15	840/301
		9-Nov-15	1090.95	1091.03	19.43	-	11.83	0.00	11.91	1079.12	320/240
		1-Sep-15	1090.95	1091.03	19.28	-	11.78	0.00	11.86	1079.17	850/329
		9-Jun-15	1090.95	1091.03	19.32	-	11.85	0.00	11.93	1079.10	510/250
		6-Apr-15	1090.95	1091.03	19.39	-	11.80	0.00	11.88	1079.15	-
		25-Feb-15	1090.95	1091.03	18.54	-	11.95	0.00	12.03	1079.00	280/128
BH1907	3	31-May-22	1090.14	1090.22	15.16	-	11.03	0.00	11.11	1079.11	5300/>2000
		8-Nov-21	1090.14	1090.22	15.32	-	11.03	0.00	11.12	1079.11	970/857
		7-Jun-21	1090.14	1090.22	16.34	-	10.95	0.00	11.04	1079.18	60/6
		2-Nov-20	1090.14	1090.22	16.35	-	11.02	0.00	11.11	1079.11	10200/2002
		6-May-20	1090.14	1090.22	16.35	-	11.19	0.00	11.27	1078.95	>11,100/570
		14-Nov-19	1090.14	1090.22	16.35	-	11.26	0.00	11.34	1078.88	>11,100/850
		8-May-19	1090.14	1090.22	16.46	-	11.44	0.00	11.52	1078.70	>11,100/725

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		9-Oct-18	1090.14	1090.22	16.46	-	11.44	0.00	11.52	1078.70	60/41
		20-Mar-18	1090.14	1090.22	16.90	-	11.40	0.00	11.48	1078.74	>11,100/>2,000
		5-Sep-17	1090.14	1090.22	16.59	-	11.36	0.00	11.45	1078.78	>11,100/>2,000
		1-May-17	1090.14	1090.22	16.87	-	11.31	0.00	11.40	1078.83	>11,100/>2,000
		16-Feb-17	1090.14	1090.22	16.92	-	11.29	0.00	11.38	1078.85	>11,100/>5,000
		27-Oct-16	1090.14	1090.22	17.18	-	11.23	0.00	11.31	1078.91	>11,000/1,711
		16-Aug-16	1090.14	1090.22	17.19	-	11.29	0.00	11.38	1078.85	>11,100/>2,000
		4-May-16	1090.14	1090.22	16.26	-	11.26	0.00	11.34	1078.88	>11,100/>2,000
		17-Feb-16	1090.14	1090.22	16.28	-	11.18	0.00	11.27	1078.96	>11,100/>2,000
		9-Nov-15	1090.14	1090.22	16.40	-	11.26	0.00	11.34	1078.88	830/809
		1-Sep-15	1090.14	1090.22	16.45	-	11.21	0.00	11.30	1078.93	>11,100/>2,000
		9-Jun-15	1090.14	1090.22	16.78	-	11.28	0.00	11.37	1078.85	>11,100/>2,000
		28-Apr-15	1090.14	1090.22	18.10	-	11.21	0.00	11.29	1078.93	11,100/2,000
		25-Feb-15	1090.14	1090.22	17.51	-	11.22	0.00	11.31	1078.91	660/460
BH1908	3	31-May-22	1089.44	1089.55	15.40	-	10.67	0.00	10.78	1078.77	95/72
		8-Nov-21	1089.44	1089.55	15.48	-	10.66	0.00	10.77	1078.78	170/132
		7-Jun-21	1089.44	1089.55	15.48	-	10.63	0.00	10.74	1078.81	410/213
		2-Nov-20	1089.44	1089.55	15.51	-	10.62	0.00	10.73	1078.82	630/446
		6-May-20	1089.44	1089.55	15.50	-	10.74	0.00	10.85	1078.70	300/50
		14-Nov-19	1089.44	1089.55	15.55	-	10.80	0.00	10.91	1078.64	350/174
		8-May-19	1089.44	1089.55	15.58	-	10.96	0.00	11.07	1078.48	350/174
		9-Oct-18	1089.44	1089.55	15.58	-	10.96	0.00	11.07	1078.48	210/95
		20-Mar-18	1089.44	1089.55	15.60	-	10.90	0.00	11.01	1078.54	930/380
		5-Sep-17	1089.44	1089.55	15.57	-	10.90	0.00	11.00	1078.54	390/221
		1-May-17	1089.44	1089.55	15.59	-	10.84	0.00	10.95	1078.60	300/130
		16-Feb-17	1089.44	1089.55	15.64	-	10.84	0.00	10.95	1078.60	300/150
		27-Oct-16	1089.44	1089.55	15.78	-	10.81	0.00	10.92	1078.63	250/200
		16-Aug-16	1089.44	1089.55	15.73	-	10.83	0.00	10.93	1078.61	188/104
		4-May-16	1089.44	1089.55	14.98	-	10.79	0.00	10.90	1078.65	1,200/628
		17-Feb-16	1089.44	1089.55	15.03	-	10.74	0.00	10.85	1078.70	1,800/954
		9-Nov-15	1089.44	1089.55	15.12	-	10.79	0.00	10.90	1078.65	450/382
		1-Sep-15	1089.44	1089.55	15.04	-	10.77	0.00	10.88	1078.67	1,600/754
		9-Jun-15	1089.44	1089.55	15.04	-	10.85	0.00	10.96	1078.59	200/149
		23-Apr-15	1089.44	1089.55	16.00	-	10.76	0.00	10.87	1078.68	1,450/1,000
		24-Feb-15	1089.44	1089.55	16.80	-	10.73	0.00	10.84	1078.71	0/1
BH1909	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		14-Nov-19	1089.48	1089.56	7.29	-	-	0.00	-	-	0/0 (DRY)
		8-May-19	1089.48	1089.56	7.29	-	-	0.00	-	-	0/0 (DRY)
		9-Oct-18	1089.48	1089.56	7.29	-	-	0.00	-	-	0/0 (DRY)
		20-Mar-18	1089.48	1089.56	7.28	-	-	0.00	-	-	0/0 (DRY)

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		5-Sep-17	1089.48	1089.56	7.27	-	-	0.00	-	-	15/0 (DRY)
		1-May-17	1089.48	1089.56	7.28	-	-	0.00	-	-	30/0 (DRY)
		21-Feb-17	1089.48	1089.56	7.28	-	-	0.00	-	-	30/0 (DRY)
		27-Oct-16	1089.48	1089.56	7.25	-	-	0.00	-	-	50/0 (DRY)
		16-Aug-16	1089.48	1089.56	7.26	-	-	0.00	-	-	0/0 (DRY)
		4-May-16	1089.48	1089.56	7.27	-	-	0.00	-	-	15/0 (DRY)
		17-Feb-16	1089.48	1089.56	7.24	-	-	0.00	-	-	0/0 (DRY)
		9-Nov-15	1089.48	1089.56	7.25	-	-	0.00	-	-	0/1 (DRY)
		1-Sep-15	1089.48	1089.56	7.25	-	-	0.00	-	-	0/1 (DRY)
		9-Jun-15	1089.48	1089.56	7.27	-	-	0.00	-	-	10/0 (DRY)
		24-Feb-15	1089.48	1089.56	7.25	-	-	0.00	-	-	0/0 (DRY)
BH1910	3	31-May-22	1090.08	1090.23	17.68	-	11.32	0.00	11.47	1078.75	45/13
		8-Nov-21	1090.08	1090.23	17.69	-	11.31	0.00	11.46	1078.76	40/7
		7-Jun-21	1090.08	1090.23	17.70	-	11.21	0.00	11.36	1078.87	0/10
		2-Nov-20	1090.08	1090.23	17.72	-	11.27	0.00	11.42	1078.81	10/2
		6-May-20	1090.08	1090.23	17.73	-	11.36	0.00	11.51	1078.72	0/3
		14-Nov-19	1090.08	1090.23	17.79	-	11.46	0.00	11.60	1078.62	0/0
		8-May-19	1090.08	1090.23	17.86	-	11.64	0.00	11.79	1078.44	0/0
		9-Oct-18	1090.08	1090.23	17.86	-	11.67	0.00	11.81	1078.41	0/0
		20-Mar-18	1090.08	1090.23	17.80	-	11.56	0.00	11.71	1078.52	0/0
		5-Sep-17	1090.08	1090.23	17.79	-	11.60	0.00	11.74	1078.48	0/1
		1-May-17	1090.08	1090.23	17.80	-	11.49	0.00	11.63	1078.59	0/1
		16-Feb-17	1090.08	1090.23	17.84	-	11.40	0.00	11.55	1078.68	0/1
		27-Oct-16	1090.08	1090.23	17.82	-	16.42	0.00	16.57	1073.65	0/1
		16-Aug-16	1090.08	1090.23	17.87	-	11.49	0.00	11.63	1078.59	40/2
		4-May-16	1090.08	1090.23	17.81	-	11.47	0.00	11.62	1078.61	0/6
		16-Feb-16	1090.08	1090.23	17.83	-	11.39	0.00	11.54	1078.69	0/1
		9-Nov-15	1090.08	1090.23	17.87	-	11.46	0.00	11.60	1078.62	25/8
		1-Sep-15	1090.08	1090.23	17.87	-	11.42	0.00	11.57	1078.66	-
		9-Jun-15	1090.08	1090.23	17.96	-	11.49	0.00	11.64	1078.59	85/27
		20-Apr-15	1090.08	1090.23	18.61	-	11.45	0.00	11.60	1078.63	5/1
		9-Apr-15	1090.08	1090.23	18.60	-	11.49	0.00	11.63	1078.59	0/1
		26-Feb-15	1090.08	1090.23	17.04	-	11.47	0.00	11.61	1078.61	2/3
BH1911	3	31-May-22	1092.86	1092.96	18.13	-	13.86	0.00	13.96	1079.00	25/0
		8-Nov-21	1092.86	1092.96	18.14	-	13.83	0.00	13.93	1079.03	20/2
		8-Jun-21	1092.86	1092.96	18.13	-	13.83	0.00	13.93	1079.03	55/1
		2-Nov-20	1092.86	1092.96	18.14	-	13.78	0.00	13.88	1079.08	55/24
		5-May-20	1092.86	1092.96	18.14	-	13.97	0.00	14.07	1078.88	55/24
		14-Nov-19	1092.86	1092.96	18.19	-	13.93	0.00	14.03	1078.93	0/0
		8-May-19	1092.86	1092.96	18.32	-	14.13	0.00	14.23	1078.73	35/90

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		9-Oct-18	1092.86	1092.96	18.32	-	14.16	0.00	14.26	1078.70	105/100
		20-Mar-18	1092.86	1092.96	18.64	-	14.06	0.00	14.16	1078.80	80/53
		5-Sep-17	1092.86	1092.96	18.20	-	14.06	0.00	14.16	1078.80	10/97
		1-May-17	1092.86	1092.96	18.21	-	13.93	0.00	14.03	1078.93	200/55
		16-Feb-17	1092.86	1092.96	18.20	-	13.81	0.00	13.91	1079.05	400/150
		27-Oct-16	1092.86	1092.96	18.19	-	13.85	0.00	13.95	1079.01	270/130
		16-Aug-16	1092.86	1092.96	18.19	-	13.90	0.00	14.00	1078.96	60/80
		4-May-16	1092.86	1092.96	18.18	-	13.89	0.00	13.99	1078.97	135/73
		17-Feb-16	1092.86	1092.96	18.22	-	13.82	0.00	13.92	1079.04	180/57
		9-Nov-15	1092.86	1092.96	18.48	-	13.91	0.00	14.01	1078.95	35/32
		1-Sep-15	1092.86	1092.96	18.22	-	13.84	0.00	13.94	1079.02	0/21
		9-Jun-15	1092.86	1092.96	18.24	-	13.94	0.00	14.04	1078.92	25/15
		8-Apr-15	1092.86	1092.96	17.64	-	13.90	0.00	14.00	1078.96	-
BH1912	3	24-Jun-22	1091.04	1091.09	20.82	-	10.49	0.00	10.54	1080.55	0/1
		16-Nov-21	1091.04	1091.09	20.80	-	10.46	0.00	10.51	1080.58	100/0
		16-Jun-21	1091.04	1091.09	20.82	-	10.58	0.00	10.63	1080.46	25/2
		6-Nov-20	1091.04	1091.09	20.82	-	10.59	0.00	10.64	1080.45	0/2
		25-May-20	1091.04	1091.09	20.87	-	10.70	0.00	10.76	1080.33	0/3
		9-Dec-19	1091.04	1091.09	20.85	-	10.72	0.00	10.77	1080.32	0/0
		30-Apr-19	1091.04	1091.09	21.11	-	10.84	0.00	10.89	1080.20	0/0
		29-Oct-18	1091.04	1091.09	21.11	-	10.79	0.00	10.85	1080.24	0/0
		5-Apr-18	1091.04	1091.09	21.16	-	10.89	0.00	10.94	1080.15	0/0
		13-Sep-17	1091.04	1091.09	20.89	-	10.75	0.00	10.80	1080.29	10/28
		17-May-17	1091.04	1091.09	20.89	-	10.76	0.00	10.81	1080.28	100/30
		24-Feb-17	1091.04	1091.09	20.91	-	10.78	0.00	10.83	1080.26	320/100
		3-Nov-16	1091.04	1091.09	20.92	-	10.64	0.00	10.69	1080.40	130/73
		17-Aug-16	1091.04	1091.09	20.93	-	10.70	0.00	10.75	1080.34	100/30
		10-May-16	1091.04	1091.09	20.68	-	10.78	0.00	10.83	1080.26	300/212
		16-Feb-16	1091.04	1091.09	20.93	-	10.62	0.00	10.67	1080.42	350/124
		12-Nov-15	1091.04	1091.09	20.69	-	10.64	0.00	10.70	1080.39	360/140
		8-Sep-15	1091.04	1091.09	21.08	-	10.64	0.00	10.69	1080.40	520/192
		17-Jun-15	1091.04	1091.09	21.24	-	9.75	0.00	9.80	1081.29	400/250
		9-Mar-15	1091.04	1091.09	20.21	-	10.57	0.00	10.62	1080.47	310/97
BH1913	2	24-Jun-22	1091.05	1091.11	10.15	-	5.04	0.00	5.10	1086.01	0/1
		16-Nov-21	1091.05	1091.11	10.17	-	5.08	0.00	5.14	1085.97	0/0
		16-Jun-21	1091.05	1091.11	10.16	-	5.88	0.00	5.94	1085.17	25/0
		6-Nov-20	1091.05	1091.11	10.15	-	5.43	0.00	5.49	1085.62	0/0
		25-May-20	1091.05	1091.11	10.17	-	6.18	0.00	6.23	1084.88	90/0
		9-Dec-19	1091.05	1091.11	10.19	-	5.90	0.00	5.96	1085.15	0/0
		30-Apr-19	1091.05	1091.11	10.24	-	6.59	0.00	6.64	1084.47	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		29-Oct-18	1091.05	1091.11	10.24	-	6.33	0.00	6.39	1084.72	0/0
		5-Apr-18	1091.05	1091.11	10.24	-	6.53	0.00	6.59	1084.52	0/0
		13-Sep-17	1091.05	1091.11	10.23	-	6.25	0.00	6.31	1084.80	0/0
		17-May-17	1091.05	1091.11	10.23	-	6.25	0.00	6.31	1084.80	0/0
		24-Feb-17	1091.05	1091.11	10.23	-	5.95	0.00	6.01	1085.10	10/3
		3-Nov-16	1091.05	1091.11	10.20	-	5.96	0.00	6.01	1085.10	0/0
		17-Aug-16	1091.05	1091.11	10.26	-	5.87	0.00	5.93	1085.18	5/0
		10-May-16	1091.05	1091.11	9.15	-	6.32	0.00	6.38	1084.73	5/0
		16-Feb-16	1091.05	1091.11	9.17	-	6.07	0.00	6.13	1084.98	10/0
		12-Nov-15	1091.05	1091.11	9.15	-	5.84	0.00	5.90	1085.22	15/0
		8-Sep-15	1091.05	1091.11	9.20	-	5.90	0.00	5.96	1085.15	0/5
		17-Jun-15	1091.05	1091.11	9.18	-	6.22	0.00	6.28	1084.83	0/1
		25-Feb-15	1091.05	1091.11	9.71	-	6.07	0.00	6.12	1084.99	0/0
BH1914	1	24-Jun-22	1091.03	1091.08	7.12	-	4.77	0.00	4.81	1086.27	0/0
		16-Nov-21	1091.03	1091.08	7.11	-	4.87	0.00	4.91	1086.17	0/0
		16-Jun-21	1091.03	1091.08	7.12	-	5.44	0.00	5.48	1085.60	15/0
		6-Nov-20	1091.03	1091.08	7.14	-	5.08	0.00	5.12	1085.96	0/0
		25-May-20	1091.03	1091.08	7.18	-	5.79	0.00	5.83	1085.25	0/0
		9-Dec-19	1091.03	1091.08	7.23	-	5.52	0.00	5.56	1085.52	0/0
		30-Apr-19	1091.03	1091.08	7.31	-	6.22	0.00	6.27	1084.81	0/0
		29-Oct-18	1091.03	1091.08	7.31	-	5.91	0.00	5.95	1085.12	0/0
		5-Apr-18	1091.03	1091.08	7.40	-	6.21	0.00	6.25	1084.83	0/0
		13-Sep-17	1091.03	1091.08	7.42	-	5.86	0.00	5.90	1085.17	0/0
		17-May-17	1091.03	1091.08	7.42	-	5.94	0.00	5.99	1085.09	0/0
		24-Feb-17	1091.03	1091.08	7.41	-	5.61	0.00	5.65	1085.43	0/3
		3-Nov-16	1091.03	1091.08	7.42	-	5.44	0.00	5.49	1085.59	0/0
		17-Aug-16	1091.03	1091.08	7.43	-	5.43	0.00	5.47	1085.60	5/0
		10-May-16	1091.03	1091.08	7.44	-	6.01	0.00	6.05	1085.02	5/0
		16-Feb-16	1091.03	1091.08	7.44	-	5.76	0.00	5.80	1085.27	0/0
		12-Nov-15	1091.03	1091.08	7.46	-	5.48	0.00	5.52	1085.55	0/0
		8-Sep-15	1091.03	1091.08	7.55	-	5.49	0.00	5.53	1085.54	0/2
		17-Jun-15	1091.03	1091.08	7.59	-	5.83	0.00	5.87	1085.20	0/1
		25-Feb-15	1091.03	1091.08	7.67	-	5.56	0.00	5.61	1085.47	0/0
BH1915	3	24-Jun-22	1091.06	1091.10	14.45	-	10.21	0.00	10.26	1080.84	716/1228
		16-Nov-21	1091.06	1091.10	14.54	-	10.35	0.00	10.39	1080.71	6950/1571
		16-Jun-21	1091.06	1091.10	13.71	-	10.35	0.00	10.39	1080.71	6950/1571
		6-Nov-20	1091.06	1091.10	13.70	-	10.39	0.00	10.44	1080.66	8500/1604
		25-May-20	1091.06	1091.10	13.73	-	10.43	0.00	10.47	1080.63	>11,100/872
		9-Dec-19	1091.06	1091.10	15.75	-	10.79	0.00	10.84	1080.26	8,400/123
		30-Apr-19	1091.06	1091.10	16.72	-	10.69	0.00	10.73	1080.37	8,400/123

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		29-Oct-18	1091.06	1091.10	16.72	-	10.54	0.00	10.58	1080.52	8,400/123
		5-Apr-18	1091.06	1091.10	17.57	-	10.53	0.00	10.57	1080.53	10,200/64
		13-Sep-17	1091.06	1091.10	18.61	-	10.51	0.00	10.55	1080.55	>11,100/>2,000
		17-May-17	1091.06	1091.10	18.61	-	10.51	0.00	10.56	1080.54	500/150
		24-Feb-17	1091.06	1091.10	17.58	-	10.51	0.00	10.55	1080.55	1,100/620
		3-Nov-16	1091.06	1091.10	18.67	-	10.73	0.00	10.78	1080.32	>11,100/1,717
		17-Aug-16	1091.06	1091.10	18.72	-	10.49	0.00	10.53	1080.57	>11,100/>2,000
		10-May-16	1091.06	1091.10	15.93	-	10.54	0.00	10.58	1080.52	>11,100/>2,000
		16-Feb-16	1091.06	1091.10	16.42	-	10.39	0.00	10.43	1080.67	>11,100/1,880
		12-Nov-15	1091.06	1091.10	16.65	-	10.44	0.00	10.49	1080.61	>11,100/895
		8-Sep-15	1091.06	1091.10	16.91	-	10.44	0.00	10.48	1080.62	>11,100/>2,000
		17-Jun-15	1091.06	1091.10	17.70	-	10.53	0.00	10.57	1080.53	>11,100/1,800
		25-Feb-15	1091.06	1091.10	18.53	-	10.51	0.00	10.55	1080.55	11,100/1,450
BH1916	1	24-Jun-22	1091.06	1091.12	6.80	-	4.83	0.00	4.89	1086.23	0/0
		16-Nov-21	1091.06	1091.12	6.79	-	4.80	0.00	4.86	1086.26	0/0
		16-Jun-21	1091.06	1091.12	6.79	-	5.80	0.00	5.85	1085.27	45/0
		6-Nov-20	1091.06	1091.12	6.80	-	5.35	0.00	5.41	1085.71	0/0
		25-May-20	1091.06	1091.12	6.80	-	6.29	0.00	6.34	1084.78	25/0
		9-Dec-19	1091.06	1091.12	6.79	-	5.74	0.00	5.79	1085.33	0/0
		30-Apr-19	1091.06	1091.12	6.80	-	6.68	0.00	6.74	1084.38	0/0
		29-Oct-18	1091.06	1091.12	6.83	-	6.40	0.00	6.45	1084.67	0/0
		5-Apr-18	1091.06	1091.12	6.83	-	6.59	0.00	6.64	1084.48	0/0
		13-Sep-17	1091.06	1091.12	6.82	-	6.31	0.00	6.37	1084.75	0/0
		17-May-17	1091.06	1091.12	6.82	-	6.24	0.00	6.29	1084.83	0/0
		24-Feb-17	1091.06	1091.12	6.81	-	5.33	0.00	5.39	1085.73	0/7
		3-Nov-16	1091.06	1091.12	6.79	-	5.50	0.00	5.56	1085.56	0/0
		17-Aug-16	1091.06	1091.12	6.78	-	5.62	0.00	5.67	1085.45	1/0
		10-May-16	1091.06	1091.12	6.79	-	6.36	0.00	6.41	1084.71	0/1
		16-Feb-16	1091.06	1091.12	6.80	-	5.98	0.00	6.03	1085.09	0/0
		12-Nov-15	1091.06	1091.12	6.88	-	5.64	0.00	5.70	1085.42	55/1
		8-Sep-15	1091.06	1091.12	6.77	-	5.70	0.00	5.76	1085.36	0/0
		17-Jun-15	1091.06	1091.12	6.79	-	6.21	0.00	6.27	1084.86	0/0
		23-Feb-15	1091.06	1091.12	6.79	-	5.82	0.00	5.88	1085.24	0/0
BH1917	3	31-May-22	1089.39	1089.55	15.97	-	12.55	0.00	12.70	1076.84	5/0
		8-Nov-21	1089.39	1089.55	15.96	-	12.50	0.00	12.66	1076.89	5/0
		8-Jun-21	1089.39	1089.55	15.98	-	12.49	0.00	12.64	1076.90	5/0
		2-Nov-20	1089.39	1089.55	15.98	-	12.44	0.00	12.60	1076.95	5/0
		6-May-20	1089.39	1089.55	15.97	-	12.57	0.00	12.73	1076.82	0/0
		13-Nov-19	1089.39	1089.55	16.01	-	12.57	0.00	12.73	1076.82	0/0
		8-May-19	1089.39	1089.55	16.04	-	12.73	0.00	12.89	1076.66	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		5-Oct-18	1089.39	1089.55	16.04	-	12.70	0.00	12.85	1076.69	0/0
		20-Mar-18	1089.39	1089.55	16.27	-	12.72	0.00	12.88	1076.67	0/0
		7-Sep-17	1089.39	1089.55	16.02	-	12.71	0.00	12.86	1076.68	5/0
		2-May-17	1089.39	1089.55	16.05	-	12.72	0.00	12.88	1076.67	5/0
		24-Feb-17	1089.39	1089.55	16.05	-	12.76	0.00	12.92	1076.62	10/0
		27-Oct-16	1089.39	1089.55	16.02	-	12.72	0.00	12.88	1076.67	35/1
		18-Aug-16	1089.39	1089.55	16.03	-	12.78	0.00	12.94	1076.61	0/0
		3-May-16	1089.39	1089.55	16.06	-	12.77	0.00	12.93	1076.62	15/1
		18-Feb-16	1089.39	1089.55	16.09	-	12.64	0.00	12.80	1076.75	0/1
		10-Nov-15	1089.39	1089.55	16.15	-	12.70	0.00	12.85	1076.69	5/1
		2-Sep-15	1089.39	1089.55	16.33	-	12.70	0.00	12.86	1076.69	0/0
		9-Jun-15	1089.39	1089.55	16.16	-	12.74	0.00	12.90	1076.64	0/0
		7-May-15	1089.39	1089.55	16.13	-	12.74	0.00	12.89	1076.65	0/0
BH1918	3	31-May-22	1087.23	1087.27	12.89	-	9.41	0.00	9.44	1077.83	45/1
		8-Nov-21	1087.23	1087.27	12.94	-	9.25	0.00	9.29	1077.98	85/1
		8-Jun-21	1087.23	1087.27	12.94	-	9.34	0.00	9.37	1077.90	40/0
		5-Nov-20	1087.23	1087.27	12.96	-	9.18	0.00	9.22	1078.05	0/0
		6-May-20	1087.23	1087.27	12.97	-	9.40	0.00	9.44	1077.83	0/0
		13-Nov-19	1087.23	1087.27	13.01	-	9.40	0.00	9.43	1077.83	0/0
		8-May-19	1087.23	1087.27	13.04	-	9.53	0.00	9.56	1077.71	0/0
		5-Oct-18	1087.23	1087.27	13.04	-	9.52	0.00	9.56	1077.71	0/0
		22-Mar-18	1087.23	1087.27	13.19	-	9.55	0.00	9.59	1077.68	0/0
		7-Sep-17	1087.23	1087.27	13.03	-	9.51	0.00	9.55	1077.72	0/0
		2-May-17	1087.23	1087.27	13.05	-	9.53	0.00	9.57	1077.70	35/0
		23-Feb-17	1087.23	1087.27	13.04	-	9.56	0.00	9.60	1077.67	70/0
		27-Oct-16	1087.23	1087.27	13.06	-	9.45	0.00	9.49	1077.78	0/0
		16-Aug-16	1087.23	1087.27	13.06	-	9.48	0.00	9.52	1077.75	0/1
		5-May-16	1087.23	1087.27	13.08	-	9.54	0.00	9.58	1077.69	0/0
		18-Feb-16	1087.23	1087.27	13.13	-	9.36	0.00	9.39	1077.88	15/0
		10-Nov-15	1087.23	1087.27	13.13	-	9.41	0.00	9.45	1077.82	10/0
		2-Sep-15	1087.23	1087.27	13.22	-	9.44	0.00	9.48	1077.79	0/0
		9-Jun-15	1087.23	1087.27	13.39	-	9.45	0.00	9.49	1077.78	0/0
		27-Mar-15	1087.23	1087.27	13.40	-	9.43	0.00	9.46	1077.80	0/1
BH1919	3	31-May-22	1085.47	1085.52	15.44	-	9.74	0.00	9.79	1075.73	30/0
		8-Nov-21	1085.47	1085.52	14.33	-	9.73	0.00	9.78	1075.73	15/1
		8-Jun-21	1085.47	1085.52	15.45	-	9.75	0.00	9.80	1075.72	10/0
		2-Nov-20	1085.47	1085.52	15.44	-	9.69	0.00	9.74	1075.77	0/2
		6-May-20	1085.47	1085.52	15.44	-	9.77	0.00	9.82	1075.70	0/1
		13-Nov-19	1085.47	1085.52	15.47	-	9.77	0.00	9.82	1075.70	0/1
		8-May-19	1085.47	1085.52	15.60	-	9.98	0.00	10.03	1075.49	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		5-Oct-18	1085.47	1085.52	15.60	-	9.92	0.00	9.97	1075.55	0/1
		22-Mar-18	1085.47	1085.52	15.59	-	10.01	0.00	10.06	1075.46	10/0
		7-Sep-17	1085.47	1085.52	15.48	-	10.00	0.00	10.06	1075.46	0/0
		2-May-17	1085.47	1085.52	15.47	-	10.10	0.00	10.15	1075.37	15/0
		21-Feb-17	1085.47	1085.52	15.49	-	10.18	0.00	10.23	1075.29	0/1
		27-Oct-16	1085.47	1085.52	15.51	-	10.21	0.00	10.26	1075.26	45/0
		18-Aug-16	1085.47	1085.52	15.48	-	10.23	0.00	10.28	1075.24	0/1
		3-May-16	1085.47	1085.52	15.50	-	10.28	0.00	10.33	1075.19	0/0
		18-Feb-16	1085.47	1085.52	15.49	-	10.16	0.00	10.21	1075.31	0/1
		10-Nov-15	1085.47	1085.52	15.66	-	10.17	0.00	10.22	1075.30	0/1
		2-Sep-15	1085.47	1085.52	15.70	-	10.17	0.00	10.22	1075.30	0/0
		9-Jun-15	1085.47	1085.52	15.31	-	10.25	0.00	10.30	1075.22	0/0
		5-May-15	1085.47	1085.52	15.54	-	10.19	0.00	10.25	1075.27	25/1
BH1920	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		13-Nov-19	1087.16	1087.27	4.81	-	-	0.00	-	-	0/0 (DRY)
		8-May-19	1087.16	1087.27	4.81	-	-	0.00	-	-	0/0 (DRY)
		5-Oct-18	1087.16	1087.27	4.81	-	-	0.00	-	-	0/0 (DRY)
		22-Mar-18	1087.16	1087.27	4.81	-	-	0.00	-	-	0/0 (DRY)
		7-Sep-17	1087.16	1087.27	4.83	-	-	0.00	-	-	0/0 (DRY)
		2-May-17	1087.16	1087.27	4.81	-	-	0.00	-	-	25/0 (DRY)
		23-Feb-17	1087.16	1087.27	4.84	-	-	0.00	-	-	30/0 (DRY)
		27-Oct-16	1087.16	1087.27	4.80	-	-	0.00	-	-	25/0 (DRY)
		16-Aug-16	1087.16	1087.27	4.79	-	-	0.00	-	-	0/2 (DRY)
		5-May-16	1087.16	1087.27	4.83	-	-	0.00	-	-	0/0 (DRY)
		18-Feb-16	1087.16	1087.27	4.80	-	-	0.00	-	-	0/0 (DRY)
		10-Nov-15	1087.16	1087.27	4.79	-	-	0.00	-	-	5/0 (DRY)
		2-Sep-15	1087.16	1087.27	4.90	-	-	0.00	-	-	0/10 (DRY)
		9-Jun-15	1087.16	1087.27	4.79	-	-	0.00	-	-	0/0 (DRY)
		27-Mar-15	1087.16	1087.27	4.81	-	-	0.00	-	-	0/0 (DRY)
BH1921	3	31-May-22	1088.92	1089.11	18.67	-	11.32	0.00	11.51	1077.60	15/0
		8-Nov-21	1088.92	1089.11	18.67	-	11.34	0.00	11.53	1077.58	25/1
		7-Jun-21	1088.92	1089.11	18.67	-	11.23	0.00	11.42	1077.69	10/2
		2-Nov-20	1088.92	1089.11	18.68	-	11.33	0.00	11.52	1077.59	0/0
		7-May-20	1088.92	1089.11	18.67	-	11.45	0.00	11.63	1077.48	0/0
		13-Nov-19	1088.92	1089.11	18.70	-	11.47	0.00	11.66	1077.45	0/0
		25-Apr-19	1088.92	1089.11	18.71	-	11.56	0.00	11.74	1077.37	0/0
		5-Oct-18	1088.92	1089.11	18.71	-	11.60	0.00	11.78	1077.33	0/0
		22-Mar-18	1088.92	1089.11	18.96	-	11.57	0.00	11.76	1077.35	10/1
		6-Sep-17	1088.92	1089.11	18.73	-	11.52	0.00	11.71	1077.40	20/0
		3-May-17	1088.92	1089.11	18.72	-	11.44	0.00	11.63	1077.48	35/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		21-Feb-17	1088.92	1089.11	18.72	-	11.47	0.00	11.65	1077.46	0/4
		31-Oct-16	1088.92	1089.11	18.71	-	11.42	0.00	11.60	1077.51	0/1
		18-Aug-16	1088.92	1089.11	18.74	-	11.47	0.00	11.66	1077.45	0/1
		5-May-16	1088.92	1089.11	18.74	-	11.51	0.00	11.70	1077.41	0/0
		18-Feb-16	1088.92	1089.11	18.76	-	11.40	0.00	11.59	1077.52	0/1
		10-Nov-15	1088.92	1089.11	18.91	-	11.41	0.00	11.59	1077.52	0/1
		1-Sep-15	1088.92	1089.11	19.08	-	11.46	0.00	11.65	1077.46	0/1
		9-Jun-15	1088.92	1089.11	18.85	-	11.49	0.00	11.68	1077.43	15/8
		28-Apr-15	1088.92	1089.11	18.88	-	11.43	0.00	11.62	1077.49	0/1
BH1922	3	31-May-22	1087.65	1087.76	18.40	-	10.96	0.00	11.07	1076.69	0/0
		8-Nov-21	1087.65	1087.76	18.55	-	10.89	0.00	11.00	1076.76	15/1
		7-Jun-21	1087.65	1087.76	18.41	-	10.84	0.00	10.95	1076.81	0/0
		2-Nov-20	1087.65	1087.76	18.41	-	10.84	0.00	10.95	1076.81	0/2
		7-May-20	1087.65	1087.76	18.47	-	10.94	0.00	11.05	1076.71	0/0
		13-Nov-19	1087.65	1087.76	18.47	-	10.90	0.00	11.00	1076.75	0/0
		25-Apr-19	1087.65	1087.76	18.51	-	11.11	0.00	11.21	1076.54	0/0
		5-Oct-18	1087.65	1087.76	18.51	-	11.10	0.00	11.21	1076.55	0/0
		22-Mar-18	1087.65	1087.76	18.72	-	11.09	0.00	11.20	1076.56	0/0
		5-Sep-17	1087.65	1087.76	18.50	-	11.01	0.00	11.11	1076.64	0/1
		3-May-17	1087.65	1087.76	18.51	-	11.02	0.00	11.12	1076.63	0/0
		21-Feb-17	1087.65	1087.76	18.51	-	11.06	0.00	11.17	1076.59	0/3
		31-Oct-16	1087.65	1087.76	18.52	-	10.95	0.00	11.06	1076.70	40/0
		18-Aug-16	1087.65	1087.76	18.49	-	11.04	0.00	11.15	1076.61	0/0
		5-May-16	1087.65	1087.76	18.55	-	11.05	0.00	11.15	1076.60	0/0
		18-Feb-16	1087.65	1087.76	18.51	-	10.93	0.00	11.04	1076.72	0/1
		10-Nov-15	1087.65	1087.76	18.67	-	11.05	0.00	11.16	1076.60	0/2
		1-Sep-15	1087.65	1087.76	18.57	-	11.03	0.00	11.14	1076.62	0/2
		9-Jun-15	1087.65	1087.76	17.72	-	11.20	0.00	11.31	1076.45	5/0
		5-May-15	1087.65	1087.76	17.72	-	11.08	0.00	11.19	1076.57	0/0
BH1923	3	30-May-22	1088.64	1088.70	15.23	-	10.05	0.00	10.43	1078.60	0/0
		9-Nov-21	1088.64	1088.70	15.23	-	10.03	0.00	10.43	1078.62	0/0
		7-Jun-21	1088.64	1088.70	15.23	-	9.97	0.00	10.43	1078.67	15/0
		2-Nov-20	1088.64	1088.70	15.23	-	10.07	0.00	10.43	1078.58	0/0
		6-May-20	1088.64	1088.70	15.24	-	10.16	0.00	10.43	1078.48	10/3
		14-Nov-19	1088.64	1088.70	15.24	-	10.26	0.00	10.43	1078.38	0/1
		25-Apr-19	1088.64	1088.70	15.26	-	10.39	0.00	10.43	1078.25	0/1
		5-Oct-18	1088.64	1088.70	15.26	-	10.38	0.00	10.43	1078.27	0/1
		22-Mar-18	1088.64	1088.70	15.26	-	10.38	0.00	10.43	1078.27	0/3
		5-Sep-17	1088.64	1088.70	15.25	-	10.35	0.00	10.41	1078.29	25/0
		2-May-17	1088.64	1088.70	15.26	-	10.30	0.00	10.35	1078.35	0/3

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		23-Feb-17	1088.64	1088.70	15.26	-	10.34	0.00	10.40	1078.30	110/11
		31-Oct-16	1088.64	1088.70	15.26	-	10.26	0.00	10.31	1078.39	0/3
		16-Aug-16	1088.64	1088.70	15.23	-	10.32	0.00	10.37	1078.33	5/31
		5-May-16	1088.64	1088.70	15.23	-	10.25	0.00	10.30	1078.40	45/45
		17-Feb-16	1088.64	1088.70	15.26	-	10.21	0.00	10.27	1078.43	260/113
		10-Nov-15	1088.64	1088.70	15.41	-	10.23	0.00	10.29	1078.41	80/85
		2-Sep-15	1088.64	1088.70	15.19	-	10.25	0.00	10.30	1078.39	0/23
		9-Jun-15	1088.64	1088.70	15.54	-	10.30	0.00	10.35	1078.35	25/6
		2-Apr-15	1088.64	1088.70	15.83	-	10.18	0.00	10.23	1078.46	165/8
BH1924	3	30-May-22	1093.31	1093.39	17.58	-	14.20	0.00	14.28	1079.11	5500/1217
		8-Nov-21	1093.31	1093.39	17.58	-	14.23	0.00	14.31	1079.08	9650/933
		8-Jun-21	1093.31	1093.39	17.61	-	14.26	0.00	14.34	1079.06	>11,100/637
		2-Nov-20	1093.31	1093.39	17.68	-	14.24	0.00	14.32	1079.07	>11,100/1150
		6-May-20	1093.31	1093.39	17.67	-	14.28	0.00	14.36	1079.03	>11,100/280
		14-Nov-19	1093.31	1093.39	17.82	-	14.31	0.00	14.39	1079.00	3,000/250
		8-May-19	1093.31	1093.39	17.95	-	14.53	0.00	14.61	1078.78	3,500/326
		9-Oct-18	1093.31	1093.39	17.95	-	14.57	0.00	14.65	1078.74	3,800/384
		20-Mar-18	1093.31	1093.39	18.40	-	14.30	0.00	14.38	1079.01	6,700/1,200
		5-Sep-17	1093.31	1093.39	18.15	-	14.47	0.00	14.54	1078.85	>11,100/1,074
		1-May-17	1093.31	1093.39	18.41	-	14.30	0.00	14.38	1079.01	>11,100/>2,000
		21-Feb-17	1093.31	1093.39	18.48	-	14.30	0.00	14.37	1079.02	8,200/520
		31-Oct-16	1093.31	1093.39	19.18	-	14.17	0.00	14.25	1079.15	4,100/1,414
		17-Aug-16	1093.31	1093.39	19.21	-	14.31	0.00	14.39	1079.01	>11,100/>2,000
		4-May-16	1093.31	1093.39	18.36	-	14.28	0.00	14.36	1079.04	>11,100/848
		17-Feb-16	1093.31	1093.39	18.39	-	14.21	0.00	14.29	1079.10	6,800/850
		9-Nov-15	1093.31	1093.39	18.62	-	14.30	0.00	14.38	1079.02	8,350/1,305
		1-Sep-15	1093.31	1093.39	18.86	-	14.22	0.00	14.30	1079.09	>11,100/1,130
		9-Jun-15	1093.31	1093.39	17.65	-	14.31	0.00	14.39	1079.01	2,950/508
		6-May-15	1093.31	1093.39	17.60	-	14.30	0.00	14.38	1079.01	2,760/830
BH1925	3	30-May-22	1091.15	1091.24	18.62	-	13.63	0.00	13.73	1077.52	0/0
		9-Nov-21	1091.15	1091.24	18.56	-	13.58	0.00	13.68	1077.57	10/1
		7-Jun-21	1091.15	1091.24	18.63	-	13.54	0.00	13.63	1077.61	270/17
		2-Nov-20	1091.15	1091.24	18.71	-	13.56	0.00	13.66	1077.59	155/40
		6-May-20	1091.15	1091.24	18.71	-	13.64	0.00	13.74	1077.51	0/0
		14-Nov-19	1091.15	1091.24	18.73	-	13.70	0.00	13.80	1077.45	0/0
		25-Apr-19	1091.15	1091.24	18.88	-	13.83	0.00	13.93	1077.32	0/0
		5-Oct-18	1091.15	1091.24	18.88	-	13.84	0.00	13.93	1077.31	0/0
		22-Mar-18	1091.15	1091.24	19.07	-	13.82	0.00	13.91	1077.33	0/0
		5-Sep-17	1091.15	1091.24	18.85	-	13.82	0.00	13.91	1077.33	15/0
		2-May-17	1091.15	1091.24	18.87	-	13.76	0.00	13.85	1077.39	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		27-Feb-17	1091.15	1091.24	18.86	-	13.76	0.00	13.85	1077.39	25/5
		31-Oct-16	1091.15	1091.24	18.90	-	13.73	0.00	13.83	1077.42	150/79
		16-Aug-16	1091.15	1091.24	18.89	-	13.77	0.00	13.87	1077.38	145/20
		5-May-16	1091.15	1091.24	18.93	-	13.82	0.00	13.91	1077.33	185/145
		18-Feb-16	1091.15	1091.24	18.94	-	13.64	0.00	13.73	1077.51	160/110
		10-Nov-15	1091.15	1091.24	19.08	-	13.73	0.00	13.83	1077.42	520/329
		2-Sep-15	1091.15	1091.24	19.37	-	13.73	0.00	13.82	1077.42	130/105
		9-Jun-15	1091.15	1091.24	17.40	-	13.79	0.00	13.88	1077.36	180/119
		6-May-15	1091.15	1091.24	17.41	-	13.75	0.00	13.84	1077.40	185/73
BH1926*	2,3,4	Well decommissioned on 14 April 2016.									
		14-Apr-16	-	-	-	-	-	0.00	-	-	
		17-Feb-16	1091.01	1091.13	14.49	-	10.22	0.00	10.34	1080.78	0/2
		9-Nov-15	1091.01	1091.13	-	-	10.32	0.00	10.44	1080.68	25/1
		1-Sep-15	1091.01	1091.13	-	-	10.46	0.00	10.58	1080.55	0/1
		9-Jun-15	1091.01	1091.13	15.80	-	10.60	0.00	10.72	1080.41	25/2
		29-Apr-15	1091.01	1091.13	16.53	-	10.08	0.00	10.20	1080.92	0/1
		31-Mar-15	1091.01	1091.13	-	-	9.97	0.00	10.09	1081.04	60/1
BH1927	3	30-May-22	1090.31	1090.45	21.41	-	12.41	0.00	12.92	1077.90	30/0
		9-Nov-21	1090.31	1090.45	21.42	-	12.75	0.00	12.92	1077.56	30/1
		8-Jun-21	1090.31	1090.45	21.46	-	12.46	0.00	12.92	1077.85	0/1
		2-Nov-20	1090.31	1090.45	21.48	-	12.47	0.00	12.92	1077.84	0/2
		6-May-20	1090.31	1090.45	21.48	-	12.47	0.00	12.92	1077.84	0/0
		13-Nov-19	1090.31	1090.45	21.52	-	12.59	0.00	12.92	1077.72	0/1
		3-May-19	1090.31	1090.45	21.54	-	12.63	0.00	12.92	1077.69	0/1
		4-Oct-18	1090.31	1090.45	21.54	-	12.90	0.00	12.92	1077.41	0/1
		21-Mar-18	-	-	-	-	-	0.00	-	-	Could Not Locate
		6-Sep-17	1090.31	1090.45	21.52	-	12.79	0.00	12.92	1077.52	0/1
		1-May-17	1090.31	1090.45	21.52	-	12.62	0.00	12.75	1077.69	0/1
		17-Feb-17	1090.31	1090.45	21.56	-	12.50	0.00	12.63	1077.81	40/2
		27-Oct-16	1090.31	1090.45	21.51	-	12.73	0.00	12.87	1077.58	30/1
		18-Aug-16	1090.31	1090.45	21.52	-	12.65	0.00	12.79	1077.66	0/1
		4-May-16	1090.31	1090.45	21.15	-	12.57	0.00	12.71	1077.74	0/1
		17-Feb-16	1090.31	1090.45	21.17	-	12.50	0.00	12.64	1077.81	580/5
		9-Nov-15	1090.31	1090.45	21.46	-	12.60	0.00	12.74	1077.71	180/67
		1-Sep-15	1090.31	1090.45	21.49	-	12.52	0.00	12.66	1077.79	300/97
		9-Jun-15	1090.31	1090.45	21.77	-	12.68	0.00	12.81	1077.63	30/27
		30-Apr-15	1090.31	1090.45	22.35	-	12.57	0.00	12.70	1077.74	270/71
BH1928	3,4	1-Jun-22	1083.60	1083.72	10.66	-	8.00	0.00	8.11	1075.61	95/0
		9-Nov-21	1083.60	1083.72	10.65	-	8.04	0.00	8.15	1075.57	120/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		8-Jun-21	1083.60	1083.72	10.69	-	8.05	0.00	8.17	1075.55	640/0
		2-Nov-20	1083.60	1083.72	10.72	-	7.96	0.00	8.08	1075.64	1100/0
		4-May-20	1083.60	1083.72	16.14	-	7.97	0.00	8.08	1075.64	0/1
		13-Nov-19	1083.60	1083.72	16.14	-	8.56	0.00	8.67	1075.05	0/1
		25-Apr-19	1083.60	1083.72	16.28	-	8.73	0.00	8.84	1074.88	0/1
		4-Oct-18	1083.60	1083.72	16.28	-	8.77	0.00	8.88	1074.83	0/0
		21-Mar-18	1083.60	1083.72	16.51	-	8.68	0.00	8.80	1074.92	55/0
		6-Sep-17	1083.60	1083.72	16.37	-	8.78	0.00	8.90	1074.82	1,000/314
		3-May-17	1083.60	1083.72	16.51	-	8.55	0.00	8.66	1075.06	140/80
		17-Feb-17	1083.60	1083.72	16.53	-	8.65	0.00	8.76	1074.96	15/2
		27-Oct-16	1083.60	1083.72	16.74	-	8.52	0.00	8.64	1075.08	6,200/520
		17-Aug-16	1083.60	1083.72	16.77	-	8.52	0.00	8.64	1075.08	860/300
		3-May-16	1083.60	1083.72	15.14	-	8.65	0.00	8.77	1074.95	730/212
		17-Feb-16	1083.60	1083.72	15.17	-	8.61	0.00	8.72	1074.99	0/1
		9-Nov-15	1083.60	1083.72	15.30	-	8.69	0.00	8.80	1074.92	260/146
		1-Sep-15	1083.60	1083.72	16.69	-	8.63	0.00	8.75	1074.97	630/235
		9-Jun-15	1083.60	1083.72	14.53	-	8.70	0.00	8.82	1074.90	500/200
		4-May-15	1083.60	1083.72	14.57	-	8.68	0.00	8.79	1074.93	230/52
BH1929	3	1-Jun-22	1082.55	1082.67	14.50	-	7.87	0.00	7.99	1074.68	760/0
		9-Nov-21	1082.55	1082.67	14.55	-	7.78	0.00	7.90	1074.77	720/0
		8-Jun-21	1082.55	1082.67	14.52	-	8.14	0.00	8.26	1074.41	1350/0
		2-Nov-20	1082.55	1082.67	14.51	-	7.73	0.00	7.85	1074.82	2050/0
		4-May-20	1082.55	1082.67	14.56	-	7.36	0.00	7.47	1075.20	0/0
		13-Nov-19	1082.55	1082.67	13.21	-	7.62	0.00	7.74	1074.93	0/0
		25-Apr-19	1082.55	1082.67	13.33	-	7.78	0.00	7.89	1074.78	0/0
		15-Oct-18	1082.55	1082.67	13.33	-	7.81	0.00	7.93	1074.74	0/0
		21-Mar-18	1082.55	1082.67	14.89	-	7.75	0.00	7.87	1074.80	15/0
		6-Sep-17	1082.55	1082.67	14.88	-	7.90	0.00	8.02	1074.65	0/1
		3-May-17	1082.55	1082.67	14.89	-	7.68	0.00	7.79	1074.88	25/1
		22-Feb-17	1082.55	1082.67	14.92	-	7.82	0.00	7.94	1074.73	60/0
		27-Oct-16	1082.55	1082.67	14.90	-	7.66	0.00	7.77	1074.90	65/0
		17-Aug-16	1082.55	1082.67	14.99	-	7.66	0.00	7.78	1074.89	10/0
		3-May-16	1082.55	1082.67	14.93	-	7.74	0.00	7.86	1074.81	5/0
		17-Feb-16	1082.55	1082.67	14.91	-	7.73	0.00	7.85	1074.83	0/0
		9-Nov-15	1082.55	1082.67	14.88	-	7.80	0.00	7.92	1074.75	5/2
		1-Sep-15	1082.55	1082.67	14.88	-	7.75	0.00	7.87	1074.80	0/2
		9-Jun-15	1082.55	1082.67	14.11	-	7.77	0.00	7.89	1074.78	0/1
		1-May-15	1082.55	1082.67	14.31	-	7.72	0.00	7.84	1074.84	0/0
BH1930	2,3	1-Jun-22	1088.51	1088.73	17.41	-	11.21	0.00	11.42	1077.31	5/0
		9-Nov-21	1088.51	1088.73	17.40	-	11.15	0.00	11.36	1077.37	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		8-Jun-21	1088.51	1088.73	17.40	-	11.19	0.00	11.40	1077.32	65/0
		2-Nov-20	1088.51	1088.73	17.41	-	11.19	0.00	11.41	1077.32	0/2
		6-May-20	1088.51	1088.73	17.40	-	11.17	0.00	11.39	1077.34	0/0
		13-Nov-19	1088.51	1088.73	17.69	-	11.20	0.00	11.42	1077.31	0/0
		3-May-19	1088.51	1088.73	17.61	-	11.27	0.00	11.49	1077.24	0/0
		5-Oct-18	1088.51	1088.73	17.61	-	11.47	0.00	11.68	1077.05	0/0
		19-Mar-18	1088.51	1088.73	17.61	-	11.44	0.00	11.66	1077.07	0/0
		6-Sep-17	1088.51	1088.73	17.51	-	11.95	0.00	12.16	1076.57	0/3
		1-May-17	1088.51	1088.73	17.50	-	11.82	0.00	12.04	1076.69	0/2
		17-Feb-17	1088.51	1088.73	17.51	-	11.44	0.00	11.66	1077.07	60/2
		27-Oct-16	1088.51	1088.73	17.49	-	11.32	0.00	11.54	1077.19	55/3
		17-Aug-16	1088.51	1088.73	17.47	-	11.29	0.00	11.51	1077.22	0/1
		5-May-16	1088.51	1088.73	17.54	-	11.57	0.00	11.79	1076.94	0/2
		17-Feb-16	1088.51	1088.73	17.54	-	11.66	0.00	11.88	1076.85	0/3
		9-Nov-15	1088.51	1088.73	17.67	-	11.64	0.00	11.85	1076.88	0/2
		1-Sep-15	1088.51	1088.73	17.66	-	11.41	0.00	11.63	1077.10	0/4
		9-Jun-15	1088.51	1088.73	17.70	-	11.68	0.00	11.90	1076.83	0/2
		30-Apr-15	1088.51	1088.73	18.31	-	11.55	0.00	11.77	1076.96	0/2
		6-Apr-15	1088.51	1088.73	17.08	-	11.86	0.00	12.07	1076.66	0/8
BH1931	2	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		14-Nov-19	1088.64	1088.74	7.39	-	-	0.00	-	-	0/0 (DRY)
		25-Apr-19	1088.64	1088.74	7.39	-	-	0.00	-	-	0/0 (DRY)
		5-Oct-18	1088.64	1088.74	7.39	-	-	0.00	-	-	0/0 (DRY)
		22-Mar-18	1088.64	1088.74	7.38	-	-	0.00	-	-	0/0 (DRY)
		5-Sep-17	1088.64	1088.74	7.38	-	-	0.00	-	-	15/0 (DRY)
		2-May-17	1088.64	1088.74	7.36	-	-	0.00	-	-	0/1 (DRY)
		23-Feb-17	1088.64	1088.74	7.38	-	-	0.00	-	-	35/0 (DRY)
		31-Oct-16	1088.64	1088.74	7.36	-	-	0.00	-	-	0/2 (DRY)
		16-Aug-16	1088.64	1088.74	7.36	-	-	0.00	-	-	15/1 (DRY)
		5-May-16	1088.64	1088.74	7.39	-	-	0.00	-	-	0/0 (DRY)
		17-Feb-16	1088.64	1088.74	7.36	-	-	0.00	-	-	5/2 (DRY)
		10-Nov-15	1088.64	1088.74	7.35	-	-	0.00	-	-	0/1 (DRY)
		2-Sep-15	1088.64	1088.74	7.36	-	-	0.00	-	-	0/1 (DRY)
		9-Jun-15	1088.64	1088.74	7.41	-	-	0.00	-	-	10/0 (DRY)
		30-Mar-15	1088.64	1088.74	7.35	-	-	0.00	-	-	0/0 (DRY)
BH1932	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		14-Nov-19	1088.61	1088.69	4.20	-	-	0.00	-	-	0/0 (DRY)
		25-Apr-19	1088.61	1088.69	4.20	-	-	0.00	-	-	0/0 (DRY)
		5-Oct-18	1088.61	1088.69	4.20	-	-	0.00	-	-	0/0 (DRY)
		22-Mar-18	1088.61	1088.69	4.20	-	-	0.00	-	-	0/0 (DRY)

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		5-Sep-17	1088.61	1088.69	4.21	-	-	0.00	-	-	10/0 (DRY)
		2-May-17	1088.61	1088.69	4.17	-	-	0.00	-	-	0/1 (DRY)
		23-Feb-17	1088.61	1088.69	4.21	-	-	0.00	-	-	65/3 (DRY)
		31-Oct-16	1088.61	1088.69	4.17	-	-	0.00	-	-	0/1 (DRY)
		16-Aug-16	1088.61	1088.69	4.16	-	-	0.00	-	-	5/0 (DRY)
		5-May-16	1088.61	1088.69	4.19	-	-	0.00	-	-	0/0 (DRY)
		17-Feb-16	1088.61	1088.69	4.18	-	-	0.00	-	-	45/0 (DRY)
		10-Nov-15	1088.61	1088.69	4.18	-	-	0.00	-	-	0/1 (DRY)
		2-Sep-15	1088.61	1088.69	4.16	-	-	0.00	-	-	0/1 (DRY)
		9-Jun-15	1088.61	1088.69	4.21	-	-	0.00	-	-	10/0 (DRY)
		30-Mar-15	1088.61	1088.69	4.18	-	-	0.00	-	-	0/0 (DRY)
BH1933	3	30-May-22	1090.41	1090.53	17.15	-	11.02	0.00	11.14	1079.39	0/0
		9-Nov-21	1090.41	1090.53	17.17	-	11.01	0.00	10.92	1079.40	0/0
		8-Jun-21	1090.41	1090.53	17.18	-	11.01	0.00	11.13	1079.40	0/0
		4-Nov-20	1090.41	1090.53	17.18	-	11.01	0.00	11.14	1079.40	0/0
		7-May-20	1090.41	1090.53	17.17	-	11.18	0.00	11.30	1079.23	110/7
		26-Nov-19	1090.41	1090.53	17.25	-	11.17	0.00	11.30	1079.24	30/16
		2-May-19	1090.41	1090.53	17.23	-	11.25	0.00	11.37	1079.16	30/16
		11-Oct-18	1090.41	1090.53	17.23	-	11.30	0.00	11.42	1079.11	5/49
		23-Mar-18	1090.41	1090.53	17.23	-	11.33	0.00	11.46	1079.08	120/107
		7-Sep-17	1090.41	1090.53	17.23	-	11.23	0.00	11.35	1079.18	380/376
		26-Apr-17	1090.41	1090.53	17.22	-	11.15	0.00	11.28	1079.26	120/107
		27-Feb-17	1090.41	1090.53	17.22	-	11.16	0.00	11.28	1079.25	400/250
		31-Oct-16	1090.41	1090.53	17.19	-	11.10	0.00	11.22	1079.31	250/277
		17-Aug-16	1090.41	1090.53	17.22	-	11.25	0.00	11.37	1079.16	0/5
		4-May-16	1090.41	1090.53	17.23	-	11.19	0.00	11.31	1079.22	1,750/842
		16-Feb-16	1090.41	1090.53	17.30	-	11.12	0.00	11.24	1079.29	1,100/755
		9-Nov-15	1090.41	1090.53	17.45	-	11.19	0.00	11.31	1079.22	15/52
		1-Sep-15	1090.41	1090.53	17.22	-	11.18	0.00	11.30	1079.23	1,650/225
		9-Jun-15	1090.41	1090.53	17.50	-	11.26	0.00	11.38	1079.15	0/14
		6-Mar-15	1090.41	1090.53	17.31	-	11.13	0.00	11.26	1079.28	135/121
BH1934	2	30-May-22	1090.47	1090.55	8.32	-	6.63	0.00	6.71	1083.85	0/0
		9-Nov-21	1090.47	1090.55	8.35	-	6.28	0.00	6.36	1084.19	10/1
		8-Jun-21	1090.47	1090.55	8.34	-	6.46	0.00	6.54	1084.01	50/0
		4-Nov-20	1090.47	1090.55	8.38	-	5.68	0.00	5.76	1084.79	0/0
		7-May-20	1090.47	1090.55	8.39	-	5.99	0.00	6.07	1084.48	0/0
		26-Nov-19	1090.47	1090.55	8.40	-	5.86	0.00	5.94	1084.61	0/0
		2-May-19	1090.47	1090.55	8.44	-	6.35	0.00	6.43	1084.13	0/0
		11-Oct-18	1090.47	1090.55	8.44	-	5.95	0.00	6.03	1084.52	0/0
		23-Mar-18	1090.47	1090.55	8.44	-	6.72	0.00	6.80	1083.75	20/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		7-Sep-17	1090.47	1090.55	8.44	-	6.62	0.00	6.70	1083.85	0/1
		26-Apr-17	1090.47	1090.55	8.43	-	6.55	0.00	6.63	1083.92	0/1
		27-Feb-17	1090.47	1090.55	8.45	-	6.85	0.00	6.93	1083.62	0/3
		31-Oct-16	1090.47	1090.55	8.42	-	6.37	0.00	6.45	1084.11	0/2
		17-Aug-16	1090.47	1090.55	8.42	-	6.31	0.00	6.39	1084.16	0/1
		4-May-16	1090.47	1090.55	8.45	-	6.74	0.00	6.82	1083.73	0/1
		16-Feb-16	1090.47	1090.55	8.45	-	6.88	0.00	6.96	1083.60	0/1
		9-Nov-15	1090.47	1090.55	8.48	-	6.11	0.00	6.19	1084.36	0/1
		1-Sep-15	1090.47	1090.55	8.45	-	5.91	0.00	5.99	1084.56	15/1
		9-Jun-15	1090.47	1090.55	8.51	-	6.25	0.00	6.33	1084.22	0/1
		20-Feb-15	1090.47	1090.55	8.46	-	6.19	0.00	6.27	1084.28	0/2
BH1935	1	30-May-22	1090.48	1090.60	5.12	-	4.66	0.00	4.78	1085.82	0/0
		9-Nov-21	1090.48	1090.60	5.14	-	4.41	0.00	4.53	1086.07	10/0
		8-Jun-21	1090.48	1090.60	5.12	-	4.46	0.00	4.58	1086.02	0/0
		4-Nov-20	1090.48	1090.60	5.12	-	4.35	0.00	4.47	1086.13	0/0
		7-May-20	1090.48	1090.60	5.13	-	4.55	0.00	4.67	1085.94	0/0
		26-Nov-19	1090.48	1090.60	5.12	-	4.32	0.00	4.44	1086.17	0/0
		2-May-19	1090.48	1090.60	5.13	-	4.79	0.00	4.91	1085.70	0/0
		11-Oct-18	1090.48	1090.60	5.15	-	4.45	0.00	4.57	1086.03	0/0
		23-Mar-18	1090.48	1090.60	5.16	-	4.65	0.00	4.77	1085.83	5/1
		7-Sep-17	1090.48	1090.60	5.15	-	4.58	0.00	4.70	1085.90	40/1
		26-Apr-17	1090.48	1090.60	5.17	-	4.71	0.00	4.83	1085.77	10/1
		27-Feb-17	1090.48	1090.60	5.15	-	4.61	0.00	4.73	1085.87	0/2
		31-Oct-16	1090.48	1090.60	5.13	-	4.35	0.00	4.47	1086.13	0/0
		17-Aug-16	1090.48	1090.60	5.12	-	4.39	0.00	4.51	1086.09	0/0
		4-May-16	1090.48	1090.60	5.10	-	4.77	0.00	4.89	1085.71	10/0
		16-Feb-16	1090.48	1090.60	5.11	-	4.56	0.00	4.68	1085.92	0/4
		9-Nov-15	1090.48	1090.60	5.15	-	4.43	0.00	4.55	1086.06	0/1
		1-Sep-15	1090.48	1090.60	5.12	-	4.44	0.00	4.56	1086.04	0/1
		9-Jun-15	1090.48	1090.60	5.16	-	4.74	0.00	4.86	1085.74	0/1
		20-Feb-15	1090.48	1090.60	5.13	-	4.59	0.00	4.71	1085.90	0/0
BH1936	3	31-May-22	1082.18	1082.26	10.77	-	7.57	0.00	7.65	1074.61	260/0
		9-Nov-21	1082.18	1082.26	10.77	-	7.52	0.00	7.61	1074.65	180/0
		8-Jun-21	1082.18	1082.26	10.76	-	7.51	0.00	7.60	1074.66	1200/0
		2-Nov-20	1082.18	1082.26	10.77	-	7.40	0.00	7.48	1074.78	0/0
		4-May-20	1082.18	1082.26	10.79	-	7.50	0.00	7.58	1074.68	0/0
		12-Nov-19	1082.18	1082.26	10.06	-	7.33	0.00	7.42	1074.85	0/0
		25-Apr-19	1082.18	1082.26	14.68	-	7.58	0.00	7.66	1074.60	0/0
		4-Oct-18	1082.18	1082.26	14.68	-	7.57	0.00	7.65	1074.61	0/0
		21-Mar-18	1082.18	1082.26	14.88	-	7.56	0.00	7.65	1074.62	25/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		6-Sep-17	1082.18	1082.26	14.69	-	7.56	0.00	7.64	1074.62	5/0
		3-May-17	1082.18	1082.26	14.68	-	7.50	0.00	7.59	1074.67	0/0
		22-Feb-17	1082.18	1082.26	14.71	-	7.62	0.00	7.71	1074.56	0/0
		27-Oct-16	1082.18	1082.26	14.67	-	7.46	0.00	7.55	1074.72	15/1
		18-Aug-16	1082.18	1082.26	14.69	-	7.53	0.00	7.62	1074.65	0/0
		3-May-16	1082.18	1082.26	14.70	-	7.57	0.00	7.66	1074.61	5/0
		17-Feb-16	1082.18	1082.26	14.88	-	7.55	0.00	7.64	1074.62	0/1
		10-Nov-15	1082.18	1082.26	14.89	-	7.59	0.00	7.67	1074.59	0/1
		1-Sep-15	1082.18	1082.26	14.88	-	7.59	0.00	7.68	1074.59	0/3
		9-Jun-15	1082.18	1082.26	13.68	-	7.60	0.00	7.69	1074.57	0/19
		1-May-15	1082.18	1082.26	13.92	-	7.54	0.00	7.63	1074.64	0/1
BH1937	4,5	31-May-22	1080.60	1080.75	10.62	-	6.08	0.00	6.23	1074.52	15/0
		9-Nov-21	1080.60	1080.75	10.61	-	6.06	0.00	6.21	1074.54	35/0
		8-Jun-21	1080.60	1080.75	10.64	-	6.01	0.00	6.17	1074.59	50/0
		2-Nov-20	1080.60	1080.75	10.63	-	5.95	0.00	6.11	1074.65	230/0
		4-May-20	1080.60	1080.75	10.64	-	6.01	0.00	6.16	1074.59	0/0
		12-Nov-19	1080.60	1080.75	10.71	-	5.89	0.00	6.04	1074.71	0/0
		25-Apr-19	1080.60	1080.75	11.66	-	6.25	0.00	6.40	1074.35	0/0
		4-Oct-18	1080.60	1080.75	11.66	-	6.28	0.00	6.43	1074.32	0/0
		21-Mar-18	1080.60	1080.75	11.75	-	6.28	0.00	6.43	1074.32	0/0
		6-Sep-17	1080.60	1080.75	11.60	-	6.34	0.00	6.49	1074.26	5/0
		3-May-17	1080.60	1080.75	11.63	-	6.32	0.00	6.47	1074.28	0/0
		22-Feb-17	1080.60	1080.75	11.66	-	6.36	0.00	6.51	1074.24	0/1
		27-Oct-16	1080.60	1080.75	11.75	-	6.31	0.00	6.46	1074.30	0/0
		18-Aug-16	1080.60	1080.75	11.85	-	6.34	0.00	6.49	1074.27	0/1
		3-May-16	1080.60	1080.75	11.50	-	6.41	0.00	6.56	1074.19	0/0
		17-Feb-16	1080.60	1080.75	11.63	-	6.36	0.00	6.51	1074.24	0/1
		10-Nov-15	1080.60	1080.75	11.67	-	6.34	0.00	6.50	1074.26	0/1
		2-Sep-15	1080.60	1080.75	11.72	-	6.38	0.00	6.53	1074.22	0/1
		9-Jun-15	1080.60	1080.75	11.73	-	6.40	0.00	6.55	1074.20	0/1
		7-Apr-15	1080.60	1080.75	12.51	-	6.36	0.00	6.51	1074.25	130/1
BH1938	2	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		12-Nov-19	1082.20	1082.30	5.10	-	-	0.00	-	-	0/0 (DRY)
		25-Apr-19	1082.20	1082.30	5.10	-	-	0.00	-	-	0/0 (DRY)
		4-Oct-18	1082.20	1082.30	5.10	-	-	0.00	-	-	0/0 (DRY)
		21-Mar-18	1082.20	1082.30	5.10	-	-	0.00	-	-	0/1 (DRY)
		6-Sep-17	1082.20	1082.30	5.11	-	-	0.00	-	-	0/0 (DRY)
		3-May-17	1082.20	1082.30	5.09	-	-	0.00	-	-	10/0 (DRY)
		3-May-17	1082.20	1082.30	5.10	-	-	0.00	-	-	0/1 (DRY)
		22-Feb-17	1082.20	1082.30	5.11	-	-	0.00	-	-	0/0 (DRY)

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		27-Oct-16	1082.20	1082.30	5.09	-	-	0.00	-	-	60/1 (DRY)
		18-Aug-16	1082.20	1082.30	5.08	-	-	0.00	-	-	0/0 (DRY)
		3-May-16	1082.20	1082.30	5.11	-	-	0.00	-	-	0/0 (DRY)
		17-Feb-16	1082.20	1082.30	5.09	-	-	0.00	-	-	0/1 (DRY)
		10-Nov-15	1082.20	1082.30	5.08	-	-	0.00	-	-	0/0 (DRY)
		1-Sep-15	1082.20	1082.30	5.08	-	-	0.00	-	-	0/1 (DRY)
		9-Jun-15	1082.20	1082.30	5.08	-	-	0.00	-	-	0/1 (DRY)
		8-Apr-15	1082.20	1082.30	5.07	-	-	0.00	-	-	0/0 (DRY)
BH1939	4	31-May-22	1080.66	1080.75	8.70	-	6.16	0.00	6.26	1074.50	5/0
		9-Nov-21	1080.66	1080.75	8.70	-	6.09	0.00	6.18	1074.57	0/0
		8-Jun-21	1080.66	1080.75	8.71	-	6.03	0.00	6.13	1074.63	75/0
		2-Nov-20	1080.66	1080.75	8.69	-	5.86	0.00	5.95	1074.80	15/0
		4-May-20	1080.66	1080.75	8.70	-	6.04	0.00	6.13	1074.62	0/1
		12-Nov-19	1080.66	1080.75	8.70	-	5.88	0.00	5.98	1074.78	0/0
		25-Apr-19	1080.66	1080.75	8.73	-	6.21	0.00	6.31	1074.45	0/0
		4-Oct-18	1080.66	1080.75	8.73	-	6.24	0.00	6.33	1074.42	0/0
		21-Mar-18	1080.66	1080.75	8.73	-	6.24	0.00	6.33	1074.42	0/10
		6-Sep-17	1080.66	1080.75	8.73	-	6.25	0.00	6.35	1074.41	25/18
		3-May-17	1080.66	1080.75	8.73	-	6.26	0.00	6.35	1074.40	250/10
		22-Feb-17	1080.66	1080.75	8.70	-	6.31	0.00	6.40	1074.35	50/38
		27-Oct-16	1080.66	1080.75	8.75	-	6.52	0.00	6.61	1074.14	115/91
		18-Aug-16	1080.66	1080.75	8.70	-	6.36	0.00	6.45	1074.30	200/150
		3-May-16	1080.66	1080.75	8.71	-	6.39	0.00	6.48	1074.27	210/89
		17-Feb-16	1080.66	1080.75	8.70	-	6.59	0.00	6.68	1074.07	165/104
		10-Nov-15	1080.66	1080.75	8.73	-	6.44	0.00	6.54	1074.22	280/136
		2-Sep-15	1080.66	1080.75	8.70	-	6.41	0.00	6.50	1074.25	180/127
		9-Jun-15	1080.66	1080.75	8.70	-	6.35	0.00	6.45	1074.31	230/230
		7-Apr-15	1080.66	1080.75	8.69	-	6.30	0.00	6.39	1074.36	830/110
		31-Mar-15	1080.66	1080.75	8.65	-	6.38	0.00	6.47	1074.28	450/180
BH1940*	3	Decommissioned on 13 April 2016.									
		13-Apr-16	-	-	-	-	-	0.00	-	-	
		16-Feb-16	1090.45	1090.58	16.08	-	10.19	0.00	10.32	1080.26	20/8
		9-Nov-15	1090.45	1090.58	-	-	10.28	0.00	10.41	1080.17	70/7
		1-Sep-15	1090.45	1090.58	-	-	10.20	0.00	10.33	1080.25	580/15
		9-Jun-15	1090.45	1090.58	16.08	-	10.30	0.00	10.43	1080.15	720/12
		24-Feb-15	1090.45	1090.58	16.08	-	10.15	0.00	10.27	1080.30	2,700/23
BH1941	4,5	31-May-22	1073.80	1073.95	10.49	-	1.85	0.00	1.99	1071.95	11100/4
		9-Nov-21	1073.80	1073.95	10.50	-	1.91	0.00	2.06	1071.89	310/0
		7-Jun-21	1073.80	1073.95	10.56	-	1.86	0.00	2.00	1071.94	15/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		2-Nov-20	1073.80	1073.95	10.56	-	2.02	0.00	2.16	1071.78	3800/1
		6-May-20	1073.80	1073.95	10.61	-	1.91	0.00	2.05	1071.89	0/0
		12-Nov-19	1073.80	1073.95	10.64	-	1.91	0.00	2.06	1071.89	0/0
		25-Apr-19	1073.80	1073.95	10.71	-	2.02	0.00	2.16	1071.78	0/0
		3-Oct-18	1073.80	1073.95	10.71	-	2.02	0.00	2.16	1071.78	0/0
		21-Mar-18	1073.80	1073.95	10.77	-	2.15	0.00	2.29	1071.65	0/1
		7-Sep-17	1073.80	1073.95	10.73	-	2.21	0.00	2.36	1071.59	15/2
		3-May-17	1073.80	1073.95	10.78	-	2.23	0.00	2.38	1071.57	0/1
		21-Feb-17	1073.80	1073.95	10.80	-	2.24	0.00	2.39	1071.56	10/3
		28-Oct-16	1073.80	1073.95	10.82	-	2.15	0.00	2.30	1071.65	0/1
		18-Aug-16	1073.80	1073.95	10.75	-	2.19	0.00	2.34	1071.61	15/1
		3-May-16	1073.80	1073.95	10.17	-	2.31	0.00	2.46	1071.49	25/0
		17-Feb-16	1073.80	1073.95	10.19	-	2.29	0.00	2.43	1071.51	0/1
		10-Nov-15	1073.80	1073.95	10.16	-	2.24	0.00	2.38	1071.56	5/0
		2-Sep-15	1073.80	1073.95	10.37	-	2.04	0.00	2.19	1071.76	0/3
		9-Jun-15	1073.80	1073.95	10.35	-	2.20	0.00	2.35	1071.60	0/1
		10-Apr-15	1073.80	1073.95	11.15	-	2.35	0.00	2.49	1071.45	90/1
BH1942	5	31-May-22	1068.37	1068.54	8.29	-	1.47	0.00	1.64	1066.90	25/1
		9-Nov-21	1068.37	1068.54	8.29	-	1.51	0.00	1.69	1066.86	5/0
		7-Jun-21	1068.37	1068.54	8.29	-	1.51	0.00	1.68	1066.86	3200/1
		2-Nov-20	1068.37	1068.54	8.29	-	1.46	0.00	1.63	1066.91	0/0
		6-May-20	1068.37	1068.54	8.30	-	1.45	0.00	1.63	1066.91	0/0
		12-Nov-19	1068.37	1068.54	8.31	-	1.38	0.00	1.55	1066.99	0/0
		25-Apr-19	1068.37	1068.54	8.33	-	1.66	0.00	1.84	1066.70	0/0
		3-Oct-18	1068.37	1068.54	8.33	-	1.28	0.00	1.45	1067.09	0/0
		21-Mar-18	1068.37	1068.54	8.31	-	1.44	0.00	1.62	1066.92	0/0
		7-Sep-17	1068.37	1068.54	8.34	-	1.50	0.00	1.68	1066.87	10/2
		3-May-17	1068.37	1068.54	8.34	-	1.54	0.00	1.72	1066.83	5/0
		21-Feb-17	1068.37	1068.54	8.34	-	1.63	0.00	1.81	1066.74	0/4
		28-Oct-16	1068.37	1068.54	8.32	-	1.36	0.00	1.54	1067.01	0/1
		18-Aug-16	1068.37	1068.54	8.31	-	1.40	0.00	1.57	1066.97	20/0
		11-May-16	1068.37	1068.54	8.31	-	1.60	0.00	1.78	1066.77	5/0
		17-Feb-16	1068.37	1068.54	8.31	-	1.65	0.00	1.82	1066.72	0/1
		10-Nov-15	1068.37	1068.54	8.31	-	1.52	0.00	1.70	1066.85	10/1
		2-Sep-15	1068.37	1068.54	8.33	-	1.74	0.00	1.92	1066.63	0/1
		9-Jun-15	1068.37	1068.54	8.34	-	1.35	0.00	1.53	1067.01	70/1
		30-Mar-15	1068.37	1068.54	8.50	-	1.30	0.00	1.48	1067.07	7,850 Hex
BH1943	4,5	30-May-22	1078.72	1078.91	13.46	-	6.24	0.00	6.43	1072.48	0/0
		8-Nov-21	1078.72	1078.91	13.44	-	6.32	0.00	6.51	1072.40	25/1
		7-Jun-21	1078.72	1078.91	13.44	-	6.21	0.00	6.51	1072.40	75/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		2018-2019					Well could not be located.				
		6-Sep-17	1078.72	1078.91	13.26	-	6.32	0.00	6.51	1072.40	30/0
		2-May-17	1078.72	1078.91	13.29	-	6.04	0.00	6.23	1072.68	20/32
		23-Feb-17	1078.72	1078.91	13.28	-	6.21	0.00	6.40	1072.52	30/2
		31-Oct-16	1078.72	1078.91	13.28	-	6.13	0.00	6.32	1072.59	0/1
		19-Aug-16	1078.72	1078.91	13.28	-	6.07	0.00	6.26	1072.65	0/0
		3-May-16	1078.72	1078.91	13.30	-	6.27	0.00	6.46	1072.46	10/3
		17-Feb-16	1078.72	1078.91	13.30	-	6.22	0.00	6.41	1072.51	270/1
		13-Nov-15	1078.72	1078.91	13.36	-	6.20	0.00	6.39	1072.53	0/1
		2-Sep-15	1078.72	1078.91	13.37	-	6.21	0.00	6.40	1072.51	0/1
		9-Jun-15	1078.72	1078.91	13.46	-	6.31	0.00	6.50	1072.42	0/2
		9-Jun-15	1078.72	1078.91	13.46	-	6.31	0.00	6.50	1072.42	0/2
		13-Apr-15	1078.72	1078.91	13.06	-	6.22	0.00	6.41	1072.51	70/1
BH1944	3	30-May-22	1077.12	1077.33	7.12	-	5.55	0.00	5.76	1071.58	5/0
		8-Nov-21	1077.12	1077.33	7.22	-	5.61	0.00	5.82	1071.52	0/0
		7-Jun-21	1077.12	1077.33	7.17	-	5.41	0.00	5.62	1071.71	40/0
		2-Nov-20	1077.12	1077.33	7.19	-	5.30	0.00	5.51	1071.82	0/0
		6-May-20	1077.12	1077.33	7.23	-	5.32	0.00	5.53	1071.80	0/1
		12-Nov-19	1077.12	1077.33	7.31	-	5.62	0.00	5.83	1071.50	0/1
		25-Apr-19	1077.12	1077.33	7.34	-	5.71	0.00	5.92	1071.42	0/1
		3-Oct-18	1077.12	1077.33	7.34	-	5.78	0.00	5.99	1071.35	0/1
		22-Mar-18	1077.12	1077.33	7.35	-	5.71	0.00	5.92	1071.42	0/2
		6-Sep-17	1077.12	1077.33	7.33	-	5.80	0.00	6.02	1071.32	60/0
		2-May-17	1077.12	1077.33	7.34	-	5.51	0.00	5.72	1071.61	0/1
		23-Feb-17	1077.12	1077.33	7.34	-	5.82	0.00	6.04	1071.30	0/4
		31-Oct-16	1077.12	1077.33	7.35	-	5.54	0.00	5.75	1071.59	0/1
		18-Aug-16	1077.12	1077.33	7.35	-	5.47	0.00	5.68	1071.65	0/0
		3-May-16	1077.12	1077.33	7.43	-	6.02	0.00	6.23	1071.10	0/0
		17-Feb-16	1077.12	1077.33	7.35	-	6.25	0.00	6.46	1070.88	0/0
		10-Nov-15	1077.12	1077.33	7.38	-	5.69	0.00	5.90	1071.43	10/1
		2-Sep-15	1077.12	1077.33	7.40	-	5.99	0.00	6.20	1071.13	0/2
		9-Jun-15	1077.12	1077.33	7.56	-	6.23	0.00	6.44	1070.89	0/2
		10-Apr-15	1077.12	1077.33	7.47	-	5.92	0.00	6.13	1071.21	10/0
BH1945	5	31-May-22	1069.27	1069.36	5.19	-	2.88	0.00	2.97	1066.39	20/0
		8-Nov-21	1069.27	1069.36	5.40	-	2.81	0.00	2.90	1066.46	0/0
		7-Jun-21	1069.27	1069.36	5.33	-	2.86	0.00	2.95	1066.41	20/0
		2-Nov-20	1069.27	1069.36	5.34	-	2.68	0.00	2.77	1066.58	0/0
		5-May-20	1069.27	1069.36	5.40	-	2.46	0.00	2.55	1066.81	0/0
		12-Nov-19	1069.27	1069.36	5.60	-	2.74	0.00	2.83	1066.52	0/0
		24-Apr-19	1069.27	1069.36	5.95	-	2.84	0.00	2.93	1066.43	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		3-Oct-18	1069.27	1069.36	5.95	-	3.18	0.00	3.27	1066.09	0/0
		21-Mar-18	1069.27	1069.36	5.99	-	3.00	0.00	3.09	1066.27	0/0
		6-Sep-17	1069.27	1069.36	5.99	-	3.33	0.00	3.42	1065.94	40/0
		3-May-17	1069.27	1069.36	6.09	-	2.63	0.00	2.72	1066.64	20/0
		21-Feb-17	1069.27	1069.36	6.08	-	3.03	0.00	3.12	1066.24	0/2
		28-Oct-16	1069.27	1069.36	6.12	-	2.91	0.00	3.00	1066.36	5/1
		17-Aug-16	1069.27	1069.36	6.12	-	2.72	0.00	2.81	1066.55	0/1
		3-May-16	1069.27	1069.36	6.21	-	3.02	0.00	3.11	1066.25	0/0
		17-Feb-16	1069.27	1069.36	6.18	-	2.92	0.00	3.01	1066.35	0/1
		9-Nov-15	1069.27	1069.36	6.22	-	2.95	0.00	3.04	1066.31	0/0
		2-Sep-15	1069.27	1069.36	6.28	-	2.91	0.00	3.00	1066.36	0/0
		9-Jun-15	1069.27	1069.36	6.28	-	3.11	0.00	3.20	1066.16	0/2
		26-Mar-15	1069.27	1069.36	6.34	-	2.83	0.00	2.92	1066.44	160 Hex
BH1946	5	31-May-22	1064.57	1064.66	5.98	-	2.17	0.00	2.26	1062.40	45/0
		8-Nov-21	1064.57	1064.66	6.01	-	2.90	0.00	2.99	1061.67	0/0
		7-Jun-21	1064.57	1064.66	6.03	-	2.26	0.00	2.35	1062.31	60/1
		2-Nov-20	1064.57	1064.66	6.07	-	2.98	0.00	3.07	1061.59	60/0
		5-May-20	1064.57	1064.66	6.07	-	2.05	0.00	2.14	1062.52	0/0
		12-Nov-19	1064.57	1064.66	6.11	-	2.50	0.00	2.59	1062.07	0/1
		24-Apr-19	1064.57	1064.66	6.16	-	2.29	0.00	2.38	1062.28	0/1
		3-Oct-18	1064.57	1064.66	6.16	-	3.28	0.00	3.37	1061.29	0/1
		23-Mar-18	1064.57	1064.66	6.18	-	2.97	0.00	3.06	1061.60	0/1
		7-Sep-17	1064.57	1064.66	6.16	-	3.26	0.00	3.35	1061.31	15/0
		3-May-17	1064.57	1064.66	6.19	-	2.28	0.00	2.37	1062.29	0/0
		22-Feb-17	1064.57	1064.66	6.18	-	3.19	0.00	3.28	1061.38	0/1
		28-Oct-16	1064.57	1064.66	6.18	-	2.55	0.00	2.64	1062.02	0/0
		18-Aug-16	1064.57	1064.66	6.19	-	2.58	0.00	2.67	1061.99	0/0
		3-May-16	1064.57	1064.66	6.20	-	2.87	0.00	2.97	1061.69	0/1
		17-Feb-16	1064.57	1064.66	6.19	-	3.02	0.00	3.11	1061.55	55/1
		9-Nov-15	1064.57	1064.66	6.23	-	2.51	0.00	2.60	1062.06	10/1
		2-Sep-15	1064.57	1064.66	6.23	-	2.28	0.00	2.37	1062.29	0/1
		9-Jun-15	1064.57	1064.66	6.31	-	2.84	0.00	2.93	1061.73	0/1
		30-Mar-15	1064.57	1064.66	6.33	-	2.66	0.00	2.75	1061.91	35 Hex
BH1947	5	30-May-22	1067.72	1067.83	5.58	-	1.54	0.00	1.64	1066.19	10/0
		8-Nov-21	1067.72	1067.83	5.59	-	1.51	0.00	1.79	1066.21	15/1
		7-Jun-21	1067.72	1067.83	5.59	-	1.52	0.00	1.79	1066.20	70/0
		2-Nov-20	1067.72	1067.83	5.58	-	1.50	0.00	1.79	1066.22	0/0
		7-May-20	1067.72	1067.83	5.83	-	1.31	0.00	1.79	1066.42	0/0
		12-Nov-19	1067.72	1067.83	5.88	-	1.49	0.00	1.79	1066.24	0/1
		24-Apr-19	1067.72	1067.83	5.91	-	1.41	0.00	1.79	1066.31	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		3-Oct-18	1067.72	1067.83	5.91	-	1.65	0.00	1.79	1066.07	0/1
		22-Mar-18	1067.72	1067.83	5.92	-	1.69	0.00	1.79	1066.03	0/1
		7-Sep-17	1067.72	1067.83	5.91	-	1.83	0.00	1.93	1065.89	25/2
		2-May-17	1067.72	1067.83	5.92	-	1.36	0.00	1.46	1066.36	5,900/1
		22-Feb-17	1067.72	1067.83	5.90	-	1.64	0.00	1.74	1066.08	66/0
		28-Oct-16	1067.72	1067.83	5.89	-	1.72	0.00	1.82	1066.01	0/1
		18-Aug-16	1067.72	1067.83	5.89	-	1.84	0.00	1.94	1065.89	170/1
		3-May-16	1067.72	1067.83	5.92	-	1.58	0.00	1.68	1066.15	0/1
		17-Feb-16	1067.72	1067.83	5.89	-	1.51	0.00	1.62	1066.21	0/0
		9-Nov-15	1067.72	1067.83	5.92	-	1.39	0.00	1.50	1066.33	0/1
		2-Sep-15	1067.72	1067.83	5.89	-	1.43	0.00	1.53	1066.29	0/1
		9-Jun-15	1067.72	1067.83	5.93	-	1.44	0.00	1.54	1066.29	45/0
		9-Apr-15	1067.72	1067.83	5.90	-	1.50	0.00	1.61	1066.22	0/1
BH1948	5	Well could not be located.									
		24-Apr-19	1072.45	1072.58	7.08	-	1.81	0.00	1.94	1070.64	5/0
		3-Oct-18	1072.45	1072.58	7.08	-	1.72	0.00	1.84	1070.74	5/0
		22-Mar-18	1072.45	1072.58	7.10	-	1.78	0.00	1.90	1070.68	85/0
		7-Sep-17	1072.45	1072.58	7.09	-	2.01	0.00	2.13	1070.45	5/1
		2-May-17	1072.45	1072.58	7.09	-	1.70	0.00	1.82	1070.76	0/1
		22-Feb-17	1072.45	1072.58	7.07	-	1.87	0.00	1.99	1070.59	0/1
		28-Oct-16	1072.45	1072.58	7.08	-	1.83	0.00	1.96	1070.62	0/0
		18-Aug-16	1072.45	1072.58	7.06	-	1.67	0.00	1.80	1070.78	0/1
		3-May-16	1072.45	1072.58	7.69	-	1.90	0.00	2.03	1070.55	0/1
		17-Feb-16	1072.45	1072.58	7.70	-	1.77	0.00	1.90	1070.68	5/1
		9-Nov-15	1072.45	1072.58	7.71	-	1.79	0.00	1.91	1070.67	0/0
		2-Sep-15	1072.45	1072.58	7.71	-	1.77	0.00	1.90	1070.68	0/2
		9-Jun-15	1072.45	1072.58	7.80	-	1.89	0.00	2.02	1070.56	0/1
		9-Apr-15	1072.45	1072.58	7.81	-	1.68	0.00	1.81	1070.77	0/1
BH1949	2	As this monitoring well has been dry over the last four sampling event it has been removed from the monitoring and sampling program.									
		13-Nov-19	1091.06	1091.10	7.43	-	-	0.00	-	-	0/0 (DRY)
		3-May-19	1091.06	1091.10	7.43	-	-	0.00	-	-	0/0 (DRY)
		4-Oct-18	1091.06	1091.10	7.43	-	-	0.00	-	-	0/0 (DRY)
		20-Mar-18	1091.06	1091.10	7.43	-	-	0.00	-	-	0/2 (DRY)
		6-Sep-17	1091.06	1091.10	7.43	-	7.43	0.00	7.46	1083.64	25/19
		26-Apr-17	1091.06	1091.10	7.41	-	7.37	0.00	7.41	1083.69	5/7
		21-Feb-17	1091.06	1091.10	7.44	-	-	0.00	-	-	0/8 (DRY)
		27-Oct-16	1091.06	1091.10	7.30	-	-	0.00	-	-	0/9 (DRY)
		17-Aug-16	1091.06	1091.10	7.41	-	-	0.00	-	-	15/46 (DRY)
		10-Jun-16	1091.06	1091.10	-	-	-	0.00	-	-	(DRY)
		4-May-16	1091.06	1091.10	7.43	-	7.42	0.00	7.46	1083.65	30/71

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		17-Feb-16	1091.06	1091.10	7.41	-	7.05	0.00	7.09	1084.01	0/21
		9-Nov-15	1091.06	1091.10	7.44	-	6.98	0.00	7.01	1084.09	45/49
		1-Sep-15	1091.06	1091.10	7.40	-	-	0.00	-	-	190/255 (DRY)
		9-Jun-15	1091.06	1091.10	7.41	-	-	0.00	-	-	600/450 (DRY)
		31-Mar-15	1091.06	1091.10	7.41	-	7.00	0.00	7.04	1084.06	810/537
BH1950A	2	30-May-22	1091.04	1091.15	11.03	-	9.83	0.00	9.94	1081.21	0/1
		8-Nov-21	1091.04	1091.15	11.05	-	9.74	0.00	9.85	1081.30	0/0
		7-Jun-21	1091.04	1091.15	11.04	-	9.59	0.00	9.70	1081.45	0/0
		2-Nov-20	1091.04	1091.15	11.04	-	9.66	0.00	9.77	1081.39	0/0
		6-May-20	1091.04	1091.15	11.04	-	10.03	0.00	10.14	1081.02	110/0
		14-Nov-19	1091.04	1091.15	11.07	-	10.15	0.00	10.26	1080.90	0/1
		25-Apr-19	1091.04	1091.15	11.07	-	10.74	0.00	10.85	1080.31	0/1
		5-Oct-18	1091.04	1091.15	11.07	-	10.78	0.00	10.89	1080.26	0/1
		22-Mar-18	-	-	-	-	-	0.00	-	-	Could Not Locate
		5-Sep-17	1091.04	1091.15	11.06	-	10.30	0.00	10.41	1080.74	10/1
		2-May-17	1091.04	1091.15	11.07	-	10.18	0.00	10.28	1080.87	0/2
		27-Feb-17	1091.04	1091.15	11.03	-	10.19	0.00	10.29	1080.86	35/2
		31-Oct-16	1091.04	1091.15	11.06	-	10.23	0.00	10.33	1080.81	0/1
		16-Aug-16	1091.04	1091.15	11.05	-	10.49	0.00	10.59	1080.56	40/0
		4-May-16	1091.04	1091.15	11.45	-	10.22	0.00	10.32	1080.82	5/0
		18-Feb-16	1091.04	1091.15	11.06	-	10.00	0.00	10.10	1081.04	60/1
		10-Nov-15	1091.04	1091.15	11.11	-	10.14	0.00	10.24	1080.90	0/1
		2-Sep-15	1091.04	1091.15	11.02	-	10.22	0.00	10.32	1080.82	0/1
		9-Jun-15	1091.04	1091.15	11.08	-	10.31	0.00	10.42	1080.73	15/0
		5-May-15	1091.04	1091.15	11.05	-	10.30	0.00	10.40	1080.75	35/0
BH1951	5	31-May-22	1068.02	1068.12	3.54	-	2.71	0.00	2.81	1065.31	30/0
		28-Nov-21	1068.02	1068.12	3.55	-	2.88	0.00	2.98	1065.14	0/0
		7-Jun-21	1068.02	1068.12	3.59	-	2.63	0.00	2.72	1065.39	45/0
		2-Nov-20	1068.02	1068.12	3.62	-	2.60	0.00	2.70	1065.42	0/0
		5-May-20	1068.02	1068.12	3.66	-	2.24	0.00	2.34	1065.78	0/0
		12-Nov-19	1068.02	1068.12	3.71	-	2.59	0.00	2.69	1065.43	0/0
		24-Apr-19	1068.02	1068.12	3.71	-	2.36	0.00	2.45	1065.66	0/0
		3-Oct-18	1068.02	1068.12	3.71	-	2.96	0.00	3.06	1065.06	0/0
		21-Mar-18	1068.02	1068.12	3.82	-	2.92	0.00	3.01	1065.11	0/1
		6-Sep-17	1068.02	1068.12	3.80	-	3.12	0.00	3.22	1064.90	0/1
		3-May-17	1068.02	1068.12	3.85	-	2.08	0.00	2.18	1065.94	0/1
		22-Feb-17	1068.02	1068.12	3.86	-	1.93	0.00	2.03	1066.09	0/1
		28-Oct-16	1068.02	1068.12	3.84	-	2.58	0.00	2.67	1065.44	0/1
		18-Aug-16	1068.02	1068.12	3.83	-	1.87	0.00	1.97	1066.15	0/0
		3-May-16	1068.02	1068.12	3.55	-	2.78	0.00	2.88	1065.24	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		17-Feb-16	1068.02	1068.12	3.53	-	2.72	0.00	2.82	1065.30	0/1
		9-Nov-15	1068.02	1068.12	3.58	-	2.64	0.00	2.74	1065.38	20/0
		2-Sep-15	1068.02	1068.12	3.48	-	2.12	0.00	2.22	1065.90	0/2
		9-Jun-15	1068.02	1068.12	4.08	-	2.86	0.00	2.96	1065.16	0/1
		30-Mar-15	1068.02	1068.12	4.10	-	2.52	0.00	2.62	1065.50	0/0
BH1952	2,3	31-May-22	1090.81	1090.99	18.19	-	11.64	0.00	11.82	1079.17	65/1
		9-Nov-21	1090.81	1090.99	18.21	-	11.50	0.00	11.68	1079.31	20/1
		8-Jun-21	1090.81	1090.99	18.24	-	11.72	0.00	11.89	1079.10	0/1
		2-Nov-20	1090.81	1090.99	18.26	-	11.78	0.00	11.96	1079.03	0/2
		6-May-20	1090.81	1090.99	18.31	-	11.84	0.00	12.01	1078.98	0/1
		13-Nov-19	1090.81	1090.99	18.45	-	11.76	0.00	11.94	1079.05	10/1
		3-May-19	1090.81	1090.99	18.67	-	11.86	0.00	12.03	1078.96	10/1
		4-Oct-18	1090.81	1090.99	18.67	-	12.09	0.00	12.27	1078.72	10/1
		19-Mar-18	1090.81	1090.99	18.67	-	11.93	0.00	12.10	1078.89	420/0
		6-Sep-17	1090.81	1090.99	18.48	-	11.95	0.00	12.13	1078.86	0/1
		1-May-17	1090.81	1090.99	18.48	-	11.79	0.00	11.97	1079.02	0/1
		17-Feb-17	1090.81	1090.99	18.50	-	11.73	0.00	11.91	1079.08	0/4
		27-Oct-16	1090.81	1090.99	18.49	-	11.88	0.00	12.05	1078.94	0/2
		17-Aug-16	1090.81	1090.99	18.53	-	11.78	0.00	11.96	1079.03	0/2
		4-May-16	1090.81	1090.99	18.58	-	11.83	0.00	12.01	1078.98	0/0
		17-Feb-16	1090.81	1090.99	18.58	-	11.88	0.00	12.05	1078.93	0/2
		9-Nov-15	1090.81	1090.99	18.74	-	11.85	0.00	12.03	1078.96	25/1
		1-Sep-15	1090.81	1090.99	18.89	-	11.77	0.00	11.95	1079.04	0/1
		9-Jun-15	1090.81	1090.99	16.52	-	11.83	0.00	12.01	1078.98	0/1
		4-May-15	1090.81	1090.99	16.86	-	11.79	0.00	11.96	1079.03	35/2
BH1953	3	31-May-22	1091.28	1091.34	18.63	-	14.84	0.00	14.90	1076.44	30/0
		9-Nov-21	1091.28	1091.34	18.64	-	14.72	0.00	14.78	1076.56	0/0
		8-Jun-21	1091.28	1091.34	18.64	-	14.76	0.00	14.82	1076.52	0/1
		5-Nov-20	1091.28	1091.34	18.64	-	14.65	0.00	14.71	1076.63	0/0
		6-May-20	1091.28	1091.34	18.64	-	14.79	0.00	14.85	1076.49	500/0
		13-Nov-19	1091.28	1091.34	18.18	-	14.81	0.00	14.87	1076.47	0/1
		8-May-19	1091.28	1091.34	18.68	-	14.99	0.00	15.05	1076.29	0/1
		5-Oct-18	1091.28	1091.34	18.68	-	14.94	0.00	14.99	1076.35	0/1
		23-Mar-18	-	-	-	-	-	0.00	-	-	Could Not Locate
		7-Sep-17	1091.28	1091.34	18.67	-	14.96	0.00	15.02	1076.32	0/1
		2-May-17	1091.28	1091.34	18.68	-	15.01	0.00	15.07	1076.28	20/0
		23-Feb-17	1091.28	1091.34	18.68	-	15.07	0.00	15.13	1076.21	0/1
		27-Oct-16	1091.28	1091.34	18.68	-	14.96	0.00	15.02	1076.32	20/0
		16-Aug-16	1091.28	1091.34	18.65	-	15.01	0.00	15.07	1076.27	0/1
		5-May-16	1091.28	1091.34	18.78	-	15.05	0.00	15.11	1076.24	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		18-Feb-16	1091.28	1091.34	18.69	-	14.90	0.00	14.96	1076.39	0/1
		10-Nov-15	1091.28	1091.34	18.77	-	14.94	0.00	15.00	1076.34	0/1
		2-Sep-15	1091.28	1091.34	19.02	-	14.94	0.00	15.00	1076.34	0/1
		9-Jun-15	1091.28	1091.34	18.87	-	14.97	0.00	15.03	1076.32	0/1
		26-Mar-15	1091.28	1091.34	18.90	-	14.95	0.00	15.01	1076.34	0/2
BH1954	3,4,5	31-May-22	1076.76	1076.90	10.70	-	3.30	0.00	3.44	1073.46	20/0
		8-Nov-21	1076.76	1076.90	10.69	-	3.36	0.00	3.49	1073.40	0/0
		8-Jun-21	1076.76	1076.90	10.71	-	3.29	0.00	3.43	1073.47	15/0
		2-Nov-20	1076.76	1076.90	10.68	-	3.24	0.00	3.38	1073.52	0/0
		4-May-20	1076.76	1076.90	10.68	-	3.23	0.00	3.36	1073.53	0/0
		13-Nov-19	1076.76	1076.90	10.94	-	3.23	0.00	3.37	1073.53	0/0
		24-Apr-19	1076.76	1076.90	11.78	-	3.52	0.00	3.65	1073.25	0/0
		4-Oct-18	1076.76	1076.90	11.78	-	3.52	0.00	3.65	1073.25	0/0
		21-Mar-18	1076.76	1076.90	12.07	-	3.46	0.00	3.59	1073.30	0/0
		6-Sep-17	1076.76	1076.90	12.07	-	3.58	0.00	3.72	1073.18	0/0
		3-May-17	1076.76	1076.90	12.16	-	3.33	0.00	3.46	1073.43	0/0
		22-Feb-17	1076.76	1076.90	12.19	-	3.46	0.00	3.59	1073.31	230/3
		28-Oct-16	1076.76	1076.90	12.24	-	3.36	0.00	3.49	1073.40	0/0
		17-Aug-16	1076.76	1076.90	12.24	-	3.31	0.00	3.45	1073.45	0/0
		3-May-16	1076.76	1076.90	9.36	-	3.25	0.00	3.38	1073.51	5/1
		17-Feb-16	1076.76	1076.90	9.36	-	3.27	0.00	3.40	1073.50	0/1
		9-Nov-15	1076.76	1076.90	9.30	-	3.29	0.00	3.42	1073.47	0/0
		1-Sep-15	1076.76	1076.90	9.40	-	3.23	0.00	3.37	1073.53	0/1
		9-Jun-15	1076.76	1076.90	9.43	-	3.25	0.00	3.39	1073.51	0/1
		19-Mar-15	1076.76	1076.90	13.42	-	3.48	0.00	3.62	1073.28	0/0
BH1955	5	Well decommissioned on 31 March 2016.									
		17-Feb-16	1074.04	1074.15	5.94	-	2.53	0.00	2.63	1071.51	0/1
		9-Nov-15	1074.04	1074.15	-	-	2.62	0.00	2.73	1071.42	0/1
		1-Sep-15	1074.04	1074.15	-	-	2.77	0.00	2.88	1071.27	0/1
		9-Jun-15	1074.04	1074.15	7.39	-	4.44	0.00	4.55	1069.60	0/1
		19-Mar-15	1074.04	1074.15	8.89	-	2.39	0.00	2.49	1071.66	20 Hex
BH1955A	5	1-Jun-22	1073.95	1074.13	8.37	-	2.13	0.00	2.32	1071.82	0/0
		8-Nov-21	1073.95	1074.13	8.52	-	2.24	0.00	2.42	1071.71	0/0
		8-Jun-21	1073.95	1074.13	8.46	-	2.15	0.00	2.33	1071.80	55/0
		2-Nov-20	1073.95	1074.13	8.23	-	2.18	0.00	2.37	1071.76	15/0
		6-May-20	1073.95	1074.13	8.08	-	2.04	0.00	2.22	1071.91	0/0
		13-Nov-19	1073.95	1074.13	8.38	-	2.08	0.00	2.27	1071.86	0/1
		24-Apr-19	1073.95	1074.13	8.68	-	2.13	0.00	2.31	1071.82	0/1
		4-Oct-18	1073.95	1074.13	8.68	-	2.28	0.00	2.46	1071.67	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		21-Mar-18	1073.95	1074.13	9.24	-	2.28	0.00	2.47	1071.66	10/1
		6-Sep-17	1073.95	1074.13	9.23	-	2.43	0.00	2.62	1071.52	15/0
		3-May-17	1073.95	1074.13	9.69	-	2.03	0.00	2.21	1071.92	0/1
		22-Feb-17	1073.95	1074.13	9.73	-	2.18	0.00	2.36	1071.77	0/2
		27-Oct-16	1073.95	1074.13	10.54	-	2.10	0.00	2.28	1071.85	0/1
		17-Aug-16	1073.95	1074.13	10.51	-	2.06	0.00	2.24	1071.89	0/1
		3-May-16	1073.95	1074.13	9.41	-	2.54	0.00	2.72	1071.41	15/1
		1-Apr-16	Installed to replace BH1955 on 1 April 2016.								
BH1956	3	30-May-22	1084.76	1084.92	13.12	-	10.60	0.00	10.76	1074.16	0/1
		9-Nov-21	1084.76	1084.92	13.20	-	9.04	0.00	9.19	1075.73	35/0
		7-Jun-21	1084.76	1084.92	13.28	-	9.03	0.00	9.19	1075.73	40/0
		2-Nov-20	1084.76	1084.92	13.30	-	8.90	0.00	9.06	1075.86	0/0
		6-May-20	1084.76	1084.92	13.47	-	9.02	0.00	9.18	1075.74	0/0
		12-Dec-19	1084.76	1084.92	13.64	-	8.89	0.00	9.04	1075.88	10/1
		25-Apr-19	1084.76	1084.92	14.32	-	9.18	0.00	9.33	1075.59	10/1
		5-Oct-18	1084.76	1084.92	14.31	-	9.15	0.00	9.31	1075.61	10/1
		22-Mar-18	1084.76	1084.92	14.31	-	9.20	0.00	9.36	1075.56	10/0
		6-Sep-17	1084.76	1084.92	14.06	-	9.12	0.00	9.28	1075.64	10/0
		2-May-17	1084.76	1084.92	14.12	-	9.21	0.00	9.37	1075.55	0/0
		27-Feb-17	1084.76	1084.92	14.13	-	9.29	0.00	9.45	1075.47	0/1
		31-Oct-16	1084.76	1084.92	14.14	-	9.24	0.00	9.40	1075.52	80/0
		16-Aug-16	1084.76	1084.92	14.10	-	9.33	0.00	9.49	1075.43	6/0
		3-May-16	1084.76	1084.92	14.18	-	9.38	0.00	9.54	1075.38	10/1
		18-Feb-16	1084.76	1084.92	14.21	-	9.30	0.00	9.46	1075.46	0/1
		10-Nov-15	1084.76	1084.92	14.33	-	9.29	0.00	9.44	1075.48	0/1
		2-Sep-15	1084.76	1084.92	14.37	-	9.33	0.00	9.49	1075.43	0/1
		9-Jun-15	1084.76	1084.92	13.55	-	9.38	0.00	9.54	1075.38	5/0
		5-May-15	1084.76	1084.92	13.58	-	9.32	0.00	9.48	1075.44	20/0
BH1957	3	16-Jun-22	1089.87	1089.98	13.94	-	9.96	0.00	10.07	1079.91	20/0
		20-Sep-21	1089.87	1089.98	13.95	-	9.98	0.00	10.09	1079.89	70/0
		20-Sep-21	1089.87	1089.98	13.95	-	9.98	0.00	10.09	1079.89	70/0
		27-Nov-20	1089.87	1089.98	13.95	-	9.97	0.00	10.08	1079.90	0/0
		29-May-20	1089.87	1089.98	13.96	-	10.10	0.00	10.20	1079.78	0/0
		3-Jan-20	1089.87	1089.98	13.96	-	10.05	0.00	10.16	1079.82	0/0
		2-May-19	1089.87	1089.98	13.96	-	10.25	0.00	10.35	1079.63	0/0
		7-Nov-18	1089.87	1089.98	13.96	-	10.25	0.00	10.35	1079.63	0/0
		19-Mar-18	1089.87	1089.98	14.01	-	10.24	0.00	10.35	1079.63	0/0
		7-Sep-17	1089.87	1089.98	13.97	-	10.18	0.00	10.29	1079.69	0/1
		26-Apr-17	1089.87	1089.98	14.00	-	10.12	0.00	10.23	1079.75	0/1
		24-Feb-17	1089.87	1089.98	13.99	-	10.18	0.00	10.29	1079.69	0/3

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		31-Oct-16	1089.87	1089.98	13.97	-	10.08	0.00	10.19	1079.79	0/2
		17-Aug-16	1089.87	1089.98	14.00	-	10.17	0.00	10.28	1079.70	10/0
		4-May-16	1089.87	1089.98	14.02	-	10.13	0.00	10.23	1079.75	15/1
		16-Feb-16	1089.87	1089.98	14.00	-	10.05	0.00	10.16	1079.82	0/1
		9-Nov-15	1089.87	1089.98	13.99	-	10.09	0.00	10.20	1079.78	0/0
		1-Sep-15	1089.87	1089.98	14.05	-	10.06	0.00	10.17	1079.81	15/2
		9-Jun-15	1089.87	1089.98	14.22	-	10.15	0.00	10.25	1079.73	0/1
		17-Mar-15	1089.87	1089.98	13.26	-	10.04	0.00	10.15	1079.83	0/1
BH1958	3	16-Jun-22	1090.26	1090.41	14.49	-	9.70	0.00	9.85	1080.55	15/0
		20-Sep-21	1090.26	1090.41	14.73	-	9.68	0.00	9.83	1080.57	0/0
		26-Nov-20	1090.26	1090.41	14.55	-	9.72	0.00	9.88	1080.53	0/0
		26-May-20	1090.26	1090.41	14.73	-	9.80	0.00	9.95	1080.46	0/0
		3-Jan-20	1090.26	1090.41	14.73	-	9.80	0.00	9.95	1080.45	0/0
		2-May-19	1090.26	1090.41	14.73	-	9.99	0.00	10.14	1080.27	0/0
		7-Nov-18	1090.26	1090.41	14.73	-	9.99	0.00	10.14	1080.27	0/0
		19-Mar-18	1090.26	1090.41	15.26	-	9.99	0.00	10.14	1080.27	50/1
		7-Sep-17	1090.26	1090.41	14.74	-	9.92	0.00	10.07	1080.34	0/0
		26-Apr-17	1090.26	1090.41	15.26	-	9.87	0.00	10.02	1080.39	0/0
		24-Feb-17	1090.26	1090.41	14.77	-	9.96	0.00	10.12	1080.29	0/3
		31-Oct-16	1090.26	1090.41	14.79	-	9.83	0.00	9.98	1080.42	0/1
		17-Aug-16	1090.26	1090.41	14.77	-	9.93	0.00	10.08	1080.33	10/0
		4-May-16	1090.26	1090.41	12.61	-	9.84	0.00	10.00	1080.41	10/1
		16-Feb-16	1090.26	1090.41	12.54	-	9.75	0.00	9.90	1080.50	0/2
		9-Nov-15	1090.26	1090.41	12.57	-	9.80	0.00	9.95	1080.45	0/0
		1-Sep-15	1090.26	1090.41	12.56	-	9.77	0.00	9.92	1080.49	0/2
		9-Jun-15	1090.26	1090.41	12.70	-	9.89	0.00	10.05	1080.36	5/0
		14-Mar-15	1090.26	1090.41	14.90	-	9.93	0.00	10.08	1080.33	0/0
		23-Feb-15	1090.26	1090.41	14.05	-	9.90	0.00	10.05	1080.36	0/2
BH1959	3	The monitoring well was located beneath a staging area and could not be measured or tested.									
		20-Sep-21	1090.27	1090.42	15.22	-	9.17	0.00	9.32	1081.10	145/0
		27-Nov-20	1090.27	1090.42	15.19	-	9.24	0.00	9.39	1081.03	0/0
		29-May-20	1090.27	1090.42	15.22	-	9.40	0.00	9.55	1080.87	0/0
		3-Jan-20	1090.27	1090.42	15.21	-	9.38	0.00	9.53	1080.89	0/0
		2-May-19	1090.27	1090.42	15.21	-	9.51	0.00	9.66	1080.76	0/0
		7-Nov-18	1090.27	1090.42	15.24	-	9.51	0.00	9.66	1080.76	0/0
		19-Mar-18	-	-	-	-	-	0.00	-	-	Could Not Locate
		7-Sep-17	1090.27	1090.42	15.25	-	9.49	0.00	9.64	1080.78	25/0
		26-Apr-17	1090.27	1090.42	14.77	-	9.41	0.00	9.56	1080.86	45/1
		24-Feb-17	1090.27	1090.42	15.24	-	9.48	0.00	9.62	1080.79	0/2
		31-Oct-16	1090.27	1090.42	15.26	-	9.40	0.00	9.55	1080.87	90/2

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		17-Aug-16	1090.27	1090.42	15.23	-	9.47	0.00	9.62	1080.80	10/0
		4-May-16	1090.27	1090.42	15.29	-	9.48	0.00	9.63	1080.79	15/1
		16-Feb-16	1090.27	1090.42	15.30	-	9.41	0.00	9.55	1080.86	0/0
		12-Nov-15	1090.27	1090.42	15.46	-	9.44	0.00	9.59	1080.83	0/0
		1-Sep-15	1090.27	1090.42	15.43	-	9.41	0.00	9.56	1080.86	25/2
		9-Jun-15	1090.27	1090.42	15.62	-	9.50	0.00	9.65	1080.76	15/0
		19-Mar-15	1090.27	1090.42	15.40	-	9.48	0.00	9.63	1080.79	105/1
BH1960	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		3-Jan-20	1090.26	1090.42	3.28	-	-	0.00	-	-	0/0 (DRY)
		2-May-19	1090.26	1090.42	3.28	-	-	0.00	-	-	0/0 (DRY)
		7-Nov-18	1090.26	1090.42	3.28	-	-	0.00	-	-	0/0 (DRY)
		19-Mar-18	-	-	-	-	-	0.00	-	-	Could Not Locate
		7-Sep-17	1090.26	1090.42	3.31	-	-	0.00	-	-	25/0 (DRY)
		26-Apr-17	1090.26	1090.42	3.28	-	-	0.00	-	-	0/0 (DRY)
		24-Feb-17	1090.26	1090.42	3.30	-	-	0.00	-	-	0/2 (DRY)
		31-Oct-16	1090.26	1090.42	3.28	-	-	0.00	-	-	0/0 (DRY)
		17-Aug-16	1090.26	1090.42	3.27	-	-	0.00	-	-	20/0 (DRY)
		4-May-16	1090.26	1090.42	3.29	-	-	0.00	-	-	0/1 (DRY)
		16-Feb-16	1090.26	1090.42	3.27	-	-	0.00	-	-	20/0 (DRY)
		12-Nov-15	1090.26	1090.42	3.28	-	-	0.00	-	-	0/0 (DRY)
		1-Sep-15	1090.26	1090.42	3.27	-	-	0.00	-	-	0/1 (DRY)
		9-Jun-15	1090.26	1090.42	3.29	-	-	0.00	-	-	15/0 (DRY)
		19-Mar-15	1090.26	1090.42	3.40	-	-	0.00	-	-	0/0 (DRY)
BH1961	3,4	1-Jun-22	1076.67	1076.79	11.20	-	4.19	0.00	4.31	1072.48	0/0
		9-Nov-21	1076.67	1076.79	11.17	-	4.37	0.00	4.49	1072.30	0/0
		8-Jun-21	1076.67	1076.79	11.21	-	4.28	0.00	4.40	1072.39	45/0
		2-Nov-20	1076.67	1076.79	11.25	-	4.39	0.00	4.50	1072.28	0/0
		6-May-20	1076.67	1076.79	11.33	-	4.09	0.00	4.21	1072.58	0/0
		13-Nov-19	1076.67	1076.79	11.33	-	4.27	0.00	4.39	1072.40	0/0
		25-Apr-19	1076.67	1076.79	11.44	-	4.16	0.00	4.28	1072.51	0/0
		19-Oct-18	1076.67	1076.79	11.44	-	4.43	0.00	4.55	1072.24	0/0
		21-Mar-18	1076.67	1076.79	11.52	-	4.48	0.00	4.60	1072.19	0/0
		6-Sep-17	1076.67	1076.79	11.44	-	4.76	0.00	4.88	1071.91	25/0
		1-May-17	1076.67	1076.79	11.51	-	4.10	0.00	4.21	1072.58	0/1
		23-Feb-17	1076.67	1076.79	11.53	-	4.28	0.00	4.39	1072.40	0/4
		27-Oct-16	1076.67	1076.79	11.59	-	4.55	0.00	4.67	1072.12	10/1
		18-Aug-16	1076.67	1076.79	11.61	-	4.83	0.00	4.94	1071.85	0/2
		3-May-16	1076.67	1076.79	10.71	-	4.22	0.00	4.33	1072.46	0/0
		18-Feb-16	1076.67	1076.79	10.73	-	4.23	0.00	4.35	1072.44	0/1
		9-Nov-15	1076.67	1076.79	10.76	-	4.30	0.00	4.42	1072.37	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		1-Sep-15	1076.67	1076.79	10.94	-	4.40	0.00	4.52	1072.27	0/1
		9-Jun-15	1076.67	1076.79	10.94	-	4.37	0.00	4.49	1072.30	0/1
		21-Apr-15	1076.67	1076.79	11.82	-	4.24	0.00	4.35	1072.44	20/1
BH1962	3	1-Jun-22	1078.36	1078.48	9.41	-	3.05	0.00	3.17	1075.31	0/0
		9-Nov-21	1078.36	1078.48	9.35	-	3.09	0.00	3.21	1075.27	0/0
		8-Jun-21	1078.36	1078.48	9.37	-	2.90	0.00	3.02	1075.46	25/0
		2-Nov-20	1078.36	1078.48	9.64	-	3.11	0.00	3.23	1075.25	0/0
		6-May-20	1078.36	1078.48	9.55	-	3.00	0.00	3.12	1075.36	0/0
		13-Nov-19	1078.36	1078.48	9.38	-	3.11	0.00	3.22	1075.26	0/1
		25-Apr-19	1078.36	1078.48	9.96	-	3.07	0.00	3.19	1075.29	0/1
		5-Oct-18	1078.36	1078.48	9.95	-	3.26	0.00	3.37	1075.11	0/1
		21-Mar-18	1078.36	1078.48	9.85	-	3.17	0.00	3.29	1075.19	0/0
		6-Sep-17	1078.36	1078.48	9.82	-	3.34	0.00	3.46	1075.02	20/0
		1-May-17	1078.36	1078.48	10.66	-	3.01	0.00	3.13	1075.35	0/0
		23-Feb-17	1078.36	1078.48	10.68	-	3.14	0.00	3.26	1075.22	0/4
		27-Oct-16	1078.36	1078.48	11.25	-	3.10	0.00	3.22	1075.26	10/1
		18-Aug-16	1078.36	1078.48	11.23	-	3.03	0.00	3.14	1075.34	0/2
		3-May-16	1078.36	1078.48	9.81	-	3.18	0.00	3.30	1075.18	5/0
		18-Feb-16	1078.36	1078.48	9.91	-	3.02	0.00	3.14	1075.34	0/0
		9-Nov-15	1078.36	1078.48	9.93	-	3.08	0.00	3.20	1075.28	0/1
		1-Sep-15	1078.36	1078.48	10.42	-	3.12	0.00	3.24	1075.24	0/1
		9-Jun-15	1078.36	1078.48	12.32	-	3.19	0.00	3.31	1075.17	0/1
		9-Apr-15	1078.36	1078.48	12.41	-	3.11	0.00	3.23	1075.25	20/0
BH1963	3	1-Jun-22	1080.84	1080.96	10.74	-	3.83	0.00	3.95	1077.01	0/0
		9-Nov-21	1080.84	1080.96	10.77	-	3.84	0.00	3.97	1076.99	5/1
		8-Jun-21	1080.84	1080.96	10.77	-	3.83	0.00	3.95	1077.01	60/0
		2-Nov-20	1080.84	1080.96	10.80	-	3.84	0.00	3.96	1077.00	0/0
		6-May-20	1080.84	1080.96	10.82	-	3.76	0.00	3.88	1077.08	0/0
		13-Nov-19	1080.84	1080.96	10.83	-	3.85	0.00	3.98	1076.98	5/1
		25-Apr-19	1080.84	1080.96	10.92	-	3.88	0.00	4.00	1076.96	5/1
		5-Oct-18	1080.84	1080.96	10.92	-	4.00	0.00	4.12	1076.84	10/0
		21-Mar-18	1080.84	1080.96	10.98	-	3.95	0.00	4.08	1076.88	0/0
		6-Sep-17	1080.84	1080.96	10.92	-	4.04	0.00	4.16	1076.80	35/0
		1-May-17	1080.84	1080.96	10.94	-	3.74	0.00	3.86	1077.10	0/0
		23-Feb-17	1080.84	1080.96	10.96	-	3.87	0.00	3.99	1076.97	60/4
		27-Oct-16	1080.84	1080.96	10.95	-	3.81	0.00	3.94	1077.02	10/0
		18-Aug-16	1080.84	1080.96	10.92	-	3.30	0.00	3.42	1077.54	0/1
		3-May-16	1080.84	1080.96	10.21	-	3.88	0.00	4.01	1076.95	0/0
		18-Feb-16	1080.84	1080.96	10.21	-	3.82	0.00	3.94	1077.02	0/1
		9-Nov-15	1080.84	1080.96	10.24	-	3.86	0.00	3.98	1076.98	0/5

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		1-Sep-15	1080.84	1080.96	10.29	-	3.79	0.00	3.91	1077.05	0/1
		9-Jun-15	1080.84	1080.96	10.10	-	3.89	0.00	4.01	1076.95	0/1
		9-Apr-15	1080.84	1080.96	10.90	-	3.83	0.00	3.95	1077.01	0/0
BH1964	4	1-Jun-22	1076.77	1076.90	8.45	-	4.11	0.00	4.24	1072.66	0/0
		9-Nov-21	1076.77	1076.90	8.46	-	4.15	0.00	4.27	1072.63	0/0
		8-Jun-21	1076.77	1076.90	8.45	-	4.09	0.00	4.22	1072.68	40/0
		2-Nov-20	1076.77	1076.90	8.45	-	4.15	0.00	4.28	1072.62	0/0
		6-May-20	1076.77	1076.90	8.26	-	3.85	0.00	3.98	1072.92	0/0
		13-Nov-19	1076.77	1076.90	8.41	-	4.04	0.00	4.17	1072.73	0/0
		25-Apr-19	1076.77	1076.90	8.44	-	4.01	0.00	4.14	1072.76	0/0
		19-Oct-18	1076.77	1076.90	8.44	-	4.21	0.00	4.34	1072.56	0/0
		21-Mar-18	1076.77	1076.90	8.46	-	4.06	0.00	4.19	1072.71	0/0
		6-Sep-17	1076.77	1076.90	8.47	-	4.64	0.00	4.77	1072.13	25/0
		1-May-17	1076.77	1076.90	8.46	-	3.92	0.00	4.05	1072.85	0/0
		23-Feb-17	1076.77	1076.90	8.48	-	4.06	0.00	4.19	1072.71	0/3
		27-Oct-16	1076.77	1076.90	8.44	-	4.15	0.00	4.28	1072.62	15/0
		18-Aug-16	1076.77	1076.90	8.42	-	4.14	0.00	4.27	1072.63	0/0
		3-May-16	1076.77	1076.90	8.46	-	4.03	0.00	4.16	1072.74	0/0
		18-Feb-16	1076.77	1076.90	8.42	-	4.04	0.00	4.17	1072.73	0/0
		9-Nov-15	1076.77	1076.90	8.44	-	4.20	0.00	4.33	1072.57	0/1
		1-Sep-15	1076.77	1076.90	8.45	-	4.16	0.00	4.29	1072.61	0/0
		9-Jun-15	1076.77	1076.90	8.46	-	4.23	0.00	4.36	1072.54	0/1
		22-Apr-15	1076.77	1076.90	8.46	-	4.03	0.00	4.15	1072.75	1,350/1
BH1965	2	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		13-Nov-19	1091.27	1091.37	10.90	-	-	0.00	-	-	0/0 (DRY)
		8-May-19	1091.27	1091.37	10.90	-	-	0.00	-	-	0/0 (DRY)
		5-Oct-18	1091.27	1091.37	10.90	-	-	0.00	-	-	0/0 (DRY)
		23-Mar-18	-	-	-	-	-	0.00	-	-	Could Not Locate
		7-Sep-17	1091.27	1091.37	10.94	-	-	0.00	-	-	10/1 (DRY)
		2-May-17	1091.27	1091.37	10.90	-	-	0.00	-	-	10/0 (DRY)
		23-Feb-17	1091.27	1091.37	10.92	-	-	0.00	-	-	0/1 (DRY)
		27-Oct-16	1091.27	1091.37	10.91	-	-	0.00	-	-	0/1 (DRY)
		16-Aug-16	1091.27	1091.37	10.90	-	-	0.00	-	-	0/1 (DRY)
		5-May-16	1091.27	1091.37	10.96	-	-	0.00	-	-	0/1 (DRY)
		18-Feb-16	1091.27	1091.37	10.91	-	-	0.00	-	-	0/1 (DRY)
		10-Nov-15	1091.27	1091.37	10.90	-	-	0.00	-	-	0/0 (DRY)
		2-Sep-15	1091.27	1091.37	10.99	-	-	0.00	-	-	0/0 (DRY)
		9-Jun-15	1091.27	1091.37	10.88	-	-	0.00	-	-	0/1 (DRY)
		25-Mar-15	1091.27	1091.37	10.90	-	-	0.00	-	-	0/0 (DRY)

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
BH1966	3	31-May-22	1089.42	1089.52	16.51	-	10.52	0.00	10.62	1078.90	0/0
		9-Nov-21	1089.42	1089.52	16.52	-	10.58	0.00	10.68	1078.84	15/0
		7-Jun-21	1089.42	1089.52	16.51	-	10.53	0.00	10.63	1078.89	25/0
		2-Nov-20	1089.42	1089.52	16.52	-	10.49	0.00	10.59	1078.93	10/0
		6-May-20	1089.42	1089.52	16.50	-	10.65	0.00	10.75	1078.77	0/1
		14-Nov-19	1089.42	1089.52	16.53	-	10.68	0.00	10.78	1078.74	0/0
		8-May-19	1089.42	1089.52	16.57	-	10.89	0.00	10.99	1078.53	0/0
		9-Oct-18	1089.42	1089.52	16.57	-	10.88	0.00	10.98	1078.54	0/0
		20-Mar-18	1089.42	1089.52	16.52	-	10.81	0.00	10.91	1078.61	0/0
		5-Sep-17	1089.42	1089.52	16.54	-	10.81	0.00	10.91	1078.61	5/0
		1-May-17	1089.42	1089.52	16.55	-	10.78	0.00	10.88	1078.64	0/0
		19-Feb-17	1089.42	1089.52	16.57	-	10.75	0.00	10.85	1078.67	0/1
		27-Oct-16	1089.42	1089.52	16.57	-	10.69	0.00	10.79	1078.73	25/0
		16-Aug-16	1089.42	1089.52	16.63	-	10.77	0.00	10.87	1078.65	0/0
		4-May-16	1089.42	1089.52	16.57	-	10.73	0.00	10.83	1078.69	0/0
		17-Feb-16	1089.42	1089.52	16.57	-	10.66	0.00	10.76	1078.76	0/0
		9-Nov-15	1089.42	1089.52	16.79	-	10.70	0.00	10.80	1078.72	0/0
		1-Sep-15	1089.42	1089.52	10.57	-	10.70	0.00	10.80	1078.72	0/0
		9-Jun-15	1089.42	1089.52	16.61	-	10.74	0.00	10.84	1078.68	5/0
		27-Apr-15	1089.42	1089.52	16.69	-	10.72	0.00	10.82	1078.70	0/0
		24-Feb-15	1089.42	1089.52	16.20	-	10.62	0.00	10.72	1078.80	0/1
BH1967	2	31-May-22	1090.10	1090.21	8.59	-	7.15	0.00	7.25	1082.96	25/0
		8-Nov-21	1090.10	1090.21	8.60	-	7.04	0.00	7.15	1083.06	15/1
		7-Jun-21	1090.10	1090.21	8.59	-	6.61	0.00	6.72	1083.49	15/0
		2-Nov-20	1090.10	1090.21	8.60	-	6.86	0.00	6.97	1083.24	0/0
		6-May-20	1090.10	1090.21	8.61	-	6.88	0.00	6.98	1083.22	0/3
		14-Nov-19	1090.10	1090.21	8.60	-	6.89	0.00	7.00	1083.21	0/0
		8-May-19	1090.10	1090.21	8.62	-	7.70	0.00	7.80	1082.41	0/0
		9-Oct-18	1090.10	1090.21	8.62	-	7.67	0.00	7.78	1082.43	0/0
		20-Mar-18	1090.10	1090.21	8.62	-	7.68	0.00	7.78	1082.43	0/0
		5-Sep-17	1090.10	1090.21	8.64	-	7.70	0.00	7.80	1082.41	0/0
		1-May-17	1090.10	1090.21	8.62	-	7.43	0.00	7.54	1082.67	0/0
		16-Feb-17	1090.10	1090.21	8.62	-	7.33	0.00	7.44	1082.77	0/3
		27-Oct-16	1090.10	1090.21	8.60	-	7.05	0.00	7.16	1083.05	20/0
		16-Aug-16	1090.10	1090.21	8.60	-	7.50	0.00	7.61	1082.60	0/0
		4-May-16	1090.10	1090.21	8.59	-	7.53	0.00	7.63	1082.58	0/1
		17-Feb-16	1090.10	1090.21	8.58	-	7.23	0.00	7.34	1082.87	20/0
		9-Nov-15	1090.10	1090.21	8.62	-	7.07	0.00	7.18	1083.03	0/0
		1-Sep-15	1090.10	1090.21	8.60	-	7.46	0.00	7.57	1082.64	0/2
		9-Jun-15	1090.10	1090.21	8.59	-	7.44	0.00	7.54	1082.67	5/1
		25-Feb-15	1090.10	1090.21	8.60	-	7.83	0.00	7.93	1082.28	350/185

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
BH1968	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		14-Nov-19	1090.08	1090.20	5.15	-	-	0.00	-	-	0/0 (DRY)
		8-May-19	1090.08	1090.20	5.15	-	-	0.00	-	-	0/0 (DRY)
		9-Oct-18	1090.08	1090.20	5.15	-	-	0.00	-	-	0/0 (DRY)
		20-Mar-18	1090.08	1090.20	5.15	-	-	0.00	-	-	0/0 (DRY)
		5-Sep-17	1090.08	1090.20	5.16	-	-	0.00	-	-	40/0 (DRY)
		1-May-17	1090.08	1090.20	5.15	-	-	0.00	-	-	0/0 (DRY)
		16-Feb-17	1090.08	1090.20	5.15	-	-	0.00	-	-	0/8 (DRY)
		27-Oct-16	1090.08	1090.20	5.14	-	-	0.00	-	-	30/0 (DRY)
		16-Aug-16	1090.08	1090.20	5.12	-	-	0.00	-	-	0/0 (DRY)
		4-May-16	1090.08	1090.20	5.16	-	-	0.00	-	-	15/0 (DRY)
		17-Feb-16	1090.08	1090.20	5.12	-	-	0.00	-	-	100/3 (DRY)
		9-Nov-15	1090.08	1090.20	5.12	-	-	0.00	-	-	0/0 (DRY)
		1-Sep-15	1090.08	1090.20	5.12	-	-	0.00	-	-	0/0 (DRY)
		9-Jun-15	1090.08	1090.20	5.15	-	-	0.00	-	-	0/0 (DRY)
		25-Feb-15	1090.08	1090.20	5.12	-	-	0.00	-	-	5/1 (DRY)
BH1969	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		14-Nov-19	1089.39	1089.47	7.55	-	-	0.00	-	-	10/0 (DRY)
		8-May-19	1089.39	1089.47	7.55	-	-	0.00	-	-	10/0 (DRY)
		9-Oct-18	1089.39	1089.47	7.55	-	-	0.00	-	-	10/0 (DRY)
		20-Mar-18	1089.39	1089.47	7.55	-	-	0.00	-	-	15/1 (DRY)
		5-Sep-17	1089.39	1089.47	7.55	-	-	0.00	-	-	0/0 (DRY)
		1-May-17	1089.39	1089.47	7.55	-	-	0.00	-	-	40/0 (DRY)
		16-Feb-17	1089.39	1089.47	7.56	-	-	0.00	-	-	60/0 (DRY)
		27-Oct-16	1089.39	1089.47	7.54	-	-	0.00	-	-	0/0 (DRY)
		16-Aug-16	1089.39	1089.47	7.53	-	-	0.00	-	-	0/0 (DRY)
		4-May-16	1089.39	1089.47	7.55	-	-	0.00	-	-	0/4 (DRY)
		17-Feb-16	1089.39	1089.47	7.25	-	-	0.00	-	-	0/6 (DRY)
		9-Nov-15	1089.39	1089.47	7.52	-	-	0.00	-	-	0/1 (DRY)
		1-Sep-15	1089.39	1089.47	7.46	-	-	0.00	-	-	20/15 (DRY)
		9-Jun-15	1089.39	1089.47	7.56	-	-	0.00	-	-	0/0 (DRY)
		24-Feb-15	1089.39	1089.47	7.53	-	-	0.00	-	-	1,200/450 (DRY)
BH1970	2	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		14-Nov-19	1089.22	1089.30	8.57	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		8-May-19	1089.22	1089.30	8.57	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		9-Oct-18	1089.22	1089.30	8.57	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		20-Mar-18	1089.22	1089.30	8.57	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		5-Sep-17	1089.22	1089.30	8.60	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		1-May-17	1089.22	1089.30	8.57	-	-	0.00	-	-	>11,100/>2,000 (DRY)

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		16-Feb-17	1089.22	1089.30	8.59	-	-	0.00	-	-	500/250 (DRY)
		27-Oct-16	1089.22	1089.30	8.57	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		16-Aug-16	1089.22	1089.30	8.57	-	-	0.00	-	-	1,100/430 (DRY)
		4-May-16	1089.22	1089.30	8.59	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		17-Feb-16	1089.22	1089.30	8.56	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		9-Nov-15	1089.22	1089.30	8.56	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		1-Sep-15	1089.22	1089.30	8.56	-	-	0.00	-	-	>11,100/>2,000 (DRY)
		9-Jun-15	1089.22	1089.30	8.59	-	-	0.00	-	-	920/280 (DRY)
		24-Feb-15	1089.22	1089.30	8.57	-	-	0.00	-	-	1,500/1,850 (DRY)
BH1971	2	31-May-22	1090.76	1090.94	10.97	-	7.02	0.00	7.21	1083.74	0/1
		8-Nov-21	1090.76	1090.94	10.98	-	7.12	0.00	7.30	1083.64	10/1
		7-Jun-21	1090.76	1090.94	10.96	-	6.81	0.00	6.99	1083.95	25/1
		2-Nov-20	1090.76	1090.94	10.96	-	7.16	0.00	7.35	1083.60	15/0
		5-May-20	1090.76	1090.94	10.94	-	7.23	0.00	7.41	1083.53	148/1
		14-Nov-19	1090.76	1090.94	10.97	-	7.36	0.00	7.55	1083.40	125/63
		8-May-19	1090.76	1090.94	11.00	-	7.88	0.00	8.07	1082.88	125/63
		9-Oct-18	1090.76	1090.94	11.00	-	8.10	0.00	8.28	1082.66	1,000/379
		20-Mar-18	1090.76	1090.94	11.02	-	7.84	0.00	8.03	1082.92	3,500/2,000
		5-Sep-17	1090.76	1090.94	10.99	-	8.05	0.00	8.24	1082.70	1,400/741
		1-May-17	1090.76	1090.94	10.97	-	7.55	0.00	7.73	1083.21	300/500
		16-Feb-17	1090.76	1090.94	11.00	-	7.61	0.00	7.80	1083.14	0/1
		27-Oct-16	1090.76	1090.94	10.97	-	7.97	0.00	8.15	1082.79	4,150/1,000
		16-Aug-16	1090.76	1090.94	10.98	-	8.04	0.00	8.23	1082.72	7,000/1,000
		4-May-16	1090.76	1090.94	10.96	-	7.71	0.00	7.90	1083.05	1,200/698
		16-Feb-16	1090.76	1090.94	10.95	-	7.61	0.00	7.80	1083.15	4,500/1,313
		9-Nov-15	1090.76	1090.94	11.00	-	7.73	0.00	7.92	1083.03	8,400/>2,000
		1-Sep-15	1090.76	1090.94	10.97	-	7.95	0.00	8.14	1082.81	1,350/651
		9-Jun-15	1090.76	1090.94	10.97	-	7.80	0.00	7.99	1082.95	200/115
		27-Feb-15	1090.76	1090.94	10.97	-	7.96	0.00	8.15	1082.80	5,000/1,500
BH1972	2	1-Jun-22	1088.79	1088.92	10.97	-	7.02	0.00	7.15	1081.77	0/0
		9-Nov-21	1088.79	1088.92	10.72	-	8.57	0.00	8.70	1080.22	40/2
		7-Jun-21	1088.79	1088.92	10.71	-	9.37	0.00	9.50	1079.42	0/0
		3-Nov-20	1088.79	1088.92	10.75	-	9.58	0.00	9.71	1079.21	0/2
		6-May-20	1088.79	1088.92	10.79	-	8.32	0.00	8.45	1080.47	0/1
		13-Nov-19	1088.79	1088.92	10.91	-	8.22	0.00	8.35	1080.57	0/1
		3-May-19	1088.79	1088.92	10.85	-	8.66	0.00	8.79	1080.13	0/1
		5-Oct-18	1088.79	1088.92	10.85	-	9.98	0.00	10.11	1078.81	0/1
		19-Mar-18	1088.79	1088.92	10.86	-	8.81	0.00	8.94	1079.98	65/0
		6-Sep-17	1088.79	1088.92	10.87	-	8.56	0.00	8.69	1080.23	0/2
		1-May-17	1088.79	1088.92	10.89	-	8.58	0.00	8.71	1080.21	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		17-Feb-17	1088.79	1088.92	10.91	-	8.36	0.00	8.49	1080.43	105/2
		27-Oct-16	1088.79	1088.92	10.90	-	9.07	0.00	9.20	1079.72	60/2
		17-Aug-16	1088.79	1088.92	10.88	-	8.73	0.00	8.86	1080.06	25/1
		4-May-16	1088.79	1088.92	10.90	-	9.69	0.00	9.82	1079.10	0/1
		17-Feb-16	1088.79	1088.92	10.92	-	9.50	0.00	9.63	1079.29	0/1
		9-Nov-15	1088.79	1088.92	10.97	-	8.14	0.00	8.27	1080.65	0/2
		1-Sep-15	1088.79	1088.92	10.98	-	8.14	0.00	8.27	1080.65	0/1
		9-Jun-15	1088.79	1088.92	10.90	-	8.79	0.00	8.92	1080.00	0/2
		6-Apr-15	1088.79	1088.92	10.98	-	9.61	0.00	9.74	1079.18	0/3
BH1973	1	31-May-22	1090.81	1090.93	6.42	-	5.88	0.00	6.00	1084.93	0/0
		8-Nov-21	1090.81	1090.93	6.43	-	6.07	0.00	6.19	1084.74	15/0
		14-Nov-19	1090.81	1090.93	6.45	-	-	0.00	-	-	0/0 (DRY)
		8-May-19	1090.81	1090.93	6.45	-	-	0.00	-	-	0/0 (DRY)
		9-Oct-18	1090.81	1090.93	6.45	-	-	0.00	-	-	0/0 (DRY)
		20-Mar-18	1090.81	1090.93	6.45	-	-	0.00	-	-	0/0 (DRY)
		5-Sep-17	1090.81	1090.93	6.45	-	-	0.00	-	-	0/0 (DRY)
		1-May-17	1090.81	1090.93	6.45	-	6.31	0.00	6.43	1084.50	0/0
		16-Feb-17	1090.81	1090.93	6.26	-	-	0.00	-	-	0/1 (DRY)
		27-Oct-16	1090.81	1090.93	6.42	-	-	0.00	-	-	0/2 (DRY)
		16-Aug-16	1090.81	1090.93	6.42	-	-	0.00	-	-	5/0 (DRY)
		4-May-16	1090.81	1090.93	6.45	-	6.41	0.00	6.53	1084.40	0/0
		16-Feb-16	1090.81	1090.93	6.42	-	6.22	0.00	6.34	1084.59	0/0
		9-Nov-15	1090.81	1090.93	6.44	-	6.17	0.00	6.29	1084.64	5/0
		1-Sep-15	1090.81	1090.93	6.42	-	-	0.00	-	-	0/0 (DRY)
		9-Jun-15	1090.81	1090.93	6.42	-	-	0.00	-	-	0/0 (DRY)
		27-Feb-15	1090.81	1090.93	6.41	-	6.21	0.00	6.33	1084.60	0/0
BH1974	2	31-May-22	1090.07	1090.24	9.90	-	6.29	0.00	6.46	1083.79	70/100
		8-Nov-21	1090.07	1090.24	9.92	-	6.62	0.00	6.80	1083.45	25/11
		7-Jun-21	1090.07	1090.24	9.92	-	6.06	0.00	6.23	1084.01	30/24
		3-Nov-20	1090.07	1090.24	9.93	-	6.62	0.00	6.79	1083.45	20/8
		5-May-20	1090.07	1090.24	9.93	-	6.90	0.00	7.07	1083.17	0/0
		14-Nov-19	1090.07	1090.24	9.99	-	7.13	0.00	7.31	1082.94	0/1
		8-May-19	1090.07	1090.24	10.00	-	7.63	0.00	7.80	1082.44	0/1
		9-Oct-18	1090.07	1090.24	10.00	-	8.18	0.00	8.35	1081.90	50/1
		20-Mar-18	1090.07	1090.24	10.00	-	7.53	0.00	7.70	1082.54	560/314
		5-Sep-17	1090.07	1090.24	9.98	-	8.50	0.00	8.67	1081.57	100/42
		1-May-17	1090.07	1090.24	9.99	-	7.15	0.00	7.33	1082.92	180/24
		16-Feb-17	1090.07	1090.24	10.02	-	7.12	0.00	7.29	1082.96	360/44
		27-Oct-16	1090.07	1090.24	9.98	-	7.25	0.00	7.42	1082.82	440/180
		16-Aug-16	1090.07	1090.24	9.98	-	7.66	0.00	7.83	1082.42	1,750/400

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		4-May-16	1090.07	1090.24	9.99	-	7.28	0.00	7.45	1082.79	400/174
		16-Feb-16	1090.07	1090.24	9.99	-	7.13	0.00	7.30	1082.95	500/222
		9-Nov-15	1090.07	1090.24	9.99	-	7.26	0.00	7.44	1082.81	2,150/790
		1-Sep-15	1090.07	1090.24	9.99	-	7.58	0.00	7.75	1082.49	7,800/1,099
		9-Jun-15	1090.07	1090.24	10.00	-	7.31	0.00	7.48	1082.76	920/280
		26-Feb-15	1090.07	1090.24	10.00	-	7.19	0.00	7.37	1082.88	3,400/925
BH1975	1	As this monitoring well has been dry throughout the last five sampling event it has been removed from the monitoring and sampling program.									
		14-Nov-19	1090.23	1090.39	7.04	-	-	0.00	-	-	0/0 (DRY)
		8-May-19	1090.23	1090.39	7.04	-	-	0.00	-	-	0/0 (DRY)
		9-Oct-18	1090.23	1090.39	7.04	-	-	0.00	-	-	0/0 (DRY)
		20-Mar-18	1090.23	1090.39	7.05	-	-	0.00	-	-	0/1 (DRY)
		5-Sep-17	1090.23	1090.39	7.05	-	-	0.00	-	-	0/0 (DRY)
		1-May-17	1090.23	1090.39	7.05	-	6.79	0.00	6.95	1083.44	0/1
		16-Feb-17	1090.23	1090.39	7.06	-	6.76	0.00	6.93	1083.46	0/7
		27-Oct-16	1090.23	1090.39	7.03	-	6.98	0.00	7.14	1083.25	0/0
		16-Aug-16	1090.23	1090.39	7.03	-	-	0.00	-	-	35/0 (DRY)
		4-May-16	1090.23	1090.39	7.02	-	6.88	0.00	7.04	1083.35	0/0
		16-Feb-16	1090.23	1090.39	7.03	-	6.74	0.00	6.90	1083.49	0/0
		9-Nov-15	1090.23	1090.39	7.08	-	6.93	0.00	7.10	1083.29	0/0
		1-Sep-15	1090.23	1090.39	7.02	-	-	0.00	-	-	0/1 (DRY)
		9-Jun-15	1090.23	1090.39	7.03	-	-	0.00	-	-	0/0 (DRY)
		26-Feb-15	1090.23	1090.39	7.03	-	6.66	0.00	6.82	1083.57	450/0
BH1976	2	31-May-22	1092.63	1092.79	13.43	-	8.579	0.00	8.73	1084.05	10/0
		8-Nov-21	1092.63	1092.79	13.45	-	8.89	0.00	9.05	1083.74	20/0
		8-Jun-21	1092.63	1092.79	13.45	-	8.79	0.00	8.94	1083.84	5/0
		6-Nov-20	1092.63	1092.79	13.45	-	9.03	0.00	9.18	1083.61	5/0
		5-May-20	1092.63	1092.79	13.46	-	9.33	0.00	9.48	1083.31	85/0
		14-Nov-19	1092.63	1092.79	13.46	-	9.43	0.00	9.59	1083.20	0/0
		8-May-19	1092.63	1092.79	13.55	-	9.92	0.00	10.07	1082.72	0/0
		9-Oct-18	1092.63	1092.79	13.55	-	10.18	0.00	10.34	1082.45	0/0
		20-Mar-18	1092.63	1092.79	13.56	-	9.72	0.00	9.88	1082.91	0/0
		1-May-17	1092.63	1092.79	13.58	-	9.56	0.00	9.72	1083.07	15/0
		16-Feb-17	1092.63	1092.79	13.58	-	9.41	0.00	9.57	1083.22	0/0
		27-Oct-16	1092.63	1092.79	13.64	-	9.52	0.00	9.68	1083.11	0/1
		16-Aug-16	1092.63	1092.79	13.66	-	9.76	0.00	9.91	1082.88	0/0
		4-May-16	1092.63	1092.79	13.67	-	9.61	0.00	9.76	1083.02	0/1
		17-Feb-16	1092.63	1092.79	13.75	-	9.51	0.00	9.67	1083.12	25/0
		9-Nov-15	1092.63	1092.79	13.87	-	9.62	0.00	9.77	1083.02	0/1
		1-Sep-15	1092.63	1092.79	13.83	-	9.72	0.00	9.88	1082.91	0/1
		9-Jun-15	1092.63	1092.79	13.86	-	9.71	0.00	9.86	1082.93	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
BH1977	3,4,5	1-Jun-22	1074.04	1074.16	7.04	-	1.08	0.00	1.20	1072.96	5/0
		8-Nov-21	1074.04	1074.16	7.05	-	1.12	0.00	1.24	1072.92	0/1
		8-Jun-21	1074.04	1074.16	7.05	-	1.18	0.00	1.29	1072.87	60/0
		2-Nov-20	1074.04	1074.16	7.04	-	1.05	0.00	1.16	1072.99	5/0
		6-May-20	1074.04	1074.16	7.04	-	1.01	0.00	1.13	1073.03	10/1
		13-Nov-19	1074.04	1074.16	7.05	-	1.01	0.00	1.12	1073.04	10/1
		24-Apr-19	1074.04	1074.16	7.09	-	1.08	0.00	1.19	1072.96	10/1
		4-Oct-18	1074.04	1074.16	7.09	-	1.19	0.00	1.31	1072.85	10/1
		21-Mar-18	1074.04	1074.16	7.13	-	1.19	0.00	1.30	1072.86	30/1
		6-Sep-17	1074.04	1074.16	7.07	-	1.31	0.00	1.42	1072.73	0/1
		3-May-17	1074.04	1074.16	7.11	-	1.04	0.00	1.16	1073.00	0/1
		22-Feb-17	1074.04	1074.16	7.10	-	1.16	0.00	1.27	1072.88	0/1
		27-Oct-16	1074.04	1074.16	7.11	-	0.98	0.00	1.09	1073.07	5/1
		17-Aug-16	1074.04	1074.16	7.11	-	0.91	0.00	1.03	1073.13	0/1
		3-May-16	1074.04	1074.16	6.30	-	1.18	0.00	1.29	1072.87	0/1
		17-Feb-16	1074.04	1074.16	6.27	-	1.17	0.00	1.28	1072.88	0/1
		9-Nov-15	1074.04	1074.16	6.28	-	1.08	0.00	1.20	1072.96	0/1
		1-Sep-15	1074.04	1074.16	6.30	-	1.05	0.00	1.16	1072.99	0/1
		9-Jun-15	1074.04	1074.16	6.29	-	1.15	0.00	1.27	1072.89	0/1
		18-Mar-15	1074.04	1074.16	7.93	-	1.14	0.00	1.25	1072.91	2,800 Hex
BH1978	4,5	31-May-22	1069.24	1069.42	2.87	-	2.01	0.00	0/0	1067.23	0/0
		8-Nov-21	1069.24	1069.42	2.88	-	2.23	0.00	2.41	1067.01	0/0
		7-Jun-21	1069.24	1069.42	2.88	-	2.04	0.00	2.22	1067.20	55/0
		2-Nov-20	1069.24	1069.42	2.87	-	2.10	0.00	2.28	1067.14	0/0
		5-May-20	1069.24	1069.42	2.87	-	1.39	0.00	1.57	1067.85	0/0
		12-Nov-19	1069.24	1069.42	2.88	-	1.69	0.00	1.87	1067.55	0/0
		23-Apr-19	1069.24	1069.42	2.90	-	1.34	0.00	1.52	1067.90	0/0
		3-Oct-18	1069.24	1069.42	2.90	-	2.57	0.00	2.75	1066.67	0/0
		21-Mar-18	1069.24	1069.42	2.91	-	0.75	0.00	0.93	1068.49	0/0
		6-Sep-17	1069.24	1069.42	2.90	-	2.68	0.00	2.86	1066.56	25/0
		3-May-17	1069.24	1069.42	2.91	-	1.33	0.00	1.51	1067.91	0/0
		21-Feb-17	1069.24	1069.42	2.90	-	1.70	0.00	1.87	1067.55	0/2
		28-Oct-16	1069.24	1069.42	2.88	-	2.08	0.00	2.25	1067.17	0/1
		17-Aug-16	1069.24	1069.42	2.88	-	1.53	0.00	1.70	1067.72	0/1
		3-May-16	1069.24	1069.42	2.90	-	2.07	0.00	2.25	1067.17	0/0
		17-Feb-16	1069.24	1069.42	2.89	-	1.44	0.00	1.62	1067.80	0/0
		9-Nov-15	1069.24	1069.42	2.91	-	2.15	0.00	2.33	1067.09	0/0
		2-Sep-15	1069.24	1069.42	2.88	-	1.90	0.00	2.08	1067.34	0/0
		9-Jun-15	1069.24	1069.42	2.91	-	2.09	0.00	2.27	1067.15	0/1
		26-Mar-15	1069.24		3.05	-	1.37	0.00	1.55	1067.87	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
BH1979	3	31-May-22	1078.71	1078.78	6.79	-	5.66	0.00	5.73	1073.06	0/0
		8-Nov-22	1078.71	1078.78	6.78	-	5.73	0.00	5.80	1072.98	10/1
		7-Jun-21	1078.71	1078.78	6.82	-	5.60	0.00	5.67	1073.12	75/0
		2017-2020					Well could not be located.				
		3-May-16	1078.71	1078.78	6.74	-	5.74	0.00	5.81	1072.98	0/0
		17-Feb-16	1078.71	1078.78	6.75	-	5.70	0.00	5.77	1073.02	0/1
		12-Nov-15	1078.71	1078.78	6.79	-	5.68	0.00	5.75	1073.03	0/1
		2-Sep-15	1078.71	1078.78	6.76	-	5.73	0.00	5.80	1072.98	0/1
		9-Jun-15	1078.71	1078.78	6.82	-	5.76	0.00	5.83	1072.95	0/1
		8-Apr-15	1078.71	1078.78	6.76	-	5.71	0.00	5.78	1073.00	15/0
BH1980	4	31-May-22	1074.24	1074.31	5.35	-	2.56	0.00	2.63	1071.68	90/10
		9-Nov-21	1074.24	1074.31	5.32	-	2.59	0.00	2.65	1071.65	0/0
		7-Jun-21	1074.24	1074.31	5.33	-	2.60	0.00	2.67	1071.64	760/6
		2-Nov-20	1074.24	1074.31	5.43	-	2.59	0.00	2.66	1071.65	8900/2
		6-May-20	1074.24	1074.31	5.45	-	2.71	0.00	2.77	1071.54	110/0
		12-Nov-19	1074.24	1074.31	5.72	-	2.63	0.00	2.69	1071.62	305/0
		24-Apr-19	1074.24	1074.31	5.89	-	2.62	0.00	2.68	1071.63	305/0
		3-Oct-18	1074.24	1074.31	5.89	-	2.64	0.00	2.71	1071.60	510/1
		21-Mar-18	1074.24	1074.31	6.01	-	2.71	0.00	2.77	1071.54	25/0
		7-Sep-17	1074.24	1074.31	6.01	-	2.77	0.00	2.84	1071.47	10/2
		3-May-17	1074.24	1074.31	5.99	-	2.79	0.00	2.86	1071.45	25/0
		21-Feb-17	1074.24	1074.31	6.00	-	2.78	0.00	2.84	1071.46	340/3
		28-Oct-16	1074.24	1074.31	5.99	-	2.19	0.00	2.25	1072.06	5/1
		18-Aug-16	1074.24	1074.31	5.96	-	2.83	0.00	2.89	1071.41	15/0
		3-May-16	1074.24	1074.31	5.64	-	2.89	0.00	2.95	1071.36	25/0
		17-Feb-16	1074.24	1074.31	5.65	-	2.94	0.00	3.00	1071.31	0/2
		10-Nov-15	1074.24	1074.31	5.62	-	2.83	0.00	2.89	1071.41	15/0
		2-Sep-15	1074.24	1074.31	5.84	-	2.82	0.00	2.88	1071.42	0/2
		9-Jun-15	1074.24	1074.31	5.97	-	2.92	0.00	2.98	1071.33	0/1
		8-Apr-15	1074.24	1074.31	6.01	-	2.95	0.00	2.01	1072.30	0/1
BH1981	3	3-Jun-22	1076.99	1077.06	7.67	-	3.49	0.00	3.57	1073.49	0/0
		8-Nov-21	1076.99	1077.06	7.68	-	3.56	0.00	3.63	1073.43	10/0
		7-Jun-21	1076.99	1077.06	7.67	-	3.46	0.00	3.54	1073.52	55/0
		2-Nov-20	1076.99	1077.06	7.67	-	3.41	0.00	3.48	1073.58	0/0
		6-May-20	1076.99	1077.06	7.76	-	3.35	0.00	3.42	1073.64	0/0
		13-Nov-19	1076.99	1077.06	8.45	-	3.44	0.00	3.52	1073.54	0/0
		24-Apr-19	1076.99	1077.06	8.85	-	3.57	0.00	3.64	1073.42	0/0
		4-Oct-18	1076.99	1077.06	8.85	-	3.66	0.00	3.74	1073.32	0/0
		21-Mar-18	1076.99	1077.06	8.90	-	3.64	0.00	3.72	1073.34	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		6-Sep-17	1076.99	1077.06	8.87	-	3.71	0.00	3.79	1073.27	0/1
		3-May-17	1076.99	1077.06	8.92	-	3.52	0.00	3.59	1073.47	0/1
		22-Feb-17	1076.99	1077.06	8.92	-	3.62	0.00	3.69	1073.37	0/3
		28-Oct-16	1076.99	1077.06	8.94	-	3.53	0.00	3.60	1073.46	0/1
		17-Aug-16	1076.99	1077.06	8.90	-	3.46	0.00	3.54	1073.53	0/1
		3-May-16	1076.99	1077.06	7.79	-	3.63	0.00	3.70	1073.36	0/0
		17-Feb-16	1076.99	1077.06	7.75	-	3.64	0.00	3.71	1073.35	0/1
		9-Nov-15	1076.99	1077.06	7.76	-	3.69	0.00	3.77	1073.29	0/1
		1-Sep-15	1076.99	1077.06	7.86	-	3.68	0.00	3.76	1073.31	0/1
		9-Jun-15	1076.99	1077.06	7.83	-	3.66	0.00	3.74	1073.32	0/1
		27-Mar-15	1076.99	1077.06	9.15	-	3.64	0.00	3.72	1073.34	0/0
BH1982	3	31-May-22	1080.85	1080.96	7.62	-	6.32	0.00	6.43	1074.54	0/0
		9-Nov-21	1080.85	1080.96	7.21	-	6.25	0.00	6.36	1074.60	0/0
		8-Jun-21	1080.85	1080.96	7.17	-	6.23	0.00	6.35	1074.62	50/0
		2-Nov-20	1080.85	1080.96	7.17	-	6.07	0.00	6.18	1074.78	0/0
		4-May-20	1080.85	1080.96	7.21	-	6.18	0.00	6.29	1074.67	0/0
		12-Nov-19	1080.85	1080.96	7.45	-	6.03	0.00	6.15	1074.82	0/0
		25-Apr-19	1080.85	1080.96	7.50	-	6.36	0.00	6.47	1074.49	0/0
		4-Oct-18	1080.85	1080.96	7.54	-	6.36	0.00	6.48	1074.49	0/0
		21-Mar-18	1080.85	1080.96	7.59	-	6.39	0.00	6.50	1074.47	0/0
		6-Sep-17	1080.85	1080.96	7.56	-	6.40	0.00	6.51	1074.46	Not Measured
		3-May-17	1080.85	1080.96	7.61	-	6.40	0.00	6.51	1074.46	0/0
		22-Feb-17	1080.85	1080.96	7.64	-	6.45	0.00	6.56	1074.40	0/1
		27-Oct-16	1080.85	1080.96	7.81	-	6.36	0.00	6.47	1074.49	40/0
		18-Aug-16	1080.85	1080.96	7.50	-	6.42	0.00	6.54	1074.43	55/0
		3-May-16	1080.85	1080.96	7.78	-	6.52	0.00	6.63	1074.34	0/0
		17-Feb-16	1080.85	1080.96	7.79	-	6.45	0.00	6.57	1074.40	0/1
		10-Nov-15	1080.85	1080.96	7.81	-	6.41	0.00	6.52	1074.45	0/0
		2-Sep-15	1080.85	1080.96	7.96	-	6.46	0.00	6.57	1074.39	0/1
		9-Jun-15	1080.85	1080.96	7.73	-	6.48	0.00	6.60	1074.37	0/1
		31-Mar-15	1080.85	1080.96	7.46	-	5.43	0.00	5.54	1075.42	0/0
BH1983	3	Well decommissioned on 12 April 2016.									
		17-Feb-16	1090.53	1090.64	15.04	-	9.64	0.00	9.74	1080.90	40/2
		12-Nov-15	1090.53	1090.64	-	-	9.65	0.00	9.75	1080.89	0/5
		15-Sep-15	1090.53	1090.64	14.93	-	9.67	0.00	9.77	1080.86	15/14
		9-Jun-15	1090.53	1090.64	14.48	-	9.02	0.00	9.12	1081.52	20/3
		8-May-15	1090.53	1090.64	17.86	-	9.82	0.00	9.92	1080.71	1,050/60
BH1983A	3	15-Jun-22	1090.59	1090.71	17.77	-	9.57	0.00	9.69	1081.01	0/0
		20-Sep-21	1090.59	1090.71	17.80	-	9.62	0.00	9.74	1080.97	15/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		26-Nov-20	1090.59	1090.71	17.79	-	9.59	0.00	9.71	1081.00	0/1
		29-May-20	1090.59	1090.71	17.80	-	9.72	0.00	9.84	1080.87	0/0
		6-Jan-20	-	-	-	-	-	0.00	-	-	Could Not Locate
		1-May-19	1090.59	1090.71	17.87	-	9.84	0.00	9.96	1080.75	0/0
		7-Nov-18	1090.59	1090.71	17.87	-	9.87	0.00	9.98	1080.72	0/0
		23-Mar-18	1090.59	1090.71	17.93	-	9.78	0.00	9.90	1080.81	3,500/1
		24-Feb-17	1090.59	1090.71	17.90	-	9.75	0.00	9.87	1080.84	105/0
		31-Oct-16	1090.59	1090.71	17.95	-	9.62	0.00	9.74	1080.97	0/1
		17-Aug-16	1090.59	1090.71	17.97	-	9.68	0.00	9.80	1080.90	0/0
		3-May-16	1090.59	1090.71	16.22	-	9.73	0.00	9.85	1080.86	45/21
		Well installed to replace BH1983 on 12 April 2016.									
BH1984	3	15-Jun-22	1090.37	1090.46	15.33	-	8.84	0.00	8.93	1081.53	970/505
		20-Sep-21	1090.37	1090.46	15.35	-	8.94	0.00	9.03	1081.42	5430/721
		26-Nov-20	1090.37	1090.46	15.33	-	8.94	0.00	9.03	1081.42	1100/406
		26-May-20	1090.37	1090.46	15.35	-	9.06	0.00	9.15	1081.31	>11,100/>2,000
		6-Jan-20	1090.37	1090.46	15.33	-	9.05	0.00	9.14	1081.32	>11,100/>2,000
		1-May-19	1090.37	1090.46	15.33	-	9.17	0.00	9.26	1081.20	>11,100/>2,000
		7-Nov-18	1090.37	1090.46	15.33	-	9.19	0.00	9.28	1081.18	>11,100/>2,000
		23-Mar-18	1090.37	1090.46	15.55	-	9.12	0.00	9.21	1081.25	>11,100/>2,000
		24-Feb-17	1090.37	1090.46	15.35	-	9.10	0.00	9.19	1081.27	220/160
		31-Oct-16	1090.37	1090.46	15.33	-	8.99	0.00	9.08	1081.38	>11,100/>2,000
		18-Aug-16	1090.37	1090.46	15.29	-	9.10	0.00	9.19	1081.27	0/17
		4-May-16	1090.37	1090.46	15.38	-	9.12	0.00	9.21	1081.25	>11,100/>2,000
		16-Feb-16	1090.37	1090.46	15.41	-	9.04	0.00	9.13	1081.33	5,300/1,990
		12-Nov-15	1090.37	1090.46	15.58	-	9.06	0.00	9.15	1081.31	1,600/937
		15-Sep-15	1090.37	1090.46	15.36	-	9.05	0.00	9.14	1081.32	>11,100/>2,000
		9-Jun-15	1090.37	1090.46	15.47	-	9.12	0.00	9.21	1081.25	35/23
		7-May-15	1090.37	1090.46	15.50	-	9.08	0.00	9.17	1081.29	>11,100/>2,500
BH1985	3	17-Jun-22	1090.21	1090.31	14.14	-	8.60	0.00	8.71	1081.61	35/0
		20-Sep-21	1090.21	1090.31	17.14	-	8.68	0.00	8.78	1081.54	115/0
		26-Nov-20	1090.21	1090.31	17.13	-	8.66	0.00	8.76	1081.55	0/1
		27-May-20	1090.21	1090.31	17.14	-	8.82	0.00	8.92	1081.39	0/0
		6-Jan-20	1090.21	1090.31	17.20	-	8.79	0.00	8.90	1081.42	45/1
		1-May-19	1090.21	1090.31	17.20	-	8.92	0.00	9.02	1081.29	50/1
		7-Nov-18	1090.21	1090.31	17.20	-	8.95	0.00	9.05	1081.27	50/1
		23-Mar-18	1090.21	1090.31	17.44	-	8.88	0.00	8.99	1081.33	155/2
		24-Feb-17	1090.21	1090.31	17.19	-	8.86	0.00	8.96	1081.35	70/0
		31-Oct-16	1090.21	1090.31	17.17	-	8.67	0.00	8.78	1081.54	160/0
		17-Aug-16	1090.21	1090.31	17.20	-	8.84	0.00	8.94	1081.37	0/1
		4-May-16	1090.21	1090.31	17.23	-	8.87	0.00	8.97	1081.35	5/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		16-Feb-16	1090.21	1090.31	17.25	-	8.78	0.00	8.88	1081.43	0/0
		12-Nov-15	1090.21	1090.31	17.37	-	8.81	0.00	8.91	1081.40	0/1
		15-Sep-15	1090.21	1090.31	17.32	-	8.76	0.00	8.86	1081.45	0/0
		9-Jun-15	1090.21	1090.31	17.47	-	8.86	0.00	8.96	1081.36	0/0
		7-May-15	1090.21	1090.31	17.04	-	8.81	0.00	8.91	1081.40	15/0
BH1986	2	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		6-Jan-20	1090.31	1090.42	6.69	-	-	0.00	-	-	0/0 (DRY)
		1-May-19	1090.31	1090.42	6.69	-	-	0.00	-	-	0/0 (DRY)
		7-Nov-18	1090.31	1090.42	6.69	-	-	0.00	-	-	0/0 (DRY)
		23-Mar-18	1090.31	1090.42	6.69	-	-	0.00	-	-	60/14 (DRY)
		24-Feb-17	1090.31	1090.42	6.66	-	-	0.00	-	-	100/2 (DRY)
		31-Oct-16	1090.31	1090.42	6.69	-	-	0.00	-	-	115/17 (DRY)
		18-Aug-16	1090.31	1090.42	6.67	-	-	0.00	-	-	0/0 (DRY)
		4-May-16	1090.31	1090.42	6.70	-	-	0.00	-	-	15/0 (DRY)
		16-Feb-16	1090.31	1090.42	6.67	-	-	0.00	-	-	0/0 (DRY)
		12-Nov-15	1090.31	1090.42	6.68	-	-	0.00	-	-	0/1 (DRY)
		15-Sep-15	1090.31	1090.42	6.69	-	-	0.00	-	-	5/1 (DRY)
		9-Jun-15	1090.31	1090.42	6.71	-	-	0.00	-	-	10/1 (DRY)
		22-Apr-15	1090.31	1090.42	6.69	-	-	0.00	-	-	10/1 (DRY)
BH1987	2	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		6-Jan-20	1090.15	1090.27	6.03	-	-	0.00	-	-	0/0 (DRY)
		1-May-19	1090.15	1090.27	6.03	-	-	0.00	-	-	0/0 (DRY)
		7-Nov-18	1090.15	1090.27	6.03	-	-	0.00	-	-	0/0 (DRY)
		23-Mar-18	1090.15	1090.27	6.03	-	-	0.00	-	-	0/0 (DRY)
		24-Feb-17	1090.15	1090.27	5.98	-	-	0.00	-	-	110/2 (DRY)
		31-Oct-16	1090.15	1090.27	6.00	-	-	0.00	-	-	10/0 (DRY)
		17-Aug-16	1090.15	1090.27	6.01	-	-	0.00	-	-	0/1 (DRY)
		4-May-16	1090.15	1090.27	6.03	-	-	0.00	-	-	0/0 (DRY)
		16-Feb-16	1090.15	1090.27	6.01	-	-	0.00	-	-	0/0 (DRY)
		12-Nov-15	1090.15	1090.27	6.01	-	-	0.00	-	-	0/0 (DRY)
		15-Sep-15	1090.15	1090.27	6.01	-	-	0.00	-	-	0/1 (DRY)
		9-Jun-15	1090.15	1090.27	6.04	-	-	0.00	-	-	0/1 (DRY)
		22-Apr-15	1090.15	1090.27	6.00	-	-	0.00	-	-	0/1 (DRY)
BH1988	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		6-Jan-20	1090.16	1090.26	4.53	-	-	0.00	-	-	0/0 (DRY)
		1-May-19	1090.16	1090.26	4.53	-	-	0.00	-	-	0/0 (DRY)
		7-Nov-18	1090.16	1090.26	4.53	-	-	0.00	-	-	0/0 (DRY)
		23-Mar-18	1090.16	1090.26	4.53	-	-	0.00	-	-	0/0 (DRY)
		24-Feb-17	1090.16	1090.26	4.48	-	-	0.00	-	-	0/2 (DRY)

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		31-Oct-16	1090.16	1090.26	4.49	-	-	0.00	-	-	0/10 (DRY)
		17-Aug-16	1090.16	1090.26	4.50	-	-	0.00	-	-	0/1 (DRY)
		4-May-16	1090.16	1090.26	4.53	-	-	0.00	-	-	0/0 (DRY)
		16-Feb-16	1090.16	1090.26	4.50	-	-	0.00	-	-	0/0 (DRY)
		12-Nov-15	1090.16	1090.26	4.50	-	-	0.00	-	-	0/1 (DRY)
		15-Sep-15	1090.16	1090.26	4.49	-	-	0.00	-	-	0/0 (DRY)
		9-Jun-15	1090.16	1090.26	4.54	-	-	0.00	-	-	0/0 (DRY)
		22-Apr-15	1090.16	1090.26	4.50	-	-	0.00	-	-	0/0 (DRY)
BH2001	5	31-May-22	1069.85	1069.94	4.71	-	1.01	0.00	1.10	1068.84	45/0
		8-Nov-21	1069.85	1069.94	4.73	-	0.99	0.00	1.08	1068.86	20/0
		8-Jun-21	1069.85	1069.94	4.74	-	0.98	0.00	1.07	1068.87	20/0
		2-Nov-20	1069.85	1069.94	4.74	-	0.91	0.00	1.00	1068.94	135/0
		6-May-20	1069.85	1069.94	4.73	-	0.97	0.00	1.06	1068.88	0/0
		13-Nov-19	1069.85	1069.94	4.74	-	0.95	0.00	1.04	1068.91	0/0
		24-Apr-19	1069.85	1069.94	4.74	-	1.03	0.00	1.12	1068.82	0/0
		4-Oct-18	1069.85	1069.94	4.73	-	1.09	0.00	1.18	1068.77	0/0
		21-Mar-18	1069.85	1069.94	4.71	-	1.11	0.00	1.20	1068.74	0/2
		6-Sep-17	1069.85	1069.94	4.70	-	1.11	0.00	1.21	1068.74	80/0
		3-May-17	1069.85	1069.94	4.72	-	1.06	0.00	1.15	1068.79	0/1
		22-Feb-17	1069.85	1069.94	4.71	-	1.10	0.00	1.19	1068.75	0/1
		28-Oct-16	1069.85	1069.94	4.60	-	0.95	0.00	1.04	1068.90	25/4
		17-Aug-16	1069.85	1069.94	4.60	-	0.97	0.00	1.06	1068.88	0/2
		3-May-16	1069.85	1069.94	4.62	-	1.09	0.00	1.18	1068.76	0/1
BH2002	4	31-May-22	1070.03	1070.14	3.79	-	2.36	0.00	2.48	1067.67	30/1
		9-Nov-21	1070.03	1070.14	3.80	-	2.39	0.00	2.51	1067.64	0/0
		7-Jun-21	1070.03	1070.14	3.80	-	2.36	0.00	2.47	1067.67	5/0
		2-Nov-20	1070.03	1070.14	3.79	-	2.40	0.00	2.52	1067.63	0/0
		6-May-20	1070.03	1070.14	3.79	-	2.31	0.00	2.42	1067.72	0/0
		12-Nov-19	1070.03	1070.14	3.80	-	2.39	0.00	2.50	1067.64	0/1
		24-Apr-19	1070.03	1070.14	3.83	-	2.32	0.00	2.43	1067.71	0/1
		3-Oct-18	1070.03	1070.14	3.83	-	2.49	0.00	2.60	1067.54	0/1
		21-Mar-18	1070.03	1070.14	3.83	-	2.43	0.00	2.55	1067.60	0/1
		7-Sep-17	1070.03	1070.14	3.83	-	2.57	0.00	2.68	1067.46	0/1
		3-May-17	1070.03	1070.14	3.83	-	2.33	0.00	2.45	1067.70	0/1
		21-Feb-17	1070.03	1070.14	3.83	-	2.46	0.00	2.58	1067.57	0/1
		28-Oct-16	1070.03	1070.14	3.81	-	2.49	0.00	2.60	1067.54	0/1
		18-Aug-16	1070.03	1070.14	3.80	-	2.40	0.00	2.51	1067.63	0/1
		3-May-16	1070.03	1070.14	3.84	-	2.43	0.00	2.55	1067.60	15/1
BH2003	3	30-May-22	1073.31	1073.48	4.55	-	2.66	0.00	2.82	1070.65	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		9-Nov-21	1073.31	1073.48	4.57	-	2.62	0.00	2.78	1070.69	0/0
		7-Jun-21	1073.31	1073.48	4.56	-	2.64	0.00	2.81	1070.67	20/0
		2-Nov-20	1073.31	1073.48	4.57	-	2.62	0.00	2.79	1070.68	45/0
		6-May-20	1073.31	1073.48	4.58	-	2.64	0.00	2.81	1070.67	0/0
		12-Nov-19	1073.31	1073.48	4.62	-	2.56	0.00	2.73	1070.75	0/0
		24-Apr-19	1073.31	1073.48	4.62	-	2.66	0.00	2.83	1070.64	0/0
		3-Oct-18	1073.31	1073.48	4.62	-	2.67	0.00	2.84	1070.64	0/0
		21-Mar-18	1073.31	1073.48	4.63	-	2.72	0.00	2.89	1070.59	0/0
		7-Sep-17	1073.31	1073.48	4.60	-	2.76	0.00	2.93	1070.54	10/1
		3-May-17	1073.31	1073.48	4.66	-	2.70	0.00	2.87	1070.61	55/1
		21-Feb-17	1073.31	1073.48	4.66	-	2.75	0.00	2.91	1070.56	0/3
		28-Oct-16	1073.31	1073.48	4.64	-	2.69	0.00	2.86	1070.62	55/1
		18-Aug-16	1073.31	1073.48	4.64	-	2.64	0.00	2.80	1070.67	5/0
		3-May-16	1073.31	1073.48	4.60	-	2.74	0.00	2.91	1070.57	5/1
BH2004	4,5	30-May-22	1074.03	1074.18	6.24	-	4.51	0.00	4.66	1069.52	0/1
		8-Nov-21	1074.03	1074.18	6.25	-	4.63	0.00	4.78	1069.40	0/0
		7-Jun-21	1074.03	1074.18	6.26	-	4.51	0.00	4.66	1069.52	60/0
		2-Nov-20	1074.03	1074.18	6.25	-	4.48	0.00	4.63	1069.55	30/0
		6-May-20	1074.03	1074.18	6.26	-	4.31	0.00	4.46	1069.73	0/0
		12-Nov-19	1074.03	1074.18	6.27	-	4.84	0.00	4.98	1069.20	0/0
		25-Apr-19	1074.03	1074.18	6.29	-	4.42	0.00	4.56	1069.62	0/0
		3-Oct-18	1074.03	1074.18	6.29	-	5.10	0.00	5.24	1068.94	5/0
		21-Mar-18	1074.03	1074.18	6.28	-	5.03	0.00	5.18	1069.00	0/4
		6-Sep-17	1074.03	1074.18	6.27	-	5.04	0.00	5.19	1069.00	25/1
		2-May-17	1074.03	1074.18	6.28	-	4.86	0.00	5.01	1069.17	0/0
		23-Feb-17	1074.03	1074.18	6.27	-	5.06	0.00	5.21	1068.97	0/3
		31-Oct-16	1074.03	1074.18	6.26	-	5.21	0.00	5.35	1068.83	0/2
		18-Aug-16	1074.03	1074.18	6.25	-	5.14	0.00	5.29	1068.90	0/1
		3-May-16	1074.03	1074.18	6.28	-	4.70	0.00	4.85	1069.34	15/1
BH2005	3	2-Jun-22	1076.70	1076.84	6.30	-	3.20	0.00	3.34	1073.50	10/0
		8-Nov-21	1076.70	1076.84	6.31	-	3.23	0.00	3.38	1073.46	0/0
		8-Jun-21	1076.70	1076.84	6.32	-	3.21	0.00	3.35	1073.48	40/0
		2-Nov-20	1076.70	1076.84	6.31	-	3.18	0.00	3.33	1073.51	10/0
		6-May-20	1076.70	1076.84	6.31	-	3.08	0.00	3.23	1073.61	0/0
		13-Nov-19	1076.70	1076.84	6.32	-	3.17	0.00	3.32	1073.52	0/0
		24-Apr-19	1076.70	1076.84	6.34	-	3.18	0.00	3.32	1073.52	0/0
		4-Oct-18	1076.70	1076.84	6.34	-	3.33	0.00	3.47	1073.37	0/0
		21-Mar-18	1076.70	1076.84	6.30	-	3.17	0.00	3.31	1073.53	25/0
		6-Sep-17	1076.70	1076.84	6.36	-	3.42	0.00	3.56	1073.28	10/0
		3-May-17	1076.70	1076.84	6.33	-	3.08	0.00	3.22	1073.62	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		22-Feb-17	1076.70	1076.84	6.33	-	3.17	0.00	3.31	1073.53	0/0
		27-Oct-16	1076.70	1076.84	6.31	-	3.02	0.00	3.16	1073.68	0/1
		17-Aug-16	1076.70	1076.84	6.31	-	2.66	0.00	2.80	1074.04	0/1
		3-May-16	1076.70	1076.84	6.40	-	3.23	0.00	3.37	1073.47	0/0
BH2006	3	1-Jun-22	1074.10	1074.24	4.81	-	1.25	0.00	1.39	1072.85	10/0
		8-Nov-21	1074.10	1074.24	4.81	-	1.25	0.00	1.39	1072.85	0/0
		8-Jun-21	1074.10	1074.24	4.82	-	1.25	0.00	1.39	1072.85	35/0
		2-Nov-20	1074.10	1074.24	4.82	-	1.21	0.00	1.35	1072.89	0/0
		6-May-20	1074.10	1074.24	4.81	-	1.23	0.00	1.37	1072.87	0/0
		13-Nov-19	1074.10	1074.24	4.82	-	1.19	0.00	1.33	1072.91	5/1
		24-Apr-19	1074.10	1074.24	4.85	-	1.19	0.00	1.33	1072.91	5/1
		4-Oct-18	1074.10	1074.24	4.84	-	1.31	0.00	1.45	1072.79	10/0
		21-Mar-18	1074.10	1074.24	4.84	-	1.26	0.00	1.40	1072.84	15/1
		6-Sep-17	1074.10	1074.24	4.83	-	1.46	0.00	1.60	1072.64	5/0
		3-May-17	1074.10	1074.24	4.85	-	1.16	0.00	1.30	1072.94	0/1
		22-Feb-17	1074.10	1074.24	4.84	-	1.27	0.00	1.41	1072.83	0/4
		27-Oct-16	1074.10	1074.24	4.83	-	1.30	0.00	1.44	1072.80	35/1
		17-Aug-16	1074.10	1074.24	4.81	-	1.07	0.00	1.21	1073.03	0/1
		3-May-16	1074.10	1074.24	4.81	-	1.28	0.00	1.42	1072.82	10/1
BH2007	3	30-May-22	1091.72	1091.86	16.69	-	11.05	0.00	11.19	1080.67	0/1
		8-Nov-21	1091.72	1091.86	17.08	-	11.03	0.00	11.17	1080.69	20/1
		7-Jun-21	1091.72	1091.86	17.08	-	11.20	0.00	11.35	1080.52	35/0
		2-Nov-20	1091.72	1091.86	17.08	-	11.12	0.00	11.27	1080.60	10/0
		5-May-20	1091.72	1091.86	17.10	-	11.36	0.00	11.50	1080.36	0/0
		13-Nov-19	1091.72	1091.86	17.14	-	11.25	0.00	11.39	1080.47	0/0
		3-May-19	1091.72	1091.86	17.26	-	11.40	0.00	11.55	1080.31	0/0
		4-Oct-18	1091.72	1091.86	17.26	-	11.40	0.00	11.55	1080.31	0/0
		20-Mar-18	1091.72	1091.86	17.38	-	11.37	0.00	11.52	1080.35	0/0
		5-Sep-17	1091.72	1091.86	17.18	-	11.42	0.00	11.57	1080.30	20/1
		26-Apr-17	1091.72	1091.86	17.21	-	11.15	0.00	11.30	1080.57	0/1
		21-Feb-17	1091.72	1091.86	17.25	-	11.22	0.00	11.36	1080.50	0/4
		31-Oct-16	1091.72	1091.86	17.27	-	9.38	0.00	9.52	1082.34	0/1
		17-Aug-16	1091.72	1091.86	17.20	-	11.24	0.00	11.38	1080.48	0/1
		3-May-16	1091.72	1091.86	14.83	-	11.27	0.00	11.41	1080.45	50/1
BH2008	2	30-May-22	1091.80	1091.93	9.60	-	6.57	0.00	6.70	1085.23	0/1
		8-Nov-21	1091.80	1091.93	12.27	-	6.66	0.00	6.80	1085.13	30/1
		8-Jun-21	1091.80	1091.93	12.33	-	9.32	0.00	9.46	1082.47	35/0
		2-Nov-20	1091.80	1091.93	12.14	-	8.96	0.00	9.09	1082.84	30/0
		5-May-20	1091.80	1091.93	12.39	-	9.60	0.00	9.74	1082.19	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		13-Nov-19	1091.80	1091.93	12.54	-	9.40	0.00	9.54	1082.39	0/0
		3-May-19	1091.80	1091.93	12.49	-	10.44	0.00	10.57	1081.36	0/0
		4-Oct-18	1091.80	1091.93	12.49	-	10.44	0.00	10.57	1081.36	0/0
		20-Mar-18	1091.80	1091.93	12.57	-	10.08	0.00	10.21	1081.72	0/0
		5-Sep-17	1091.80	1091.93	12.59	-	10.30	0.00	10.43	1081.50	25/0
		26-Apr-17	1091.80	1091.93	12.57	-	9.43	0.00	9.57	1082.36	25/0
		21-Feb-17	1091.80	1091.93	12.60	-	9.55	0.00	9.68	1082.25	0/3
		31-Oct-16	1091.80	1091.93	12.58	-	11.09	0.00	11.22	1080.71	0/1
		17-Aug-16	1091.80	1091.93	12.58	-	9.80	0.00	9.93	1082.00	0/0
		10-Jun-16	1091.80	1091.93	-	-	10.18	0.00	10.31	1081.62	-
		3-May-16	1091.80	1091.93	12.62	-	10.16	0.00	10.30	1081.64	0/1
BH2009	1	As this monitoring well has been dry throughout every sampling event it has been removed from the monitoring and sampling program.									
		13-Nov-19	1091.95	1092.02	4.92	-	-	0.00	-	-	0/0 (DRY)
		3-May-19	1091.95	1092.02	4.92	-	-	0.00	-	-	0/0 (DRY)
		4-Oct-18	1091.95	1092.02	4.92	-	-	0.00	-	-	0/0 (DRY)
		20-Mar-18	1091.95	1092.02	4.92	-	-	0.00	-	-	0/0 (DRY)
		5-Sep-17	1091.95	1092.02	4.94	-	-	0.00	-	-	5/0 (DRY)
		26-Apr-17	1091.95	1092.02	4.92	-	-	0.00	-	-	5/0 (DRY)
		21-Feb-17	1091.95	1092.02	4.95	-	-	0.00	-	-	0/3 (DRY)
		31-Oct-16	1091.95	1092.02	4.92	-	-	0.00	-	-	15/0 (DRY)
		17-Aug-16	1091.95	1092.02	4.90	-	-	0.00	-	-	0/0 (DRY)
		3-May-16	1091.95	1092.02	4.94	-	4.92	0.00	5.00	1087.02	0/0 (Insufficient Water)
BH2010	3	30-May-22	1094.27	1094.38	17.97	-	13.70	0.00	13.81	1080.57	0/0
		8-Nov-21	1094.27	1094.38	18.52	-	13.75	0.00	13.86	1080.52	5/0
		8-Jun-21	1094.27	1094.38	18.52	-	13.81	0.00	13.91	1080.47	40/0
		2-Nov-20	1094.27	1094.38	18.69	-	13.72	0.00	13.83	1080.55	0/0
		5-May-20	1094.27	1094.38	18.69	-	13.93	0.00	14.04	1080.34	0/0
		13-Nov-19	1094.27	1094.38	18.68	-	13.94	0.00	14.04	1080.34	0/0
		3-May-19	1094.27	1094.38	18.65	-	13.98	0.00	14.08	1080.29	0/0
		4-Oct-18	1094.27	1094.38	18.65	-	13.98	0.00	14.08	1080.29	0/0
		20-Mar-18	1094.27	1094.38	18.65	-	13.97	0.00	14.07	1080.30	40/1
		5-Sep-17	1094.27	1094.38	18.628	-	14.10	0.00	14.21	1080.17	50/1
		26-Apr-17	1094.27	1094.38	18.645	-	13.74	0.00	13.85	1080.53	0/2
		16-Feb-17	1094.27	1094.38	18.66	-	14.05	0.00	14.15	1080.23	0/3
		31-Oct-16	1094.27	1094.38	18.64	-	13.99	0.00	14.10	1080.28	60/2
		17-Aug-16	1094.27	1094.38	18.63	-	13.84	0.00	13.95	1080.43	0/0
		3-May-16	1094.27	1094.38	16.78	-	13.87	0.00	13.98	1080.40	5/1
BH2011	2	30-May-22	1094.07	1094.26	13.87	-	10.67	0.00	10.86	1083.41	0/1
		8-Nov-21	1094.07	1094.26	13.89	-	10.61	0.00	10.80	1083.46	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		8-Jun-21	1094.07	1094.26	13.89	-	11.39	0.00	11.58	1082.68	15/0
		2-Nov-20	1094.07	1094.26	13.90	-	11.24	0.00	11.43	1082.83	0/2
		5-May-20	1094.07	1094.26	14.04	-	11.67	0.00	11.86	1082.40	0/0
		13-Nov-19	1094.07	1094.26	14.04	-	11.60	0.00	11.79	1082.48	0/0
		3-May-19	1094.07	1094.26	13.96	-	-	0.00	-	-	0/1 (DRY)
		4-Oct-18	1094.07	1094.26	13.96	-	13.66	0.00	13.85	1080.41	0/0
		20-Mar-18	1094.07	1094.26	13.96	-	-	0.00	-	-	0/1 (DRY)
		5-Sep-17	1094.07	1094.26	13.96	-	-	0.00	-	-	0/2 (DRY)
		26-Apr-17	1094.07	1094.26	13.96	-	12.59	0.00	12.78	1081.48	0/1
		17-Feb-17	1094.07	1094.26	13.97	-	13.95	0.00	14.14	1080.12	0/3 (Insufficient Water)
		31-Oct-16	1094.07	1094.26	13.93	-	-	0.00	-	-	20/1 (DRY)
		17-Aug-16	1094.07	1094.26	13.94	-	12.50	0.00	12.69	1081.57	0/1
		10-Jun-16	1094.07	1094.26	-	-	13.32	0.00	13.51	1080.75	-
		3-May-16	1094.07	1094.26	13.94	-	11.69	0.00	11.88	1082.38	0/2
BH2012	3	30-May-22	1094.72	1094.90	16.32	-	13.47	0.00	13.65	1081.25	0/0
		9-Nov-21	1094.72	1094.90	17.62	-	13.39	0.00	13.57	1081.33	5/1
		8-Jun-21	1094.72	1094.90	17.67	-	13.47	0.00	13.65	1081.25	0/0
		2-Nov-20	1094.72	1094.90	17.94	-	13.37	0.00	13.55	1081.36	5/2
		5-May-20	1094.72	1094.90	17.94	-	13.59	0.00	13.77	1081.13	0/0
		13-Nov-19	1094.72	1094.90	17.94	-	13.49	0.00	13.67	1081.23	0/1
		3-May-19	1094.72	1094.90	18.07	-	13.62	0.00	13.80	1081.11	0/1
		4-Oct-18	1094.72	1094.90	18.07	-	13.62	0.00	13.80	1081.11	0/1
		20-Mar-18	1094.72	1094.90	17.82	-	13.60	0.00	13.78	1081.13	0/2
		5-Sep-17	1094.72	1094.90	17.86	-	13.62	0.00	13.80	1081.10	5/0
		26-Apr-17	1094.72	1094.90	17.80	-	13.42	0.00	13.60	1081.31	0/0
		22-Feb-17	1094.72	1094.90	17.88	-	13.55	0.00	13.73	1081.18	0/0
		31-Oct-16	1094.72	1094.90	18.00	-	13.36	0.00	13.54	1081.36	10/1
		17-Aug-16	1094.72	1094.90	17.95	-	13.52	0.00	13.70	1081.21	0/1
		3-May-16	1094.72	1094.90	16.08	-	13.54	0.00	13.72	1081.18	65/1
BH3001A	3	1-Jun-22	1070.46	1070.52	2.78	-	1.38	0.00	1.44	1069.08	0/1
		8-Nov-21	1070.46	1070.52	2.79	-	1.29	0.00	1.36	1069.17	0/0
		7-Jun-21	1070.46	1070.52	2.80	-	1.40	0.00	1.46	1069.06	45/0
		2-Nov-20	1070.46	1070.52	2.79	-	1.24	0.00	1.31	1069.21	0/0
		5-May-20	1070.46	1070.52	2.79	-	0.99	0.00	1.06	1069.46	0/0
		12-Nov-19	1070.46	1070.52	2.79	-	1.22	0.00	1.29	1069.24	0/0
		23-Apr-19	1070.46	1070.52	2.81	-	1.25	0.00	1.31	1069.21	0/0
		3-Oct-18	1070.46	1070.52	2.80	-	1.31	0.00	1.38	1069.15	0/0
		3-May-18	1070.46	1070.52	2.79	-	1.21	0.00	1.28	1069.25	5/0
BH3001B	3	1-Jun-22	1070.43	1070.50	4.28	-	1.80	0.00	1.88	1068.63	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		8-Nov-21	1070.43	1070.50	4.28	-	1.86	0.00	1.93	1068.57	10/0
		7-Jun-21	1070.43	1070.50	4.29	-	1.83	0.00	1.90	1068.60	40/0
		2-Nov-20	1070.43	1070.50	4.28	-	1.79	0.00	1.87	1068.64	15/0
		5-May-20	1070.43	1070.50	4.29	-	1.47	0.00	1.54	1068.96	0/0
		12-Nov-19	1070.43	1070.50	4.29	-	1.63	0.00	1.71	1068.79	0/0
		23-Apr-19	1070.43	1070.50	4.31	-	1.80	0.00	1.88	1068.62	0/0
		3-Oct-18	1070.43	1070.50	4.31	-	1.97	0.00	2.04	1068.46	0/0
		3-May-18	1070.43	1070.50	4.28	-	1.57	0.00	1.65	1068.86	0/0
BH3001C	4	1-Jun-22	1070.35	1070.44	5.95	-	2.75	0.00	2.84	1067.60	0/0
		8-Nov-21	1070.35	1070.44	5.95	-	3.07	0.00	3.15	1067.28	0/0
		7-Jun-21	1070.35	1070.44	5.96	-	2.74	0.00	2.82	1067.61	30/1
		2-Nov-20	1070.35	1070.44	5.95	-	2.91	0.00	3.00	1067.44	40/0
		5-May-20	1070.35	1070.44	5.95	-	2.33	0.00	2.42	1068.02	0/0
		12-Nov-19	1070.35	1070.44	5.96	-	2.58	0.00	2.67	1067.77	0/0
		23-Apr-19	1070.35	1070.44	6.00	-	2.64	0.00	2.72	1067.72	0/0
		3-Oct-18	1070.35	1070.44	5.99	-	3.21	0.00	3.29	1067.14	0/0
		3-May-18	1070.35	1070.44	5.95	-	2.46	0.00	2.55	1067.89	0/0
BH3002A	3	1-Jun-22	1073.25	1073.37	3.68	-	1.34	0.00	1.45	1071.92	0/1
		8-Nov-21	1073.25	1073.37	3.68	-	1.61	0.00	1.73	1071.64	0/0
		7-Jun-21	1073.25	1073.37	3.69	-	1.36	0.00	1.47	1071.90	65/0
		2-Nov-20	1073.25	1073.37	3.68	-	1.56	0.00	1.68	1071.69	0/0
		5-May-20	1073.25	1073.37	3.67	-	0.96	0.00	1.07	1072.30	0/1
		12-Nov-19	1073.25	1073.37	3.69	-	1.36	0.00	1.47	1071.89	0/0
		23-Apr-19	1073.25	1073.37	3.72	-	1.17	0.00	1.28	1072.08	0/0
		3-Oct-18	1073.25	1073.37	3.72	-	2.27	0.00	2.38	1070.98	0/0
		3-May-18	1073.25	1073.37	3.69	-	1.14	0.00	1.26	1072.11	290/0
BH3002B	4	1-Jun-22	1073.22	1073.30	7.41	-	5.11	0.00	5.19	1068.11	0/0
		8-Nov-21	1073.22	1073.30	7.47	-	5.49	0.00	5.57	1067.73	0/0
		7-Jun-21	1073.22	1073.30	7.45	-	5.12	0.00	5.20	1068.10	70/0
		2-Nov-20	1073.22	1073.30	7.47	-	5.37	0.00	5.45	1067.85	0/0
		5-May-20	1073.22	1073.30	7.47	-	4.71	0.00	4.79	1068.51	0/0
		12-Nov-19	1073.22	1073.30	7.47	-	5.17	0.00	5.24	1068.06	0/0
		23-Apr-19	1073.22	1073.30	7.48	-	5.16	0.00	5.23	1068.07	0/0
		3-Oct-18	1073.22	1073.30	7.48	-	5.79	0.00	5.87	1067.43	0/0
		3-May-18	1073.22	1073.30	7.50	-	4.93	0.00	5.01	1068.29	1,600/1
BH3003A	3	1-Jun-22	1073.08	1073.15	2.88	-	1.50	0.00	1.57	1071.59	0/0
		8-Nov-21	1073.08	1073.15	2.88	-	1.88	0.00	1.95	1071.20	0/0
		7-Jun-21	1073.08	1073.15	2.89	-	1.56	0.00	1.63	1071.52	20/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		2-Nov-20	1073.08	1073.15	2.88	-	1.89	0.00	1.96	1071.19	0/0
		5-May-20	1073.08	1073.15	2.88	-	0.81	0.00	0.88	1072.27	0/0
		12-Nov-19	1073.08	1073.15	2.89	-	1.35	0.00	1.42	1071.73	0/0
		23-Apr-19	1073.08	1073.15	2.91	-	1.06	0.00	1.13	1072.03	0/0
		3-Oct-18	1073.08	1073.15	2.91	-	2.27	0.00	2.34	1070.81	0/0
		3-May-18	1073.08	1073.15	2.89	-	1.11	0.00	1.18	1071.97	-
BH3003B	4	1-Jun-22	1072.95	1073.07	7.73	-	5.05	0.00	5.17	1067.90	0/1
		8-Nov-21	1072.95	1073.07	7.73	-	5.43	0.00	5.55	1067.52	0/0
		20-Sep-21	1072.95	1073.07	6.90	-	5.05	0.00	5.17	1067.90	65/1
		2-Nov-20	1072.95	1073.07	7.74	-	5.33	0.00	5.45	1067.62	0/0
		5-May-20	1072.95	1073.07	7.73	-	4.58	0.00	4.70	1068.37	0/0
		12-Nov-19	1072.95	1073.07	7.75	-	5.08	0.00	5.21	1067.86	0/0
		23-Apr-19	1072.95	1073.07	7.77	-	4.85	0.00	4.97	1068.09	0/1
		3-Oct-18	1072.95	1073.07	7.77	-	5.67	0.00	5.79	1067.28	5/1
		3-May-18	1072.95	1073.07	7.74	-	4.77	0.00	4.89	1068.18	780/0
BH4002	3	15-Jun-22	1091.10	1091.00	13.12	-	9.57	0.00	9.47	1081.53	240/197
		20-Sep-21	1091.10	1091.00	13.11	-	9.76	0.00	9.65	1081.34	1200/304
		26-Nov-20	1091.10	1091.00	13.06	-	9.79	0.00	9.69	1081.31	1150/713
		26-May-20	1091.10	1091.00	13.05	-	9.83	0.00	9.72	1081.28	850/130
		8-Jan-20	1091.10	1091.00	13.07	-	9.76	0.00	9.66	1081.34	0/0
		2-Jul-19	1091.10	1091.00	13.32	-	10.05	0.00	9.94	1081.05	6450/58
BH4003A	3	15-Jun-22	1090.97	1090.87	11.88	-	9.58	0.00	9.48	1081.39	320/332
		20-Sep-21	1090.97	1090.87	11.87	-	9.74	0.00	9.64	1081.22	1000/309
		26-Nov-20	1090.97	1090.87	11.87	-	9.69	0.00	9.59	1081.27	2150/765
		26-May-20	1090.97	1090.87	11.87	-	9.79	0.00	9.69	1081.17	9600/412
		8-Jan-20	1090.97	1090.87	11.88	-	9.79	0.00	9.69	1081.17	0/0
		6-Jul-19	1090.97	1090.87	12.51	-	10.01	0.00	9.91	1080.96	4300/12
BH4003B	3	15-Jun-22	1090.97	1090.92	16.32	-	9.78	0.00	9.73	1081.19	15/0
		20-Sep-21	1090.97	1090.92	16.29	-	9.94	0.00	9.88	1081.04	15/0
		26-Nov-20	1090.97	1090.92	16.28	-	9.83	0.00	9.77	1081.14	0/0
		26-May-20	1090.97	1090.92	16.28	-	9.53	0.00	9.48	1081.44	30/11
		8-Jan-20	1090.97	1090.92	16.28	-	9.96	0.00	9.90	1081.01	0/1
		2-Jul-19	1090.97	1090.92	16.16	-	10.06	0.00	10.01	1080.91	210/1
BH4004A	3	15-Jun-22	1090.69	1090.62	12.96	-	9.57	0.00	9.50	1081.12	0/1
		20-Sep-21	1090.69	1090.62	12.97	-	9.66	0.00	9.60	1081.02	55/1
		26-Nov-20	1090.69	1090.62	12.98	-	9.67	0.00	9.61	1081.02	0/0
		1-Jun-20	1090.69	1090.62	12.96	-	9.71	0.00	9.65	1080.97	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		7-Jan-20	1090.69	1090.62	12.98	-	9.79	0.00	9.73	1080.90	0/1
		5-Jul-19	1090.69	1090.62	12.97	-	9.79	0.00	9.73	1080.89	730/1
BH4004B	3	15-Jun-22	1090.71	1090.64	15.94	-	9.80	0.00	9.73	1080.91	0/1
		20-Sep-21	1090.71	1090.64	15.93	-	9.88	0.00	9.81	1080.83	30/0
		26-Nov-20	1090.71	1090.64	15.94	-	10.12	0.00	10.05	1080.59	0/1
		1-Jun-20	1090.71	1090.64	15.93	-	9.90	0.00	9.83	1080.81	50/1
		7-Jan-20	1090.71	1090.64	15.94	-	9.93	0.00	9.86	1080.78	0/0
		2-Jul-19	1090.71	1090.64	16.10	-	10.07	0.00	10.00	1080.64	2000/3
BH4005	3	15-Jun-22	1090.41	1090.36	12.33	-	9.03	0.00	8.97	1081.39	5/4
		20-Sep-21	1090.41	1090.36	12.32	-	9.16	0.00	9.10	1081.25	75/25
		26-Nov-20	1090.41	1090.36	12.32	-	9.15	0.00	9.10	1081.26	150/45
		1-Jun-20	1090.41	1090.36	12.31	-	9.24	0.00	9.18	1081.18	460/93
		7-Jan-20	1090.41	1090.36	12.32	-	9.20	0.00	9.14	1081.21	0/0
		2-Jul-19	1090.41	1090.36	12.34	-	9.33	0.00	9.28	1081.08	670/10
BH4006	3	15-Jun-22	1090.62	1090.51	12.21	-	9.04	0.00	8.92	1081.59	930/4
		20-Sep-21	1090.62	1090.51	12.20	-	9.15	0.00	9.04	1081.47	90/9
		26-Nov-20	1090.62	1090.51	12.20	-	9.12	0.00	9.01	1081.50	240/1
		1-Jun-20	1090.62	1090.51	12.19	-	9.25	0.00	9.13	1081.38	50/54
		8-Jan-20	1090.62	1090.51	12.21	-	9.25	0.00	9.13	1081.38	0/1
		3-Jul-19	1090.62	1090.51	13.01	-	9.38	0.00	9.27	1081.24	710/18
BH4007	3	15-Jun-22	1090.73	1090.65	10.96	-	9.33	0.00	9.25	1081.40	15/11
		20-Sep-21	1090.73	1090.65	11.42	-	9.44	0.00	9.36	1081.29	590/237
		26-Nov-20	1090.73	1090.65	11.22	-	9.41	0.00	9.33	1081.32	150/75
		1-Jun-20	1090.73	1090.65	11.42	-	9.51	0.00	9.44	1081.21	170/70
		6-Jan-20	1090.73	1090.65	11.54	-	9.52	0.00	9.44	1081.21	0/0
		3-Jul-19	1090.73	1090.65	11.78	-	9.59	0.00	9.52	1081.14	130/1
BH4008A	3	15-Jun-22	1090.83	1090.74	12.01	-	9.22	0.00	9.13	1081.61	0/1
		20-Sep-21	1090.83	1090.74	12.04	-	9.34	0.00	9.25	1081.49	0/1
		26-Nov-20	1090.83	1090.74	12.04	-	9.43	0.00	9.34	1081.40	0/9
		26-May-20	1090.83	1090.74	12.04	-	9.43	0.00	9.34	1081.40	0/9
		9-Jan-20	1090.83	1090.74	12.04	-	9.35	0.00	9.26	1081.48	0/0
		17-Oct-19	1090.83	1090.74	12.04	-	9.45	0.00	9.36	1081.38	0/0
BH4008B	3	15-Jun-22	1090.84	1090.76	16.65	-	9.31	0.00	9.23	1081.52	420/0
		20-Sep-21	1090.84	1090.76	16.74	-	9.58	0.00	9.50	1081.26	95/0
		26-Nov-20	1090.84	1090.76	16.74	-	9.60	0.00	9.52	1081.24	0/1
		26-May-20	1090.84	1090.76	16.74	-	9.71	0.00	9.63	1081.13	60/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		9-Jan-20	1090.84	1090.76	16.75	-	9.58	0.00	9.50	1081.26	0/0
		17-Oct-19	1090.84	1090.76	15.89	-	9.61	0.00	9.53	1081.23	0/0
BH4009A	3	15-Jun-22	1091.52	1091.43	12.06	-	9.97	0.00	9.88	1081.55	5/0
		20-Sep-21	1091.52	1091.43	12.06	-	10.12	0.00	10.03	1081.41	0/0
		26-Nov-20	1091.52	1091.43	12.06	-	10.08	0.00	9.99	1081.45	10/1
		26-May-20	1091.52	1091.43	12.05	-	10.19	0.00	10.10	1081.33	0/1
		9-Jan-20	1091.52	1091.43	12.06	-	10.11	0.00	10.02	1081.42	0/0
		17-Oct-19	1091.52	1091.43	12.06	-	10.09	0.00	10.00	1081.43	0/0
BH4009B	3	15-Jun-22	1091.56	1091.44	15.91	-	10.12	0.00	9.99	1081.44	35/0
		20-Sep-21	1091.56	1091.44	15.88	-	10.27	0.00	10.15	1081.29	0/1
		26-Nov-20	1091.56	1091.44	15.88	-	10.12	0.00	9.99	1081.44	10/1
		26-May-20	1091.56	1091.44	15.88	-	10.29	0.00	10.17	1081.27	25/1
		9-Jan-20	1091.56	1091.44	15.90	-	10.20	0.00	10.07	1081.36	0/0
		17-Oct-19	1091.56	1091.44	16.74	-	10.19	0.00	10.06	1081.37	0/0
BH5001	5	31-May-22	1069.38	1069.47	2.78	-	1.46	0.00	1.55	1067.92	0/0
		8-Nov-21	1069.38	1069.47	2.81	-	1.35	0.00	1.44	1068.03	0/2
		7-Jun-21	1069.38	1069.47	2.81	-	1.44	0.00	1.53	1067.94	105/0
BH5002	5	30-May-22	1065.68	1065.83	2.58	-	1.51	0.00	1.66	1064.17	75/1
		8-Nov-21	1065.68	1065.83	2.58	-	1.43	0.00	1.58	1064.25	5/2
		7-Jun-21	1065.68	1065.83	2.59	-	1.50	0.00	1.65	1064.18	80/1
BH6001	3	30-May-22	1089.36	1089.47	12.77	-	11.12	0.00	11.23	1078.24	30/5
		8-Nov-21	1089.36	1089.47	12.76	-	11.16	0.00	11.27	1078.20	30/2
		7-Jun-21	1089.36	1089.47	12.77	-	11.01	0.00	11.12	1078.35	20/3
BH6002	3	31-May-22	1089.55	1089.67	13.65	-	11.02	0.00	11.14	1078.53	50/17
		8-Nov-21	1089.55	1089.67	13.66	-	11.06	0.00	11.17	1078.50	195-178
		7-Jun-21	1089.55	1089.67	13.66	-	10.88	0.00	10.99	1078.68	35/6
BH6003	3	31-May-22	1089.77	1089.88	12.68	-	10.95	0.00	11.06	1078.82	85/11
		8-Nov-21	1089.77	1089.88	12.66	-	11.00	0.00	11.12	1078.77	135/36
		7-Jun-21	1089.77	1089.88	12.66	-	10.82	0.00	10.94	1078.94	980/186
BH6004	3	31-May-22	1089.66	1089.78	12.09	-	10.53	0.00	10.64	1079.14	95/23
		8-Nov-21	1089.66	1089.78	12.08	-	10.63	0.00	10.75	1079.03	670/315
		7-Jun-21	1089.66	1089.78	12.09	-	10.47	0.00	10.59	1079.19	3000/345
BH6005	3	31-May-22	1089.08	1089.31	12.14	-	9.98	0.00	10.21	1079.10	6200/>2000

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		8-Nov-21	1089.08	1089.31	12.12	-	9.98	9.00	10.21	1079.10	9587/1460
		7-Jun-21	1089.08	1089.31	12.14	-	9.82	0.00	10.05	1079.26	9000/686
BH6006	3	30-May-22	1091.38	1091.50	15.16	-	13.65	0.00	13.78	1077.72	110/76
		8-Nov-21	1091.38	1091.50	15.16	-	13.56	0.00	13.68	1077.82	4300/988
		7-Jun-21	1091.38	1091.50	15.15	-	13.57	0.00	13.69	1077.81	1650/305
BH510A	3	30-May-22	1091.04	1091.15	16.53	-	13.50	0.00	13.61	1077.54	0/0
		9-Nov-21	1091.04	1091.15	16.54	-	13.78	0.00	13.89	1077.26	30/0
		7-Jun-21	1091.04	1091.15	16.54	-	13.39	0.00	13.50	1077.65	15/0
		2-Nov-20	1091.04	1091.15	16.52	-	13.41	0.00	13.52	1077.63	5/8
		6-May-20	1091.04	1091.15	16.52	-	13.49	0.00	13.60	1077.54	5/14
		14-Nov-19	1091.04	1091.15	16.59	-	13.59	0.00	13.70	1077.45	0/0
		25-Apr-19	1091.04	1091.15	16.77	-	13.72	0.00	13.83	1077.32	0/0
		5-Oct-18	1091.04	1091.15	16.77	-	13.71	0.00	13.82	1077.33	0/0
		22-Mar-18	1091.04	1091.15	17.26	-	13.70	0.00	13.81	1077.34	0/0
		5-Sep-17	1091.04	1091.15	16.58	-	13.68	0.00	13.79	1077.36	0/0
		2-May-17	1091.04	1091.15	16.55	-	13.63	0.00	13.74	1077.40	10/0
		27-Feb-17	1091.04	1091.15	16.54	-	13.62	0.00	13.73	1077.41	100/12
		31-Oct-16	1091.04	1091.15	16.58	-	13.58	0.00	13.69	1077.46	0/13
		16-Aug-16	1091.04	1091.15	16.54	-	13.64	0.00	13.75	1077.39	45/8
		5-May-16	1091.04	1091.15	16.58	-	13.69	0.00	13.80	1077.35	0/1
		18-Feb-16	1091.04	1091.15	16.65	-	13.51	0.00	13.62	1077.53	850/307
		10-Nov-15	1091.04	1091.15	17.16	-	13.62	0.00	13.73	1077.42	5/3
		2-Sep-15	1091.04	1091.15	16.50	-	13.60	0.00	13.71	1077.44	0/0
		9-Jun-15	1091.04	1091.15	17.25	-	13.66	0.00	13.77	1077.38	10/0
		7-Apr-15	1091.04	1091.15	17.01	-	13.61	0.00	13.72	1077.43	-
BH732	3	3-Jun-22	1080.54	1080.60	9.94	-	5.40	0.00	5.46	1075.14	15/0
		9-Nov-21	1080.54	1080.60	10.02	-	5.45	0.00	5.51	1075.09	0/0
		2-Nov-20	1080.54	1080.60	10.08	-	5.49	0.00	5.56	1075.05	0/0
		6-May-20	1080.54	1080.60	10.11*	-	5.52	0.00	5.58	1075.03	0/0
		12-Nov-19	1080.54	1080.60	11.17	-	5.55	0.00	5.61	1074.99	0/0
		24-Apr-19	1080.54	1080.60	11.17	-	5.54	0.00	5.60	1075.00	0/0
		3-Oct-18	1080.54	1080.60	11.20	-	6.17	0.00	6.23	1074.37	0/0
		21-Mar-18	1080.54	1080.60	11.27	-	5.63	0.00	5.69	1074.91	0/0
		7-Sep-17	1080.54	1080.60	11.24	-	5.54	0.00	5.60	1075.00	10/0
		3-May-17	1080.54	1080.60	11.29	-	5.75	0.00	5.81	1074.79	90/0
		21-Feb-17	1080.54	1080.60	11.33	-	5.89	0.00	5.95	1074.66	10/0
		27-Oct-16	1080.54	1080.60	11.39	-	6.23	0.00	6.29	1074.31	5/0
		18-Aug-16	1080.54	1080.60	11.41	-	6.25	0.00	6.32	1074.29	0/2
		3-May-16	1080.54	1080.60	11.94	-	6.31	0.00	6.37	1074.23	65/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		17-Feb-16	1080.54	1080.60	11.93	-	6.26	0.00	6.32	1074.28	0/0
		10-Nov-15	1080.54	1080.60	12.07	-	6.19	0.00	6.25	1074.35	0/0
		2-Sep-15	1080.54	1080.60	11.99	-	6.20	0.00	6.26	1074.34	0/0
		9-Jun-15	1080.54	1080.60	12.09	-	6.30	0.00	6.36	1074.24	0/0
		10-Apr-15	1080.54	1080.60	12.50	-	6.33	0.00	6.39	1074.21	-
BH912	3	1-Jun-22	1075.14	1075.23	4.55	-	2.41	0.00	2.50	1072.73	0/0
		8-Nov-21	1075.14	1075.23	4.39	-	2.48	0.00	2.58	1072.65	0/2
		2-Nov-20	1075.14	1075.23	3.99	-	2.35	0.00	2.45	1072.79	0/0
		6-May-20	1075.14	1075.23	3.89	-	2.30	0.00	2.39	1072.84	0/0
		13-Nov-19	1075.14	1075.23	4.57	-	2.37	0.00	2.46	1072.77	0/0
		24-Apr-19	1075.14	1075.23	4.59	-	2.51	0.00	2.61	1072.63	0/0
		4-Oct-18	1075.14	1075.23	4.59	-	2.58	0.00	2.67	1072.56	0/0
		21-Mar-18	1075.14	1075.23	4.59	-	2.58	0.00	2.67	1072.56	0/1
		6-Sep-17	1075.14	1075.23	4.59	-	2.65	0.00	2.75	1072.49	0/0
		3-May-17	1075.14	1075.23	4.59	-	2.42	0.00	2.51	1072.72	15/1
		22-Feb-17	1075.14	1075.23	4.60	-	2.55	0.00	2.65	1072.59	0/0
		28-Oct-16	1075.14	1075.23	4.55	-	2.43	0.00	2.53	1072.71	40/0
		18-Aug-16	1075.14	1075.23	4.55	-	2.30	0.00	2.40	1072.83	123/0
		3-May-16	1075.14	1075.23	4.47	-	2.59	0.00	2.69	1072.55	5/0
		9-Nov-15	1075.14	1075.23	4.48	-	2.62	0.00	2.71	1072.52	5/1
		1-Sep-15	1075.14	1075.23	4.34	-	2.59	0.00	2.69	1072.55	0/1
		9-Jun-15	1075.14	1075.23	4.45	-	2.64	0.00	2.73	1072.50	0/1
		10-Apr-15	1075.14	1075.23	4.25	-	2.59	0.00	2.69	1072.55	0/3
BH1102	3	31-May-22	1089.18	1089.25	13.77	-	10.35	0.00	10.41	1078.84	0/0
		8-Nov-21	1089.18	1089.25	13.78	-	10.36	0.00	10.42	1078.83	30/0
		7-Jun-21	1089.18	1089.25	13.77	-	10.27	0.00	10.34	1078.91	15/0
		2-Nov-20	1089.18	1089.25	13.77	-	10.24	0.00	10.31	1078.94	10/2
		6-May-20	1089.18	1089.25	13.75	-	10.46	0.00	10.53	1078.72	0/0
		14-Nov-19	1089.18	1089.25	13.78	-	10.45	0.00	10.52	1078.73	0/0
		8-May-19	1089.18	1089.25	13.80	-	10.65	0.00	10.71	1078.54	0/0
		9-Oct-18	1089.18	1089.25	13.80	-	10.65	0.00	10.71	1078.54	0/0
		20-Mar-18	1089.18	1089.25	13.78	-	10.58	0.00	10.64	1078.61	0/1
		5-Sep-17	1089.18	1089.25	13.79	-	10.58	0.00	10.65	1078.60	0/0
		1-May-17	1089.18	1089.25	13.79	-	10.56	0.00	10.62	1078.63	15/0
		16-Feb-17	1089.18	1089.25	13.81	-	10.55	0.00	10.61	1078.64	0/0
		27-Oct-16	1089.18	1089.25	13.76	-	10.48	0.00	10.54	1078.71	0/1
		16-Aug-16	1089.18	1089.25	13.78	-	10.55	0.00	10.62	1078.63	10/0
		4-May-16	1089.18	1089.25	13.77	-	10.51	0.00	10.58	1078.67	0/0
		17-Feb-16	1089.18	1089.25	13.77	-	10.45	0.00	10.51	1078.74	0/0
		9-Nov-15	1089.18	1089.25	13.90	-	10.49	0.00	10.55	1078.70	0/0

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		1-Sep-15	1089.18	1089.25	13.77	-	10.49	0.00	10.56	1078.69	0/2
		9-Jun-15	1089.18	1089.25	13.77	-	10.54	0.00	10.61	1078.64	0/0
		31-Mar-15	1089.18	1089.25	13.77	-	10.40	0.00	10.47	1078.78	35/1
BH1701	3	31-May-22	1088.19	1088.27	11.71	-	9.47	0.00	9.55	1078.72	5/1
		8-Nov-21	1088.19	1088.27	11.71	-	9.48	0.00	9.56	1078.71	10/0
		7-Jun-21	1088.19	1088.27	11.73	-	9.42	0.00	9.50	1078.77	0/0
		2-Nov-20	1088.19	1088.27	11.79	-	9.43	0.00	9.51	1078.76	25/0
		6-May-20	1088.19	1088.27	11.83	-	9.54	0.00	9.62	1078.65	0/0
		18-Nov-19	1088.19	1088.27	11.83	-	9.59	0.00	9.67	1078.60	0/0
		8-May-19	1088.19	1088.27	11.85	-	9.73	0.00	9.81	1078.46	0/0
		5-Oct-18	1088.19	1088.27	11.85	-	9.73	0.00	9.81	1078.46	15/0
		22-Mar-18	1088.19	1088.27	11.84	-	9.71	0.00	9.79	1078.48	160/0
		5-Sep-17	1088.19	1088.27	11.84	-	9.77	0.00	9.85	1078.42	Not Measured
		2-May-17	1088.19	1088.27	11.82	-	9.63	0.00	9.71	1078.56	10/0
		27-Feb-17	1088.19	1088.27	11.83	-	9.63	0.00	9.71	1078.56	50/0
		31-Oct-16	1088.19	1088.27	11.81	-	9.58	0.00	9.66	1078.62	110/0
		16-Aug-16	1088.19	1088.27	11.81	-	9.64	0.00	9.73	1078.55	0/0
		5-May-16	1088.19	1088.27	11.80	-	9.63	0.00	9.71	1078.56	0/1
		17-Feb-16	1088.19	1088.27	11.81	-	9.54	0.00	9.62	1078.66	0/0
		10-Nov-15	1088.19	1088.27	11.88	-	9.53	0.00	9.62	1078.66	0/1
		2-Sep-15	1088.19	1088.27	11.79	-	9.56	0.00	9.64	1078.63	0/0
		9-Jun-15	1088.19	1088.27	11.97	-	9.60	0.00	9.69	1078.59	10/0
		1-Apr-15	1088.19	1088.27	11.79	-	9.56	0.00	9.64	1078.63	0/0
BH1704	3	31-May-22	1089.46	1089.58	12.21	-	10.24	5	10.36	1079.22	5/2
		8-Nov-21	1089.46	1089.58	12.20	-	10.37	3	10.49	1079.09	115/102
		7-Jun-21	1089.46	1089.58	12.19	-	10.13	0.00	10.25	1079.33	35/0
		2-Nov-20	1089.46	1089.58	12.20	-	10.36	0.00	10.48	1079.10	330/356
		6-May-20	1089.46	1089.58	13.19*	-	10.46	0.00	10.58	1079.00	>11,100/1,200
		11-Dec-19	1089.46	1089.58	12.21	-	10.51	0.00	10.63	1078.95	>11,100/>2,000
		8-May-19	1089.46	1089.58	12.22	10.67	10.71	35	10.82	1078.76	>11,100/>2,000
		24-Oct-18	1089.46	1089.58	12.22	10.68	10.72	35	10.83	1078.75	>11,100/>2,000
		20-Mar-18	1089.46	1089.58	12.22	10.59	10.72	135	10.84	1078.74	1,000/305
		5-Sep-17	1089.46	1089.58	12.23	10.47	10.61	140	10.73	1078.85	>11,100/>2,000
		5-May-17	1089.46	1089.58	12.22	10.47	10.61	140	10.73	1078.85	75/112
		27-Feb-17	1089.46	1089.58	12.20	-	10.51	0.00	10.63	1078.96	6,505/300
		31-Oct-16	1089.46	1089.58	12.20	10.49	10.55	59	10.67	1078.92	300/200
		16-Aug-16	1089.46	1089.58	12.19	-	10.57	0.00	10.69	1078.89	260/166
		5-May-16	1089.46	1089.58	12.08	-	10.55	0.00	10.67	1078.91	>11,100/>2,000
		18-Feb-16	1089.46	1089.58	12.08	10.34	10.46	120	10.57	1079.01	>11,100/>2,000
		10-Nov-15	1089.46	1089.58	12.11	-	10.56	0.00	10.68	1078.90	>11,100/>2,000

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		2-Sep-15	1089.46	1089.58	11.94	-	10.45	0.00	10.57	1079.01	5,100/>2,000
		9-Jun-15	1089.46	1089.58	12.13	-	10.53	0.00	10.65	1078.93	480/305
		2-Apr-15	1089.46	1089.58	12.13	-	10.33	0.00	10.45	1079.13	240/100
EX1	3	30-May-22	1088.62	1089.25	15.41	-	13.66	0.00	14.29	1074.96	0/0
		9-Nov-21	1088.62	1089.25	15.43	-	13.55	0.00	14.18	1075.07	25/2
		7-Jun-21	1088.62	1089.25	15.43	-	13.54	0.00	14.17	1075.08	0/0
		5-Nov-20	1088.62	1089.25	15.47	-	13.58	0.00	14.21	1075.04	0/0
		11-May-20	1088.62	1089.25	15.42	-	13.69	0.00	14.32	1074.94	5/0
		25-Nov-19	1088.62	1089.25	15.40	-	13.61	0.00	14.24	1075.01	0/0
		17-Jun-19	1088.62	1089.25	15.35	-	13.71	0.00	14.34	1074.91	0/0
		18-Oct-18	1088.62	1089.25	15.35	-	13.71	0.00	14.34	1074.91	350/44
		3-Apr-18	1088.62	1089.25	15.35	-	13.75	0.00	14.38	1074.87	155/63
		5-May-17	1088.62	1089.25	15.37	-	13.68	0.00	14.31	1074.94	0/1
		28-Feb-17	1088.62	1089.25	15.41	-	13.76	0.00	14.39	1074.86	15/0
		1-Nov-16	1088.62	1089.25	15.44	-	13.74	0.00	14.37	1074.89	25/0
		17-Aug-16	1088.62	1089.25	15.37	-	13.79	0.00	14.42	1074.83	25/1
		6-May-16	1088.62	1089.25	15.40	-	13.80	0.00	14.43	1074.82	0/0
		18-Feb-16	1088.62	1089.25	15.47	-	13.56	0.00	14.19	1075.06	280/123
		10-Nov-15	1088.62	1089.25	16.05	-	13.74	0.00	14.37	1074.88	0/0
		2-Sep-15	1088.62	1089.25	15.44	-	13.69	0.00	14.32	1074.93	0/0
		9-Jun-15	1088.62	1089.25	15.85	-	13.72	0.00	14.35	1074.90	0/0
		17-Apr-15	1088.62	1089.25	15.89	-	13.71	0.00	14.34	1074.91	10/0
EX2	3	30-May-22	1087.85	1088.48	13.46	-	12.78	0.00	13.41	1075.07	0/0
		9-Nov-21	1087.85	1088.48	14.21	-	12.65	0.00	13.28	1075.20	15/0
		7-Jun-21	1087.85	1088.48	14.19	-	12.68	0.00	13.31	1075.18	15/0
		2-Nov-20	1087.85	1088.48	14.19	-	12.75	0.00	13.38	1075.10	5/0
		11-May-20	1087.85	1088.48	14.20	-	12.83	0.00	13.46	1075.02	0/1
		10-Dec-19	1087.85	1088.48	14.10	-	12.78	0.00	13.41	1075.08	0/0
		13-Jun-19	1087.85	1088.48	14.12	-	12.84	0.00	13.47	1075.02	0/0
		18-Oct-18	1087.85	1088.48	14.12	-	12.89	0.00	13.52	1074.96	0/0
		23-Mar-18	1087.85	1088.48	14.12	-	12.86	0.00	13.49	1075.00	0/1
		5-May-17	1087.85	1088.48	14.13	-	12.79	0.00	13.42	1075.07	0/4
		28-Feb-17	1087.85	1088.48	14.66	-	12.90	0.00	13.53	1074.95	80/2
		1-Nov-16	1087.85	1088.48	14.07	-	12.35	0.00	12.98	1075.51	0/0
		16-Aug-16	1087.85	1088.48	14.06	-	12.84	0.00	13.47	1075.02	0/0
		5-May-16	1087.85	1088.48	14.00	-	12.88	0.00	13.51	1074.98	15/0
		18-Feb-16	1087.85	1088.48	14.35	-	12.67	0.00	13.30	1075.18	330/129
		10-Nov-15	1087.85	1088.48	14.48	-	12.82	0.00	13.45	1075.04	0/0
		2-Sep-15	1087.85	1088.48	13.95	-	12.79	0.00	13.42	1075.06	0/0
		9-Jun-15	1087.85	1088.48	14.36	-	12.79	0.00	13.42	1075.06	0/1

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		14-Apr-15	1087.85	1088.48	14.06	-	12.76	0.00	13.39	1075.09	0/5
EX3	3	30-May-22	1088.46	1089.09	13.06	-	11.47	0.00	12.10	1076.99	0/0
		9-Nov-21	1088.46	1089.09	13.05	-	11.27	0.00	11.90	1077.20	20/0
		7-Jun-21	1088.46	1089.09	13.08	-	11.20	0.00	11.83	1077.26	25/0
		3-Nov-20	1088.46	1089.09	13.15	-	11.23	0.00	11.86	1077.23	0/0
		11-May-20	1088.46	1089.09	13.26	-	11.35	0.00	11.98	1077.11	0/0
		25-Nov-19	1088.46	1089.09	13.26	-	11.35	0.00	11.98	1077.12	0/0
		17-Jun-19	1088.46	1089.09	13.30	-	11.43	0.00	12.06	1077.03	0/0
		18-Oct-18	1088.46	1089.09	13.30	-	11.42	0.00	12.05	1077.04	0/0
		3-Apr-18	1088.46	1089.09	13.34	-	11.46	0.00	12.09	1077.00	0/0
		5-May-17	1088.46	1089.09	13.29	-	10.30	0.00	10.93	1078.16	0/1
		28-Feb-17	1088.46	1089.09	13.34	-	11.45	0.00	12.08	1077.01	100/4
		1-Nov-16	1088.46	1089.09	15.44	-	13.74	0.00	14.37	1074.73	0/0
		17-Aug-16	1088.46	1089.09	13.27	-	11.40	0.00	12.03	1077.06	25/0
		6-May-16	1088.46	1089.09	12.29	-	11.39	0.00	12.02	1077.07	0/0
		18-Feb-16	1088.46	1089.09	13.26	-	11.22	0.00	11.85	1077.24	0/1
		10-Nov-15	1088.46	1089.09	13.42	-	11.34	0.00	11.97	1077.12	0/0
		2-Sep-15	1088.46	1089.09	13.29	-	11.31	0.00	11.94	1077.15	0/1
		9-Jun-15	1088.46	1089.09	12.50	-	11.28	0.00	11.91	1077.18	0/0
		14-Apr-15	1088.46	1089.09	13.25	-	11.31	0.00	11.94	1077.15	0/1
EX4	3	30-May-22	1089.44	1090.07	11.30	-	9.88	0.00	10.51	1079.56	0/1
		9-Nov-21	1089.44	1090.07	11.34	-	9.78	0.00	10.41	1079.67	10/18
		7-Jun-21	1089.44	1090.07	11.87	-	9.80	0.00	10.43	1079.65	35/2
		2-Nov-20	1089.44	1090.07	11.89	-	9.88	0.00	10.51	1079.56	60/54
		11-May-20	1089.44	1090.07	11.45	-	9.97	0.00	10.60	1079.47	0/4
		10-Dec-19	1089.44	1090.07	11.38	-	9.93	0.00	10.56	1079.51	25/1
		13-Jun-19	1089.44	1090.07	11.68	-	10.04	0.00	10.67	1079.40	25/1
		24-Oct-18	1089.44	1090.07	11.68	-	10.09	0.00	10.72	1079.36	25/1
		23-Mar-18	1089.44	1090.07	10.98	-	10.04	0.00	10.67	1079.40	105/101
		8-May-17	1089.44	1090.07	11.10	-	9.97	0.00	10.60	1079.47	120/40
		1-Mar-17	1089.44	1090.07	11.22	-	10.02	0.00	10.65	1079.43	200/50
		1-Nov-16	1089.44	1090.07	11.13	-	9.93	0.00	10.56	1079.52	40/11
		16-Aug-16	1089.44	1090.07	11.50	-	9.98	0.00	10.61	1079.46	200/155
		5-May-16	1089.44	1090.07	12.25	-	10.07	0.00	10.70	1079.38	0/4
		18-Feb-16	1089.44	1090.07	12.62	-	9.82	0.00	10.45	1079.63	2,200/591
		10-Nov-15	1089.44	1090.07	12.44	-	9.97	0.00	10.60	1079.47	150/148
		2-Sep-15	1089.44	1090.07	12.32	-	10.00	0.00	10.63	1079.44	460/225
		9-Jun-15	1089.44	1090.07	12.64	-	9.96	0.00	10.59	1079.49	40/73
		15-Apr-15	1089.44	1090.07	12.22	-	9.94	0.00	10.57	1079.50	60/20

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
EX5	3	30-May-22	1090.31	1090.94	12.14	-	10.18	0.00	10.81	1080.13	0/0
		9-Nov-21	1090.31	1090.94	12.14	-	10.03	0.00	10.66	1080.28	0/0
		7-Jun-21	1090.31	1090.94	12.15	-	10.14	0.00	10.77	1080.17	0/3
		2-Nov-20	1090.31	1090.94	12.20	-	10.21	0.00	10.84	1080.11	15/0
		11-May-20	1090.31	1090.94	12.41	-	10.31	0.00	10.94	1080.01	0/0
		11-Dec-19	1090.31	1090.94	12.75	-	10.48	0.00	11.11	1079.83	300/20
		12-Jun-19	1090.31	1090.94	12.75	-	10.64	0.00	11.27	1079.68	300/20
		18-Oct-18	1090.31	1090.94	12.75	-	10.71	0.00	11.34	1079.61	780/232
		23-Mar-18	1090.31	1090.94	12.99	-	10.67	0.00	11.30	1079.65	780/232
		5-May-17	1090.31	1090.94	13.12	-	10.53	0.00	11.16	1079.79	605/1,150
		1-Mar-17	1090.31	1090.94	13.11	-	10.66	0.00	11.29	1079.66	320/120
		1-Nov-16	1090.31	1090.94	13.19	-	10.65	0.00	11.28	1079.67	180/99
		16-Aug-16	1090.31	1090.94	13.00	-	10.34	0.00	10.97	1079.97	1,050/478
		5-May-16	1090.31	1090.94	13.29	-	10.43	0.00	11.06	1079.89	550/274
		18-Feb-16	1090.31	1090.94	13.41	-	10.17	0.00	10.80	1080.15	1,250/513
		10-Nov-15	1090.31	1090.94	13.51	-	10.31	0.00	10.94	1080.00	940/422
		2-Sep-15	1090.31	1090.94	13.25	-	10.39	0.00	11.02	1079.92	330/138
		9-Jun-15	1090.31	1090.94	13.57	-	10.29	0.00	10.92	1080.03	510/230
		16-Apr-15	1090.31	1090.94	13.75	-	10.33	0.00	10.96	1079.98	290/198
EX6	3	30-May-22	1090.45	1091.08	11.64	-	10.88	0.00	11.51	1079.57	0/1
		9-Nov-21	1090.45	1091.08	11.80	-	10.95	0.00	11.58	1079.51	0/0
		7-Jun-21	1090.45	1091.08	11.83	-	10.77	0.00	11.40	1079.68	5/1
		3-Nov-20	1090.45	1091.08	11.93	-	10.92	0.00	11.55	1079.54	10/2
		11-May-20	1090.45	1091.08	11.98	-	10.96	0.00	11.59	1079.50	0/0
		11-Dec-19	1090.45	1091.08	11.98	-	10.89	0.00	11.52	1079.57	0/0
		13-Jun-19	1090.45	1091.08	11.98	-	10.99	0.00	11.62	1079.47	0/0
		24-Oct-18	1090.45	1091.08	11.98	-	11.06	0.00	11.69	1079.39	0/0
		23-Mar-18	1090.45	1091.08	11.70	-	11.00	0.00	11.63	1079.45	0/2
		5-May-17	1090.45	1091.08	11.30	-	10.85	0.00	11.48	1079.60	0/28
		1-Mar-17	1090.45	1091.08	11.33	-	11.02	0.00	11.65	1079.43	60/12
		1-Nov-16	1090.45	1091.08	11.18	-	10.91	0.00	11.54	1079.55	25/13
		17-Aug-16	1090.45	1091.08	11.51	-	10.99	0.00	11.62	1079.47	0/6
		5-May-16	1090.45	1091.08	12.85	-	10.98	0.00	11.61	1079.48	0/1
		18-Feb-16	1090.45	1091.08	12.81	-	10.75	0.00	11.38	1079.71	165/59
		10-Nov-15	1090.45	1091.08	12.74	-	10.86	0.00	11.49	1079.59	0/8
		2-Sep-15	1090.45	1091.08	12.75	-	10.90	0.00	11.53	1079.55	290/61
		9-Jun-15	1090.45	1091.08	12.82	-	10.88	0.00	11.51	1079.58	0/12
		17-Apr-15	1090.45	1091.08	12.77	-	10.92	0.00	11.55	1079.53	5/2
EX7	3	31-May-22	1088.92	1089.55	12.43	-	10.94	0.00	11.57	1077.97	5/3
		18-Nov-21	1088.92	1089.55	12.54	-	10.90	0.00	11.53	1078.02	280/246

Monitor Well	Screened Unit	Monitor Date (dd-mmm-yy)	Top of PVC Pipe Elevation (masl[1])	Ground Surface Elevation (masl[2])	Total Depth bTOP[3] (m)	Depth to LPH bTOP (m)	Depth to Water bTOP (m)	Apparent Thickness of LNAPL (mm)	Depth to Water BGS[4] (m)	Water Elevation (masl)	Monitor Well Vapour Concentration[5] HEX/IBL (ppm)
		7-Jun-21	1088.92	1089.55	12.54	-	10.86	0.00	11.49	1078.06	5/4
		3-Nov-20	1088.92	1089.55	12.46	-	11.02	0.00	11.65	1077.90	0/0
		11-May-20	1088.92	1089.55	12.65	-	11.20	0.00	11.83	1077.72	0/0
		11-Dec-19	1088.92	1089.55	12.56	-	11.18	0.00	11.81	1077.73	0/0
		13-Jun-19	1088.92	1089.55	12.56	-	11.31	0.00	11.94	1077.61	0/0
		24-Oct-18	1088.92	1089.55	12.56	-	11.36	0.00	11.99	1077.56	0/0
		23-Mar-18	1088.92	1089.55	12.58	-	11.34	0.00	11.97	1077.57	0/7
		5-May-17	1088.92	1089.55	12.63	-	11.15	0.00	11.78	1077.77	0/7
		1-Mar-17	1088.92	1089.55	12.66	-	11.30	0.00	11.93	1077.61	55/2
		1-Nov-16	1088.92	1089.55	12.63	-	11.23	0.00	11.86	1077.69	155/102
		17-Aug-16	1088.92	1089.55	12.73	-	11.16	0.00	11.79	1077.76	0/1
		5-May-16	1088.92	1089.55	12.70	-	11.06	0.00	11.69	1077.86	0/0
		18-Feb-16	1088.92	1089.55	13.00	-	10.91	0.00	11.54	1078.01	360/225
		10-Nov-15	1088.92	1089.55	12.96	-	10.96	0.00	11.59	1077.96	0/12
		2-Sep-15	1088.92	1089.55	12.69	-	10.99	0.00	11.62	1077.93	3,200/1,191
		9-Jun-15	1088.92	1089.55	13.11	-	10.99	0.00	11.62	1077.93	0/35
		18-Apr-15	1088.92	1089.55	13.24	-	10.97	0.00	11.60	1077.95	45/35

Notes:

1 Meters above sea level
2 Ground surface elevation based on survey completed in May 2015 by Clifton Associates Ltd.
3 Below top of pipe
4 Below ground surface
5 Vapour concentrations measured in monitoring wells with an RKI Eagle portable gas monitor with PID.
HEX/IBL Hexane/Isobutylene
- not measured
* Possible measurement error. Depth to be checked in Fall 2020.

APPENDIX F

ELEVATION OF THE POTENTIOMETRIC SURFACE AND INFERRED GROUNDWATER FLOW DIRECTION (REPRODUCED FROM CLIFTON, 2022d)

Unit 1 - May/June 2022 Potentiometric Surface

Unit 2 - May/June 2022 Potentiometric Surface

Unit 3 - May/June 2022 Potentiometric Surface

Unit 4 - May/June 2022 Potentiometric Surface

Unit 5 - May/June 2022 Potentiometric Surface

APPENDIX G

TREND ANALYSIS

APPENDIX G
MANN-KENDALL TREND ANALYSIS METHODOLOGY

INTRODUCTION

Temporal trends in groundwater concentrations of dissolved contaminants can be assessed using Mann-Kendall analysis (Gilbert, 1987). ProUCL (Version 5.2, USEPA, 2022), a comprehensive statistical software package developed by the United States Environmental Protection Agency (USEPA), was used for this analysis.

DATA SELECTION FOR THE SITE

Analytical groundwater data collected at the Site between 2013 and 2022 was used in the trend analysis. Between these dates, groundwater samples were collected on at least one sampling date from approximately 154 monitoring wells, with the number of sampling events ranging to a maximum of 30 data points. Visual charts showing the concentrations of BTEX, F1-BTEX and DCA were prepared for wells that had at least four sampling events (116 wells).

Benzene and 1,2-dichloroethane were the analytes selected for trend analysis to represent the overall trends at the Site.

Key points related to the statistical trend analysis are summarized below:

- Groundwater wells and analytes with an insufficient number of detectable data points for trend analysis (less than four data points) were excluded from the statistical trend analysis and the visual plots.

- Groundwater samples between these dates have been collected by a variety of sampling and purging methods (for example hydra-sleeve or bailer).

- The maximum concentration was used in the analysis where either a sample duplicate or multiple samples were collected and analyzed from the same date.

- Analytical results below laboratory detection limits (non-detect) were set to equal the laboratory reportable detection limit. Where multiple detection limits were present for a monitoring well, the highest detection limit below the lowest detectable measurement was used. In a few cases where a laboratory detection limit was greater than at least one detectable value, trend analysis was performed excluding these raised non-detect data points.

- Data sets for benzene and/or 1,2-DCA that contained a high proportion of non-detect values, or that have been non-detect during at least the last three most recent sampling events, have been excluded from the statistical trend analysis.

- Data identified as anomalous, summarized in the relevant section of the report, has been excluded from the visual plots and statistical trend analysis.

- Analytical groundwater data collected between 2013 and 2022 were collected by others; the analytical data used herein relies on data tables presented in reports prepared for the site by others.

CALCULATION OF CONCENTRATION TREND

Mann-Kendall is a non-parametric test for linear trend and is well suited for analyzing trends in data over time. The Mann-Kendall statistic (S) measures the trend in the data. Positive values indicate that measurements taken later in time tend to be larger than those taken earlier, while negative values indicate a decrease in concentrations over time. The strength of the trend is proportional to the magnitude of the Mann-Kendall statistic.

The confidence in the trend is calculated using a Kendall probability table. By assessing the S-statistic along with the number of samples, the Kendall probability table provides the probability (p-value) of rejecting the hypothesis that there is no trend for a 0.05 level of significance. The confidence in the trend percentage is calculated by subtracting the p-value from 1 and multiplying by 100% (i.e., 0.05 level of significance is a 95% confidence level).

The coefficient of variation (COV) is a statistical measure of how the individual data points vary about the mean value and is calculated by dividing the standard deviation by the mean. Values less than 1 indicate that the data show less dispersion about the mean, while values greater than 1 indicate that the data show a higher degree of scatter about the mean (AFCEE, 2006).

Using the above measures, a concentration trend for each monitoring location was determined according to the decision logic outlined in the table below, using the COV and confidence in trend as a qualitative measure of the statistical strength of the trend.

Concentration Trend Decision Logic

Mann-Kendall Statistic (S)	Confidence in Trend	Concentration Trend
S > 0	> 95 %	Increasing
S > 0	90 - 95 %	Probably Increasing
S > 0	< 90 %	No Trend
S ≤ 0	< 90 % and COV ≥ 1	No Trend
S ≤ 0	< 90 % and COV < 1	Stable
S < 0	90 - 95 %	Probably Decreasing
S < 0	95 %	Decreasing

(Adapted from AFCEE 2006)

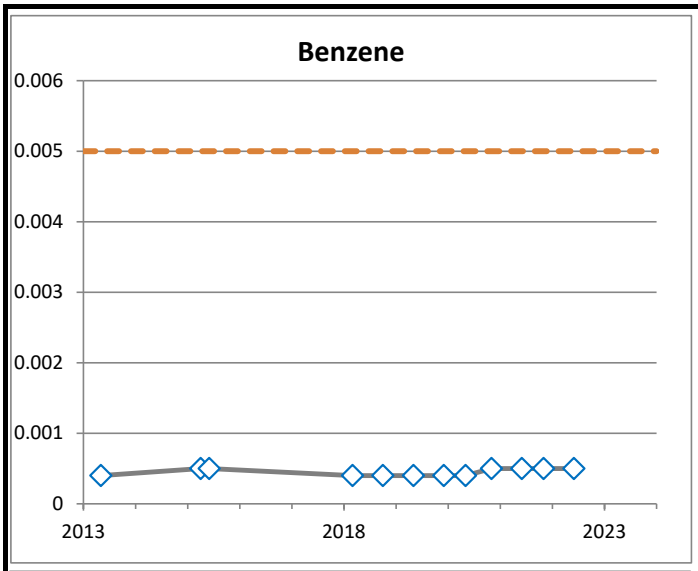
REFERENCES

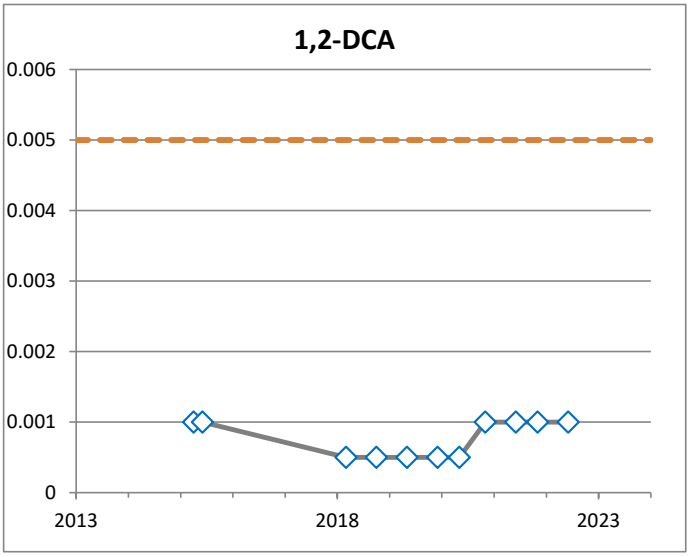
AFCEE 2006. *Monitoring and Remediation Optimization System (MAROS) Software User's Guide (Version 2.2)*. Air Force Center for Environmental Excellence (AFCEE).

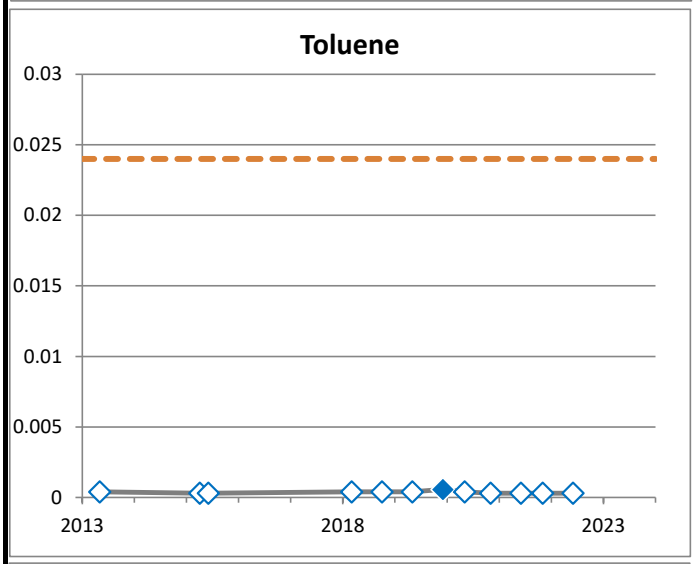
Gilbert, R.O., 1987. *Statistical Methods for Environmental Pollution Monitoring.*

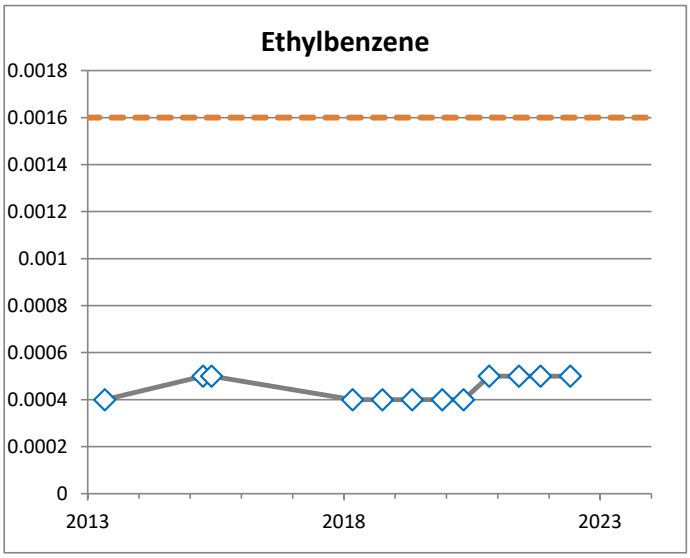
USEPA 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance.* United States Environmental Protection Agency.

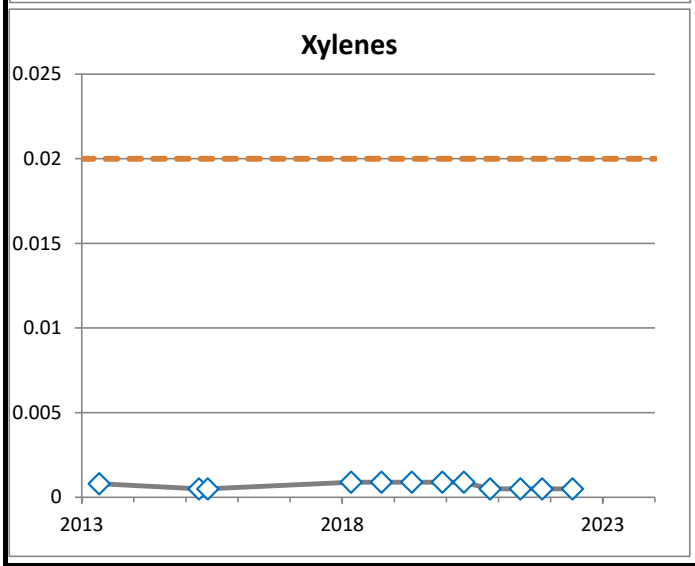
USEPA 2022. ProUCL Version 5.2 Available from https://www.epa.gov/land-research/proucl-software (last accessed February 2023). United States Environmental Protection Agency.

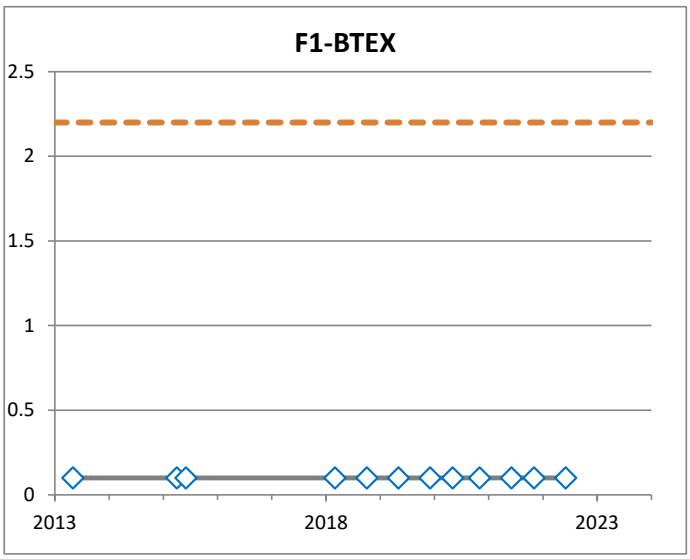












◇ Non-detect value

Drinking Water Guideline

All samples are shown, including duplidates and multiple samples on the same date.

BH1102
(mg/L)

PARSONS

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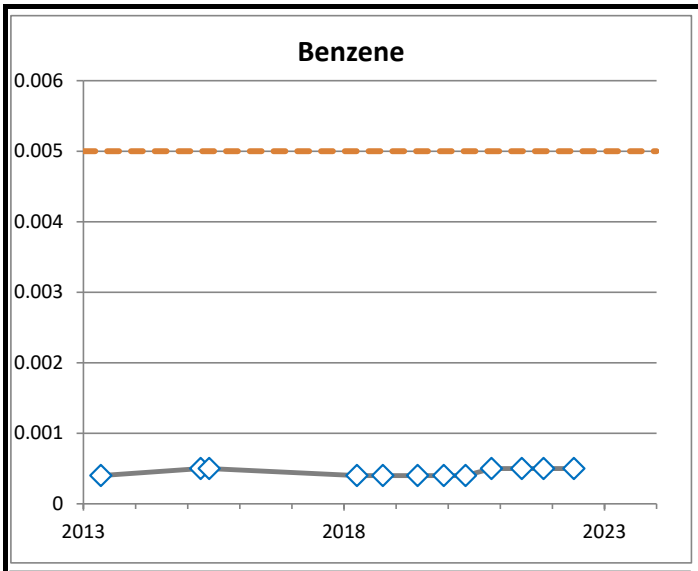
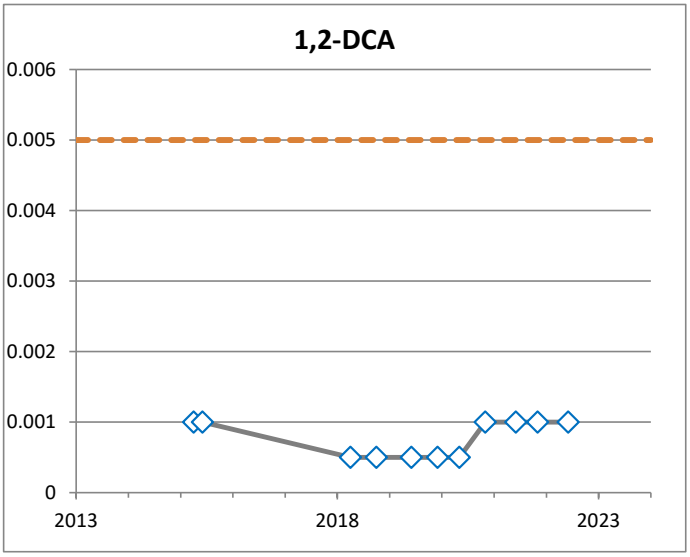
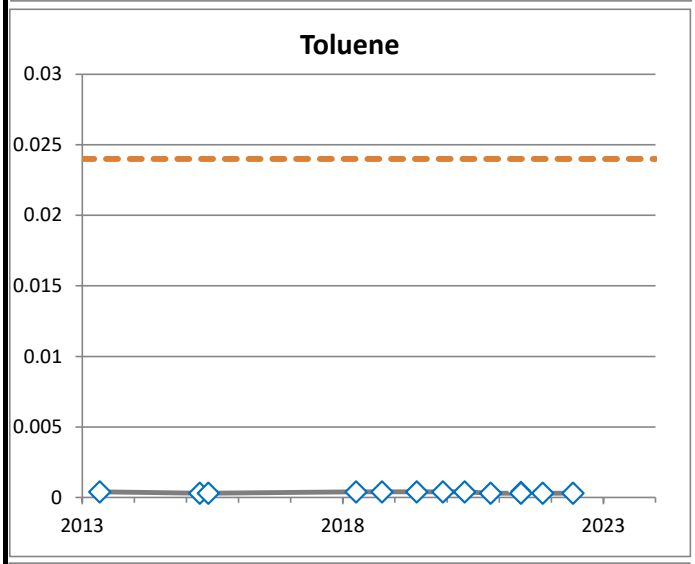
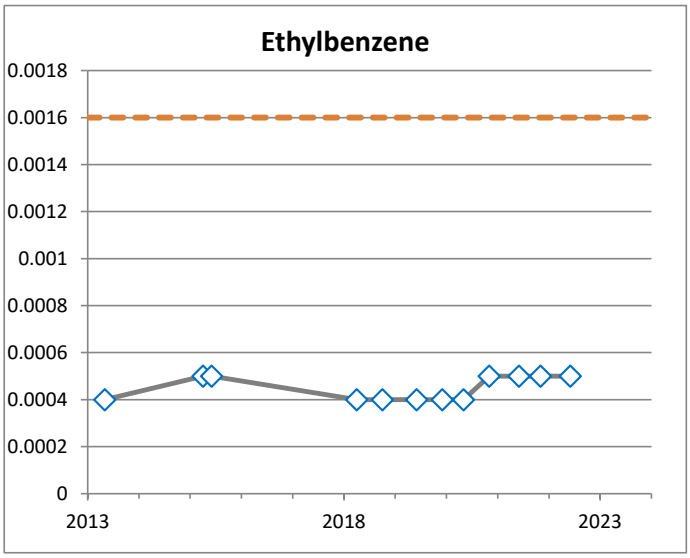
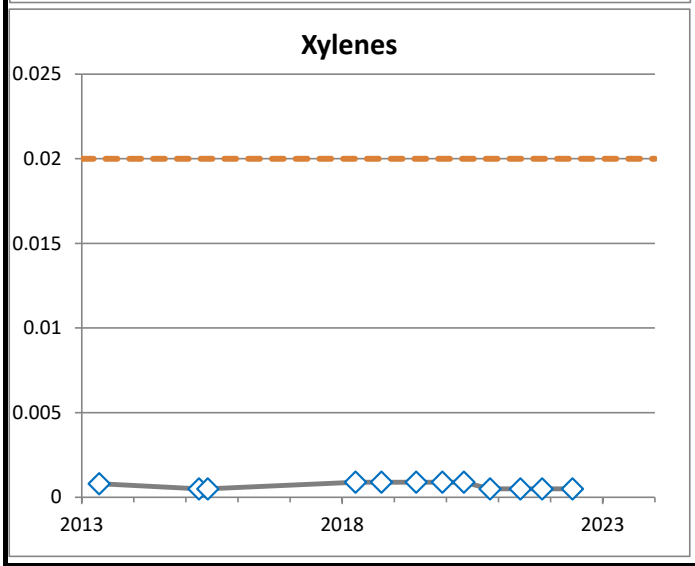
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-1		

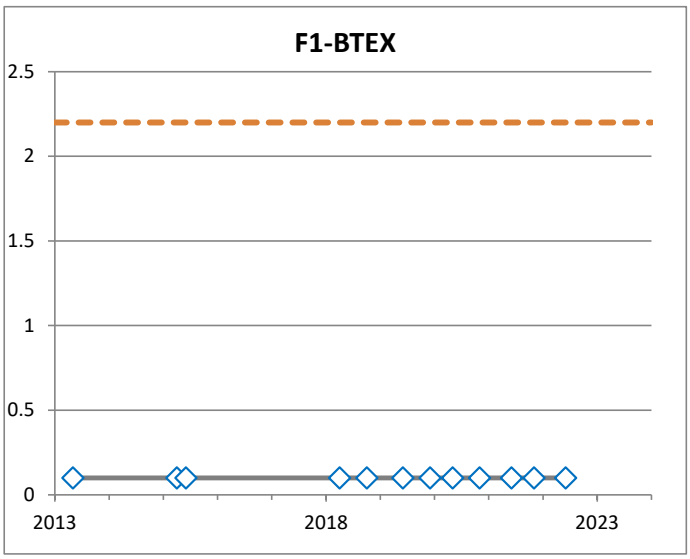












◇ Non-detect value

Drinking Water Guideline

All samples are shown, including duplidates and multiple samples on the same date.

BH1701
(mg/L)

PARSONS

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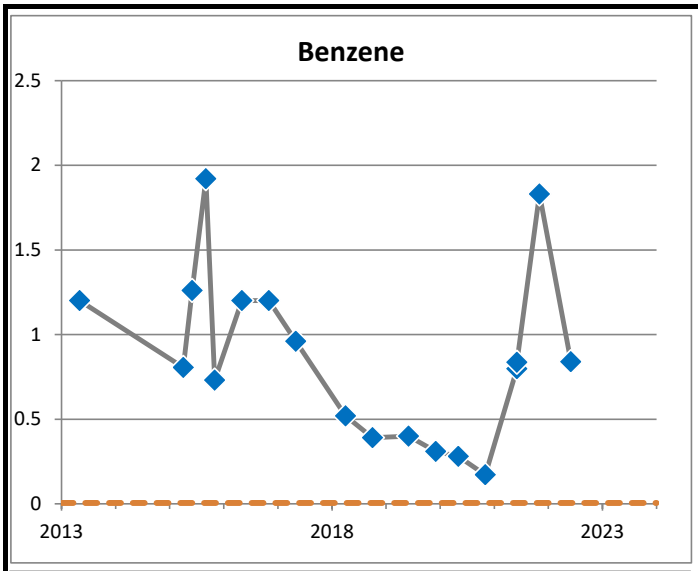
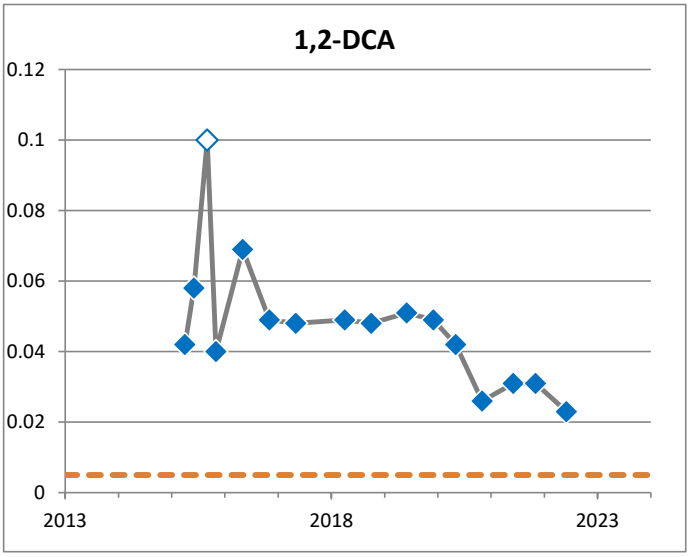
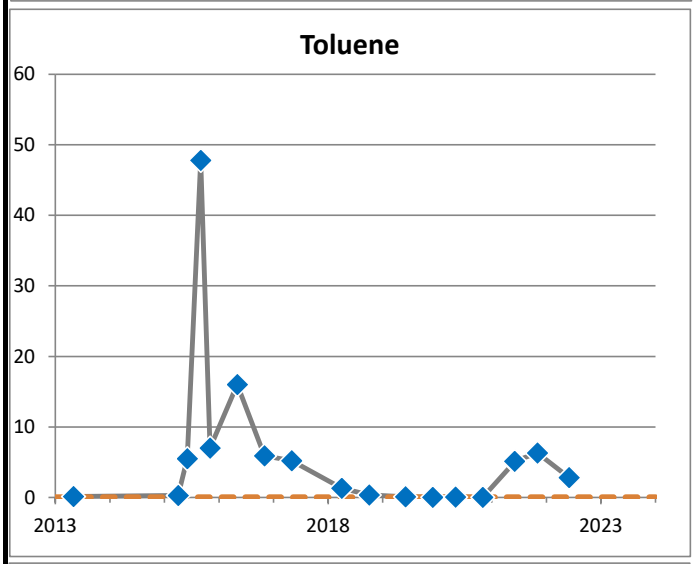
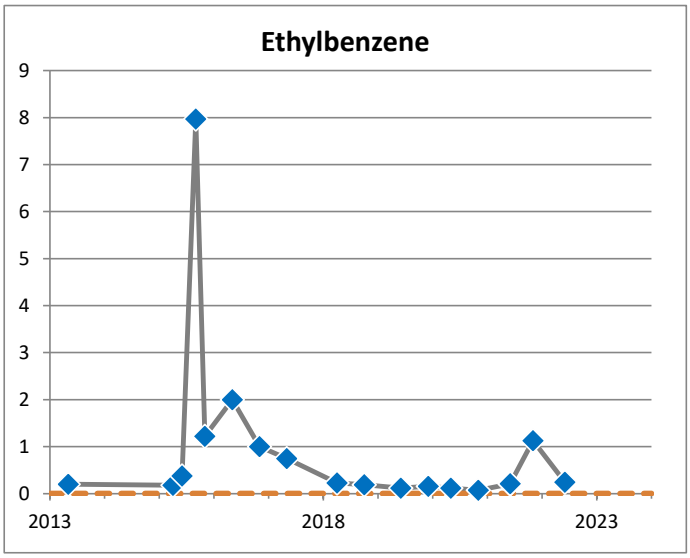
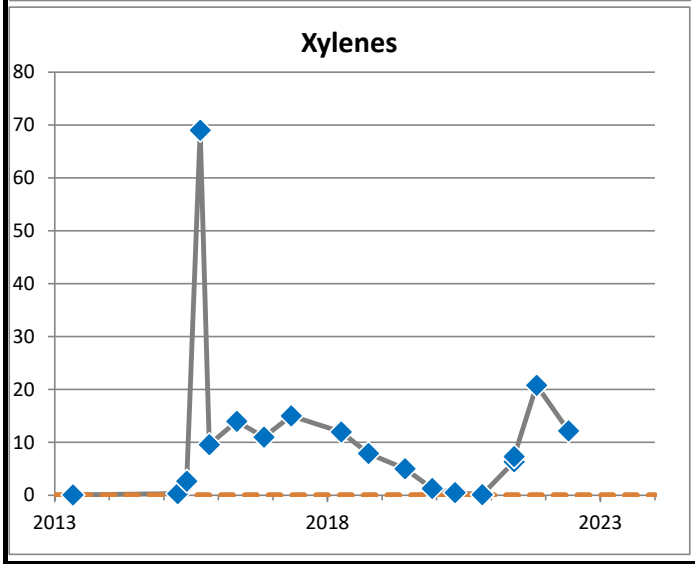
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-2	

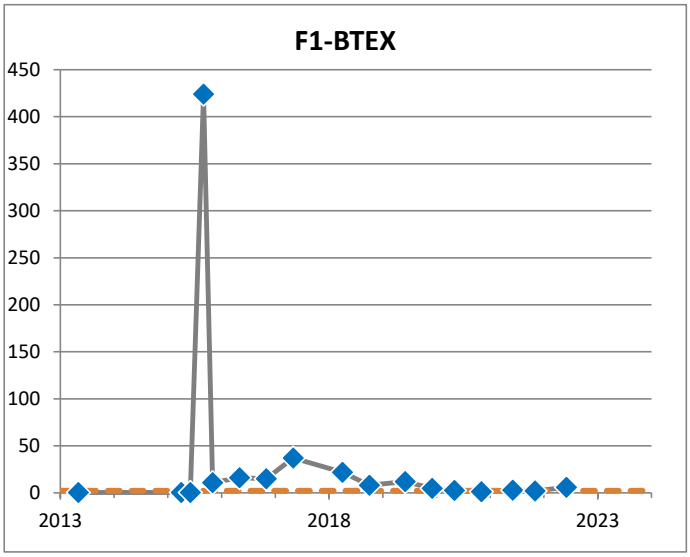












◇ Non-detect value

Drinking Water Guideline

All samples are shown, including duplidates and multiple samples on the same date.

BH1704
(mg/L)

PARSONS

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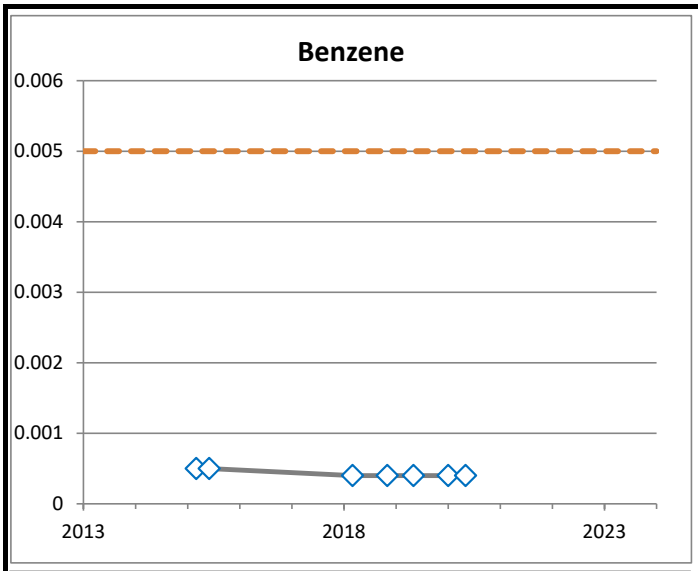
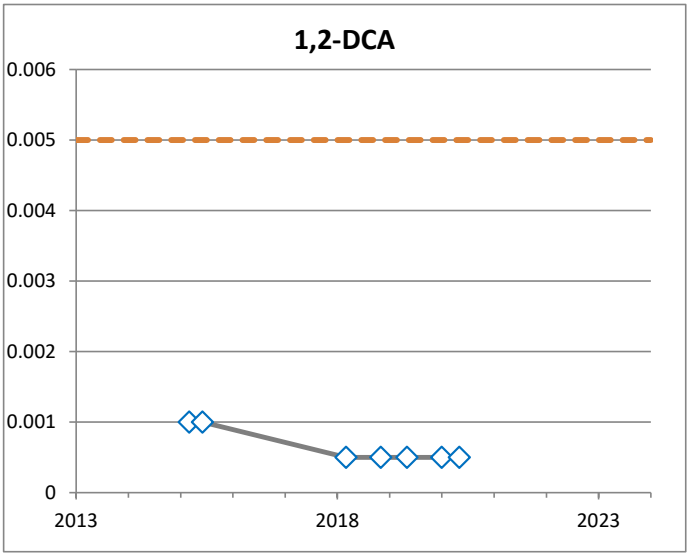
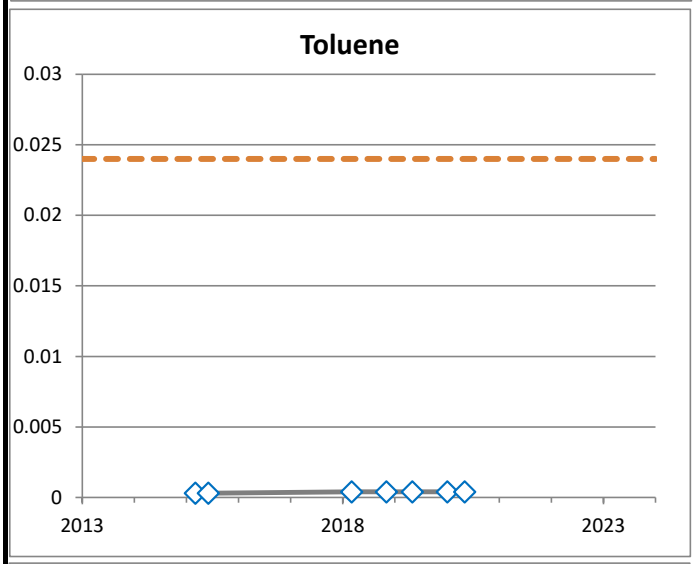
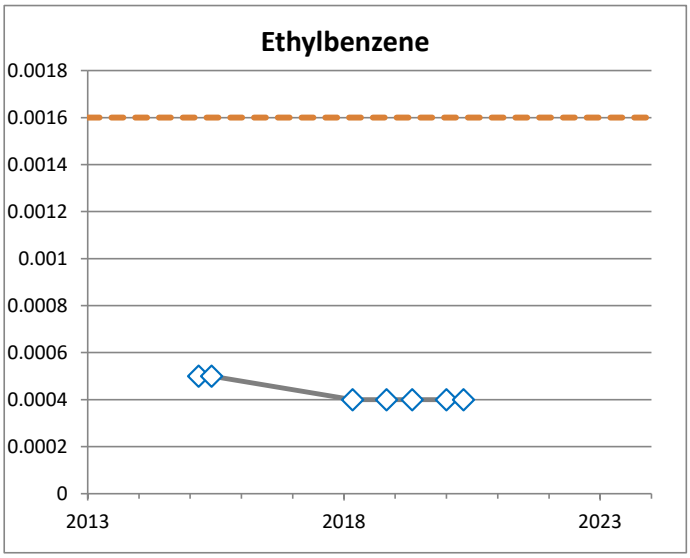
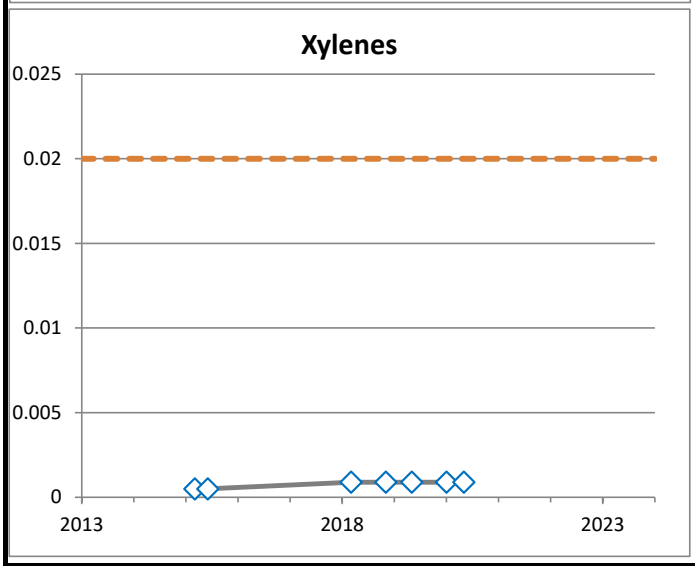
DWG NO.: G-3	

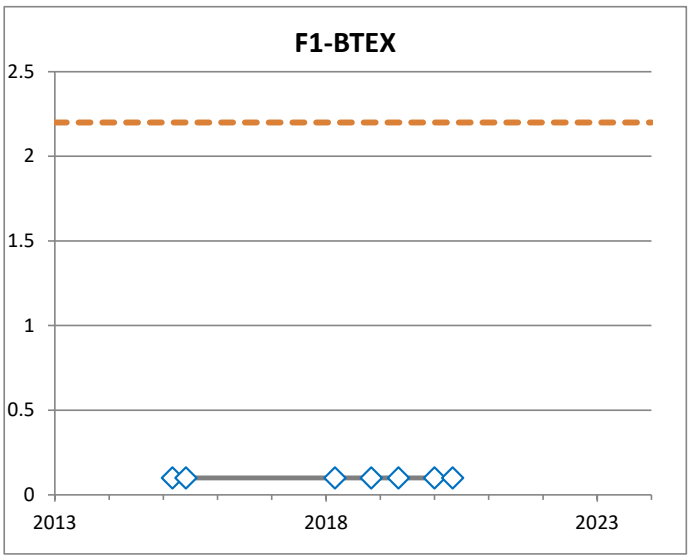












◇ Non-detect value

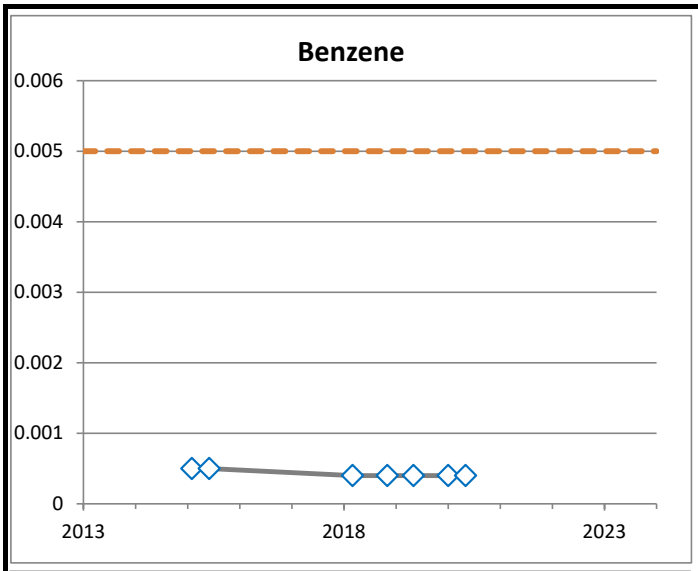
Drinking Water Guideline

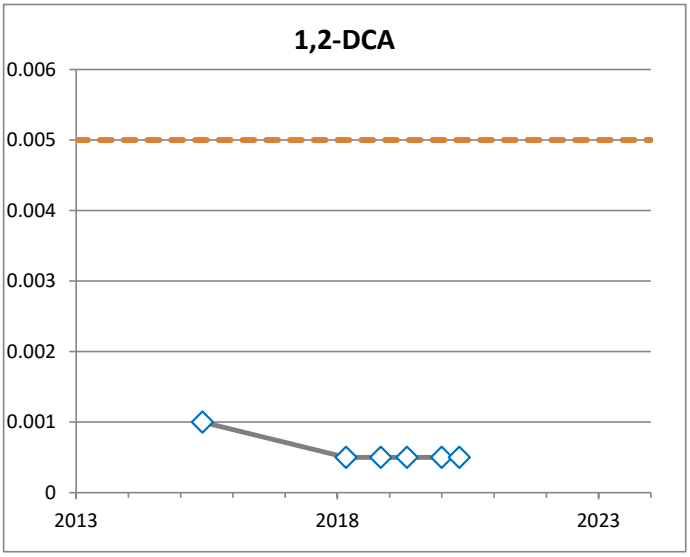
All samples are shown, including duplidates and multiple samples on the same date.

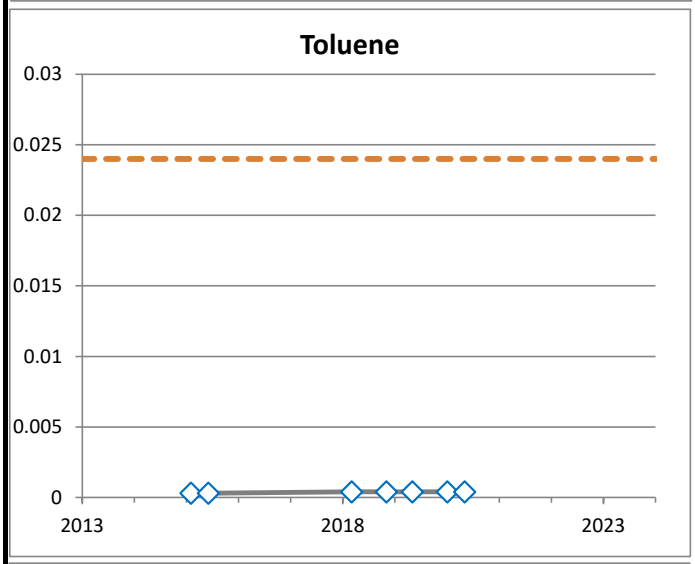
BH1901
(mg/L)

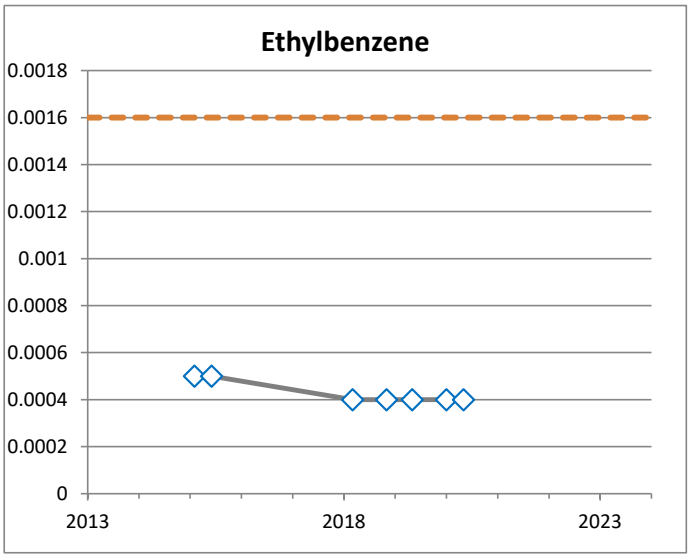
PARSONS

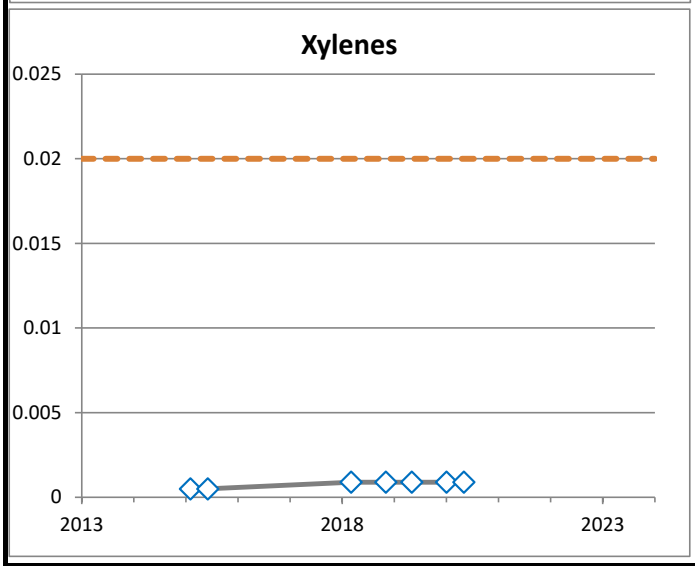
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-4	

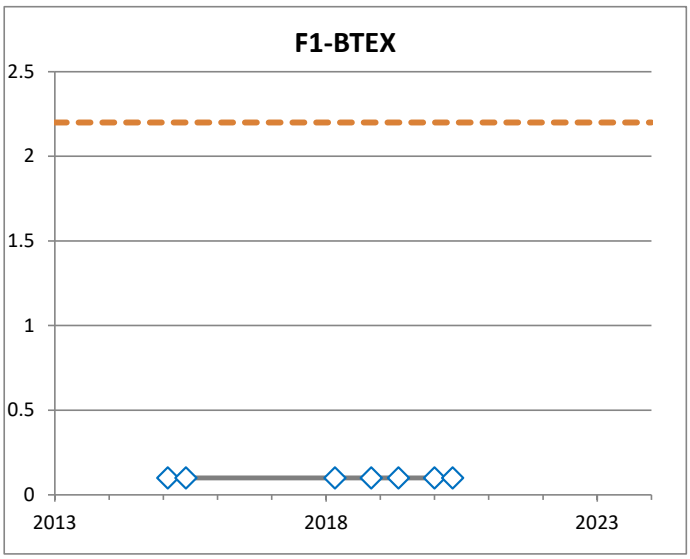












◇ Non-detect value

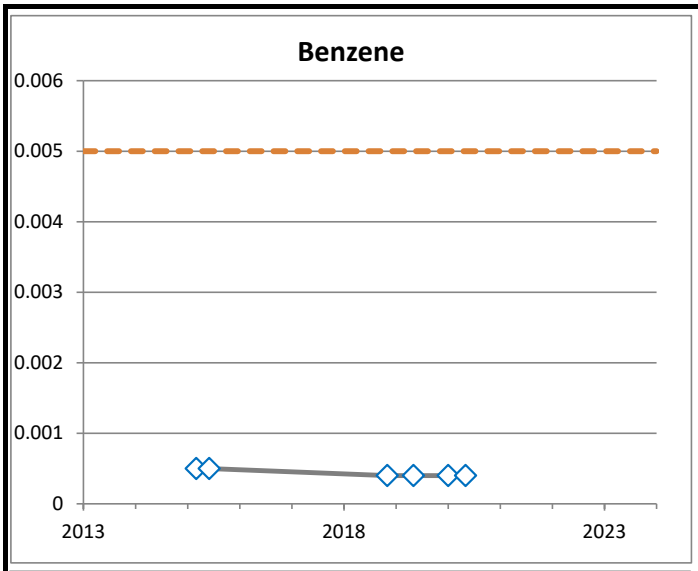
Drinking Water Guideline

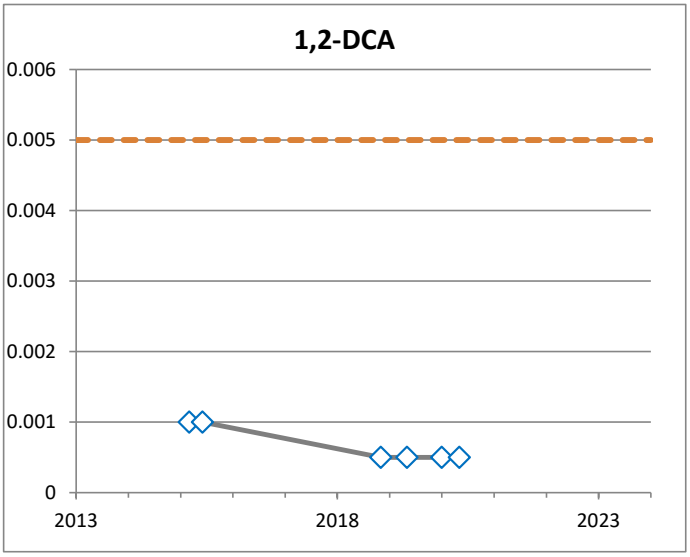
All samples are shown, including duplidates and multiple samples on the same date.

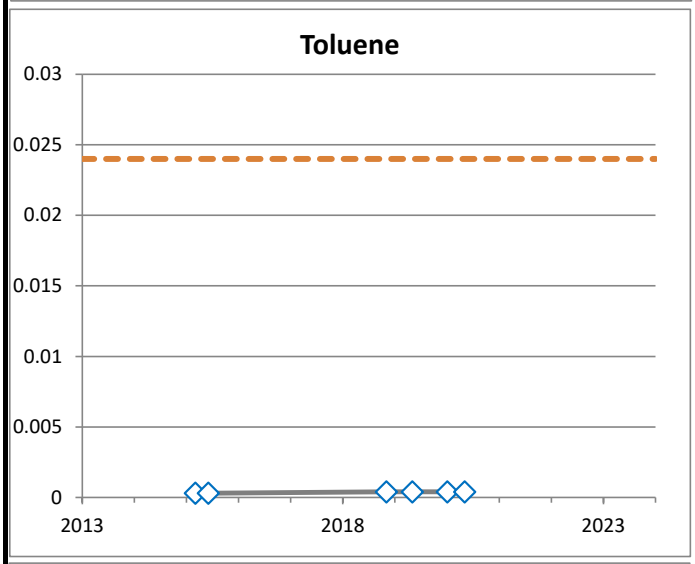
BH1902
(mg/L)

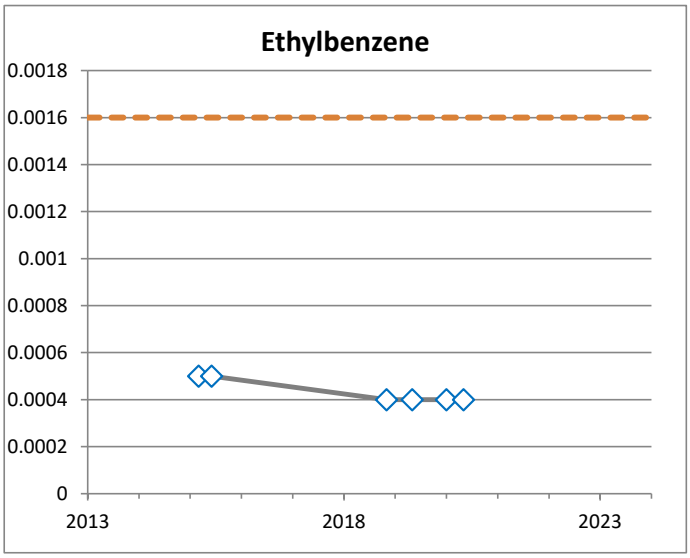
PARSONS

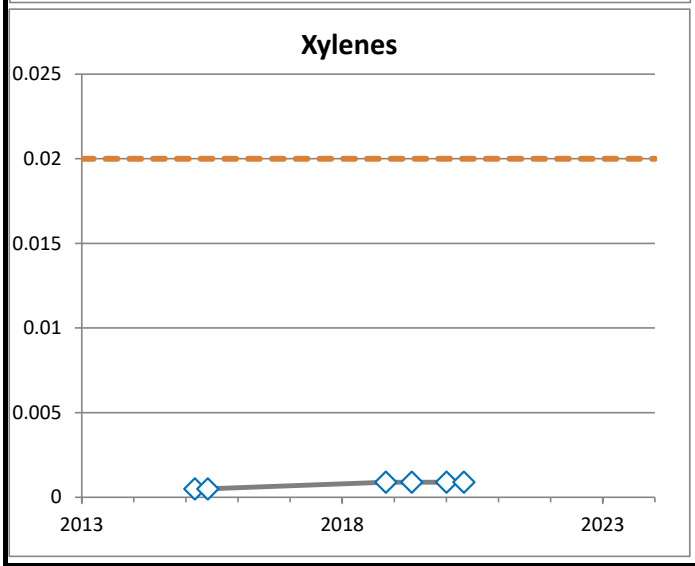
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-5	

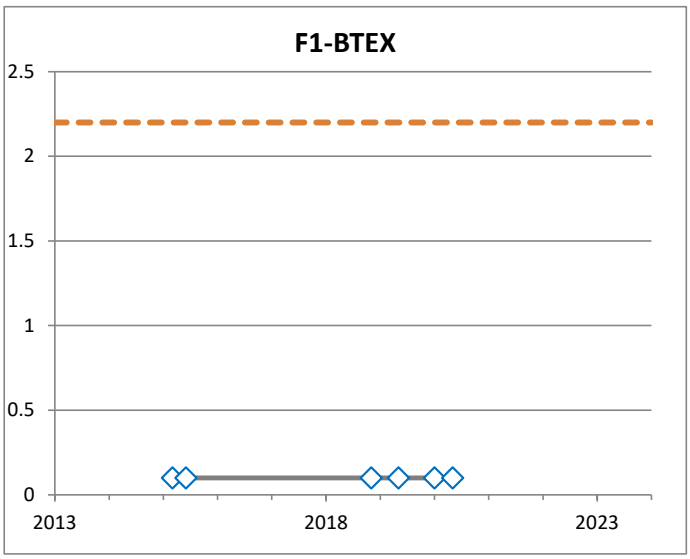












◇ Non-detect value

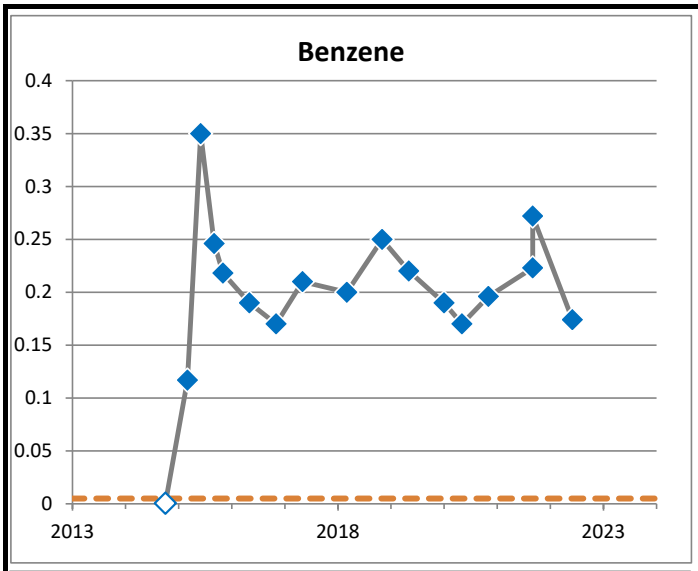
Drinking Water Guideline

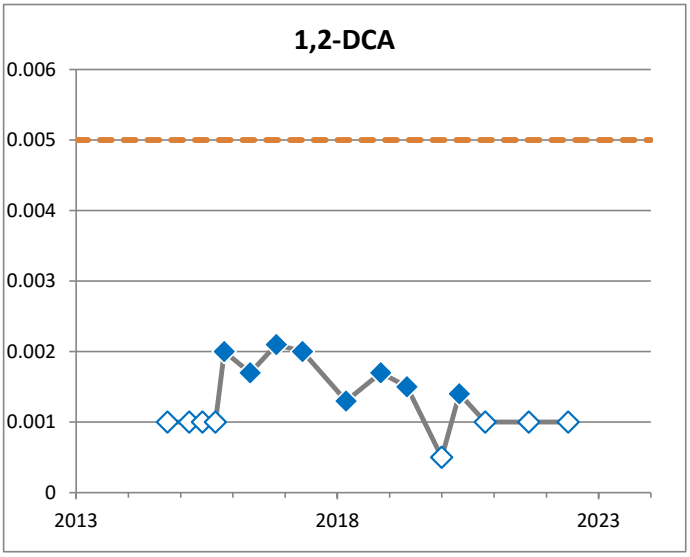
All samples are shown, including duplidates and multiple samples on the same date.

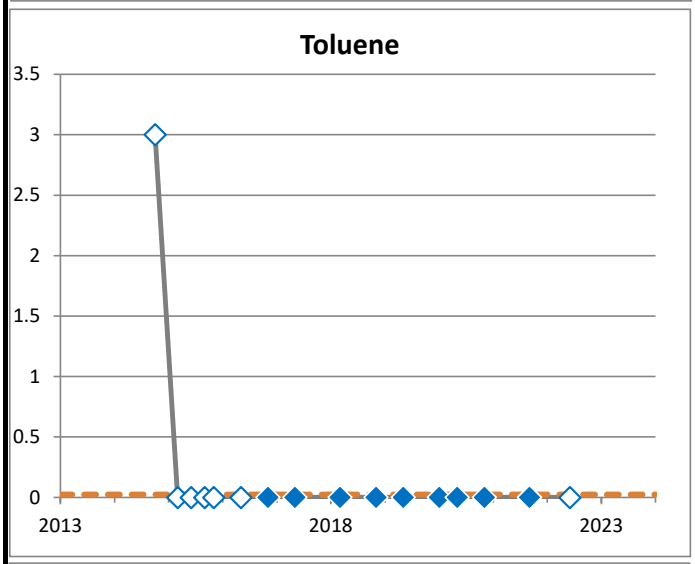
BH1903
(mg/L)

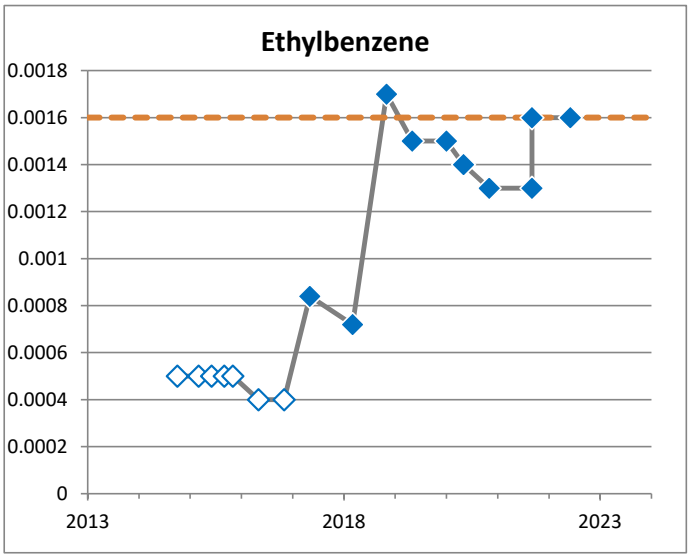
PARSONS

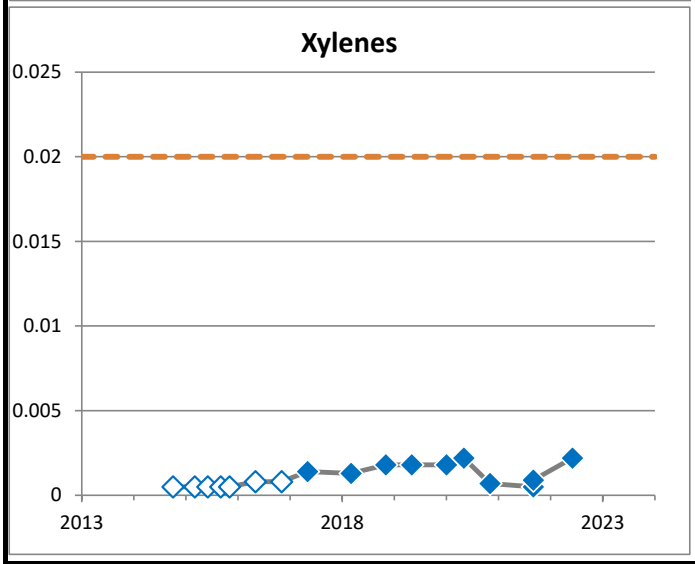
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-6		

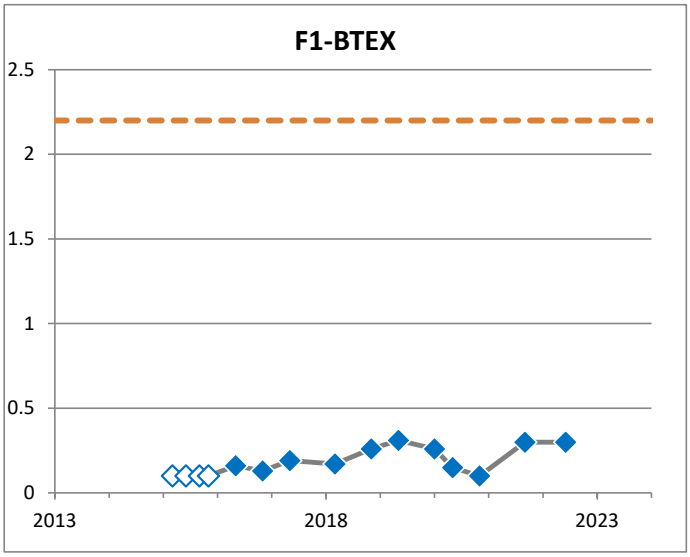












◇ Non-detect value

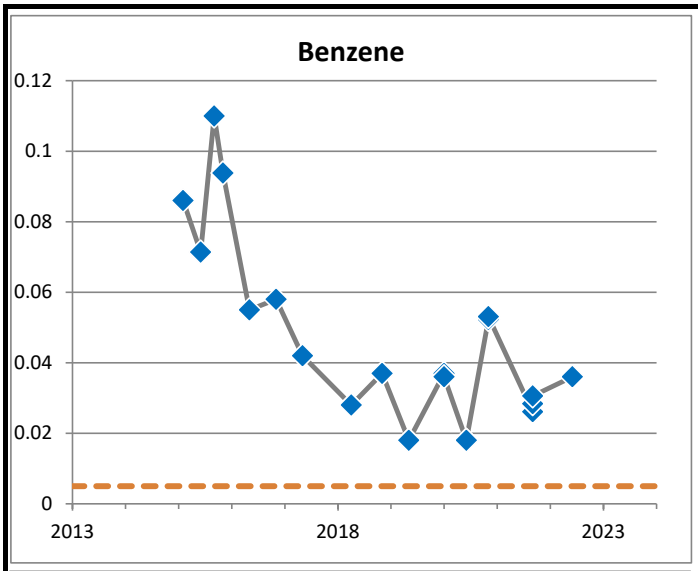
Drinking Water Guideline

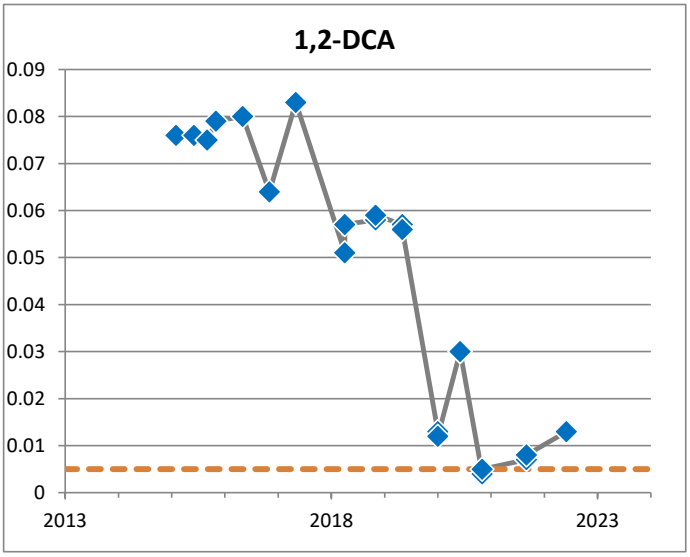
All samples are shown, including duplidates and multiple samples on the same date.

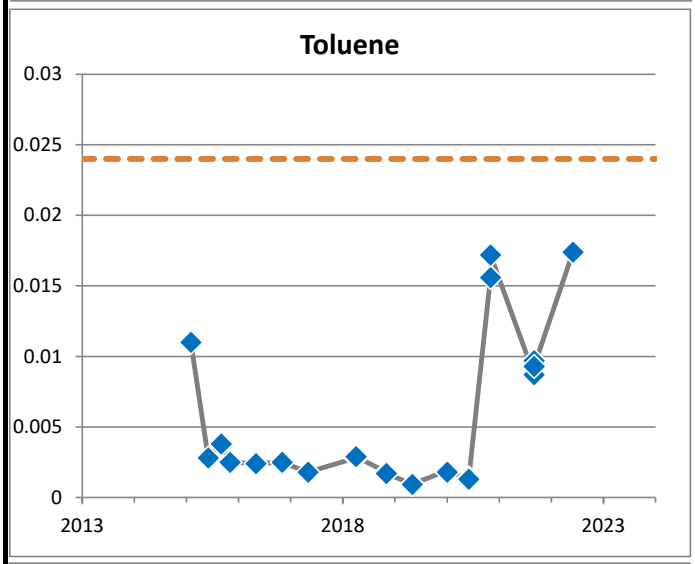
BH1904
(mg/L)

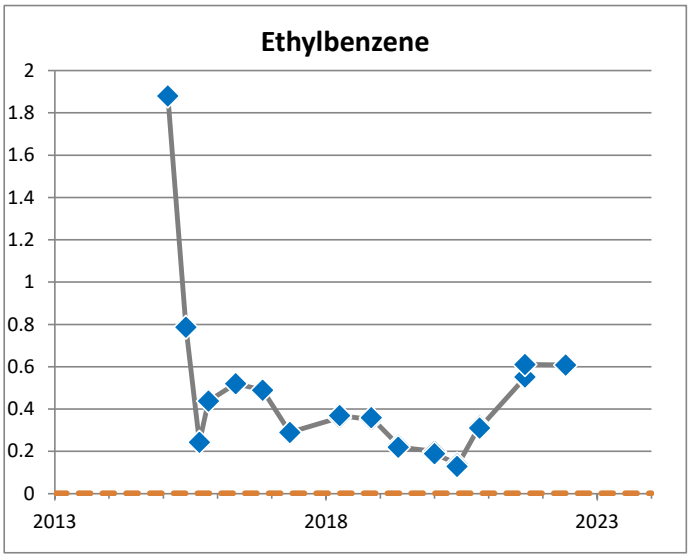
PARSONS

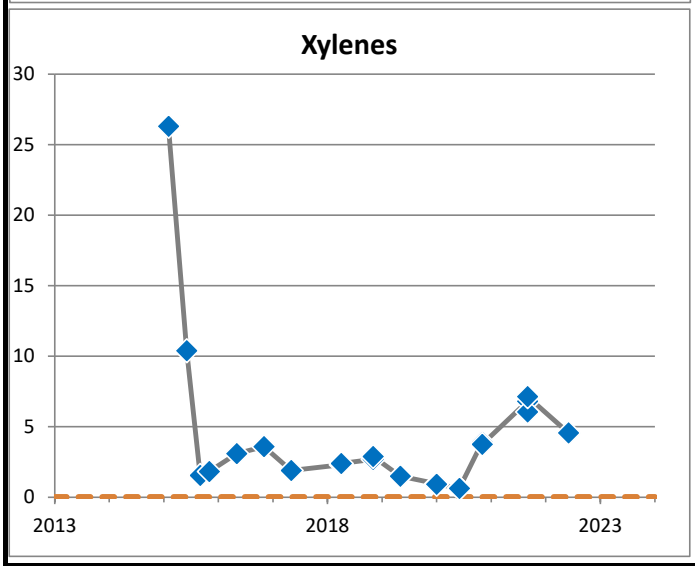
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-7	

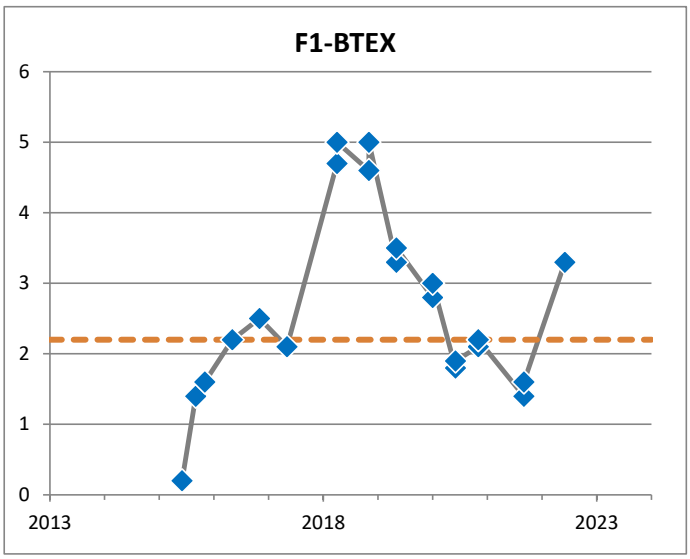












◇ Non-detect value

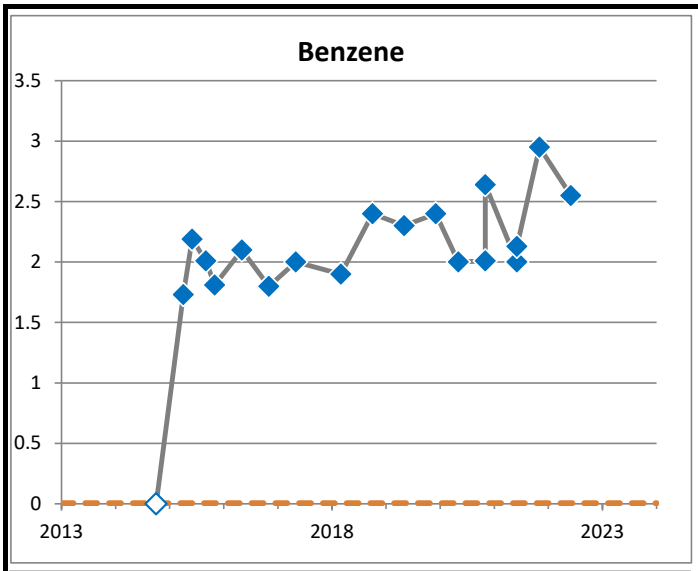
Drinking Water Guideline

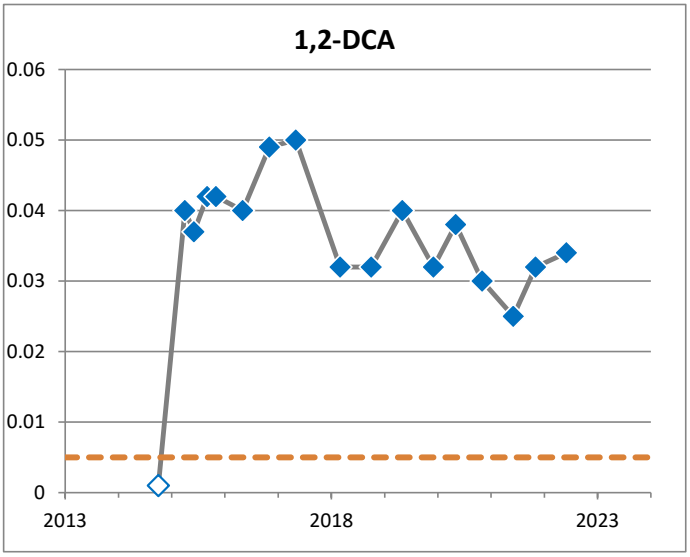
All samples are shown, including duplidates and multiple samples on the same date.

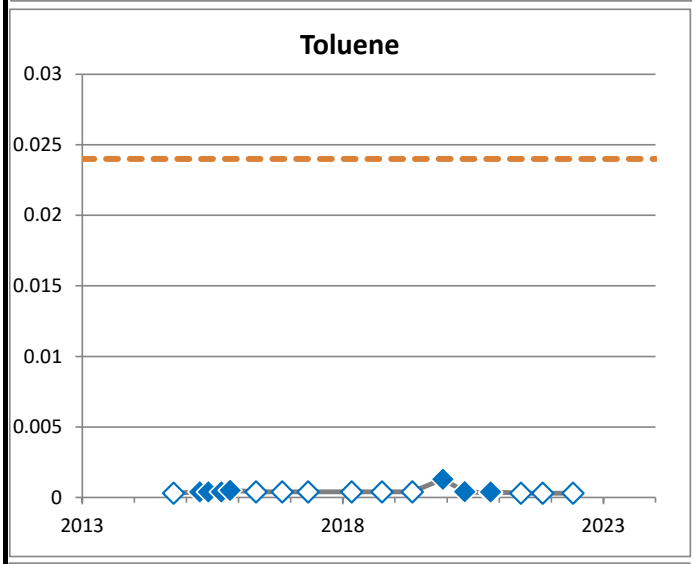
BH1905
(mg/L)

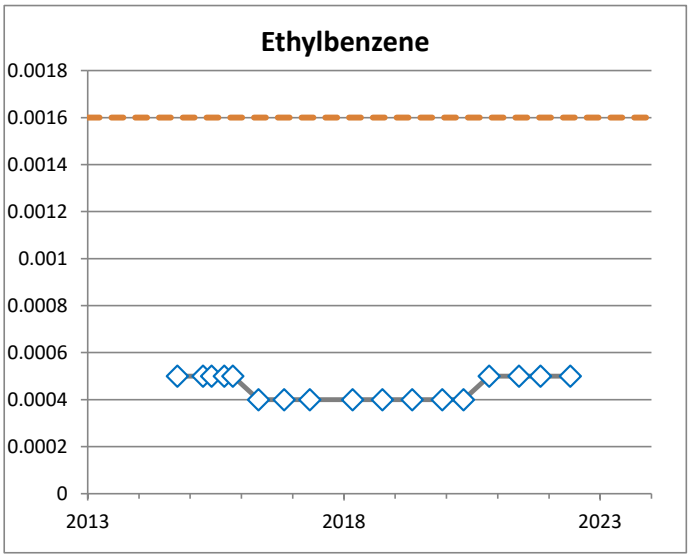
PARSONS

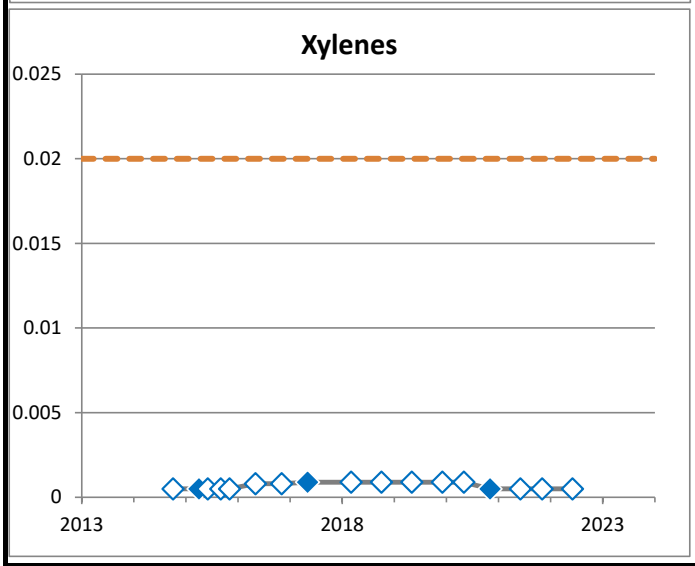
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-8	

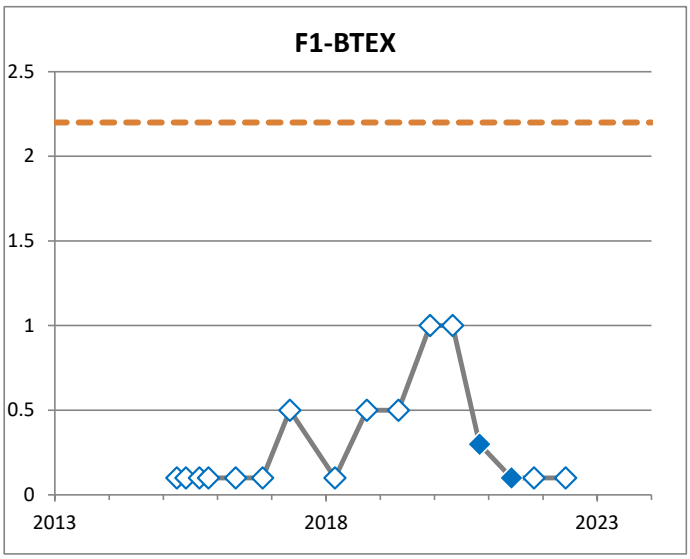












◇ Non-detect value

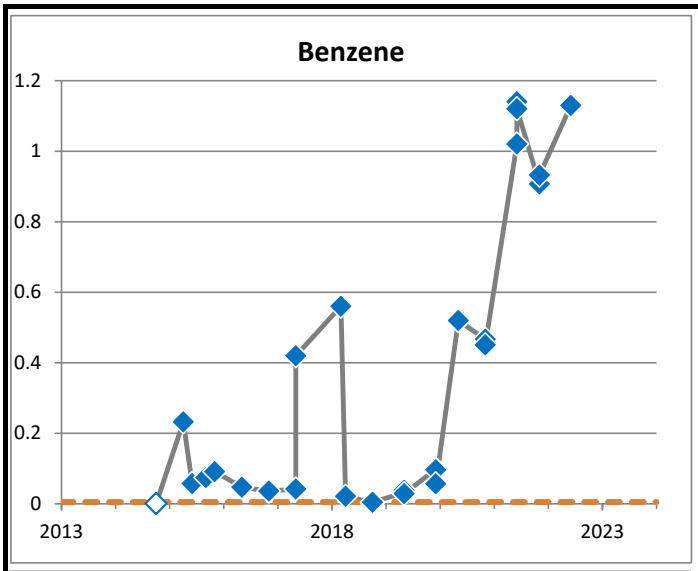
Drinking Water Guideline

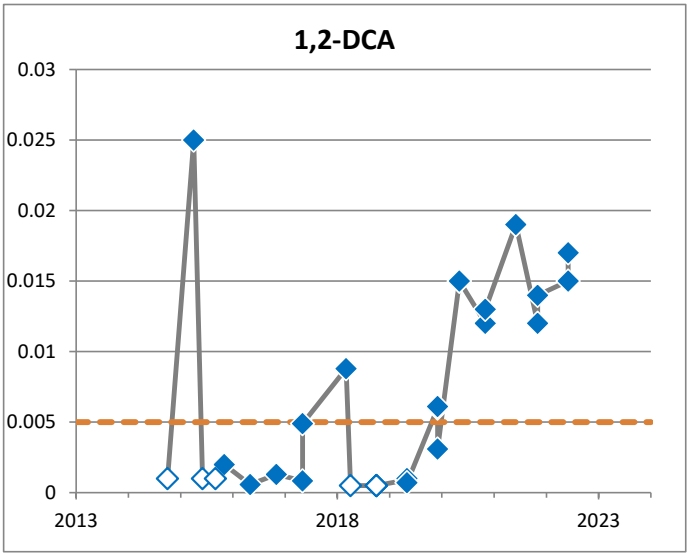
All samples are shown, including duplidates and multiple samples on the same date.

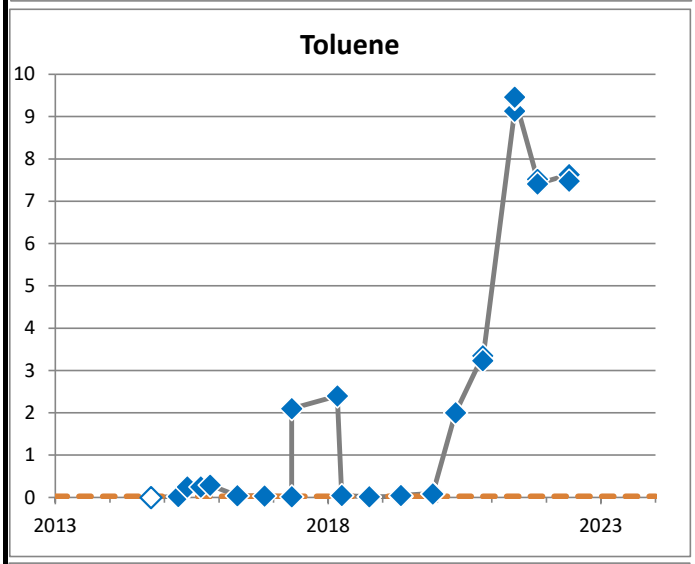
BH1906
(mg/L)

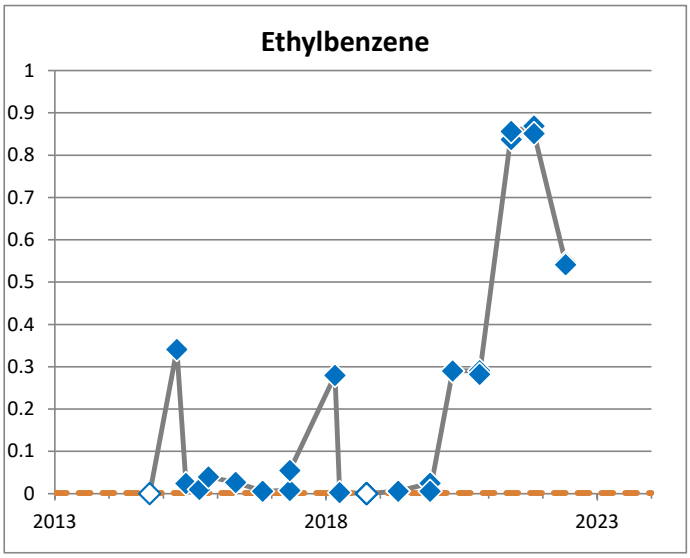
PARSONS

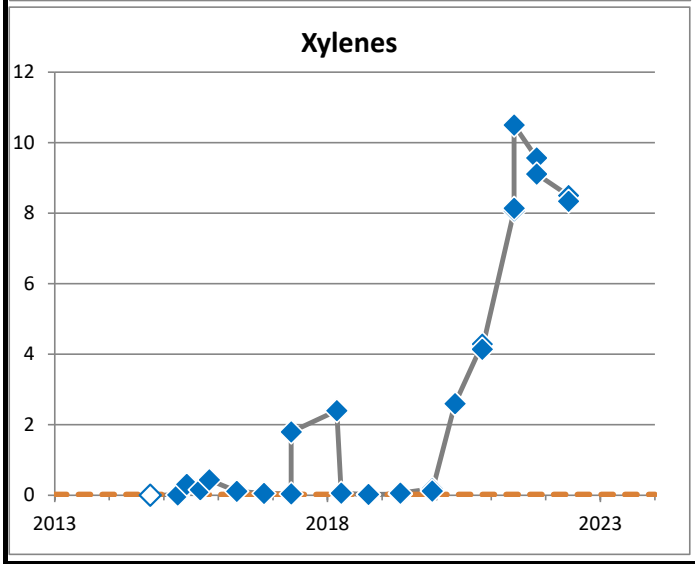
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-9	

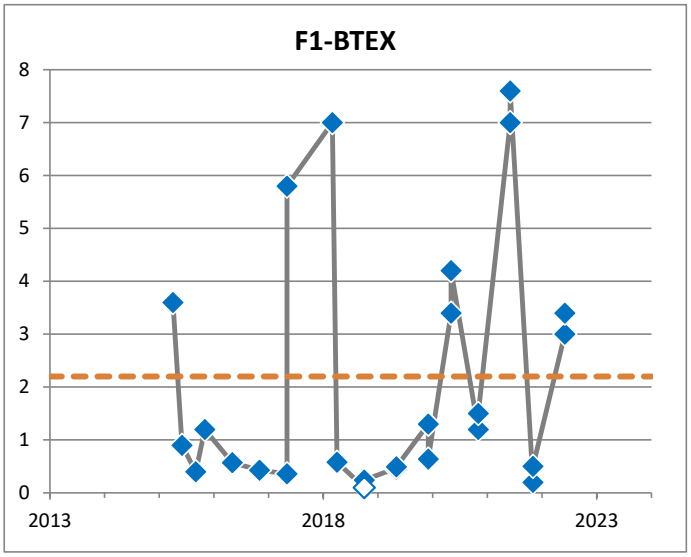












◇ Non-detect value

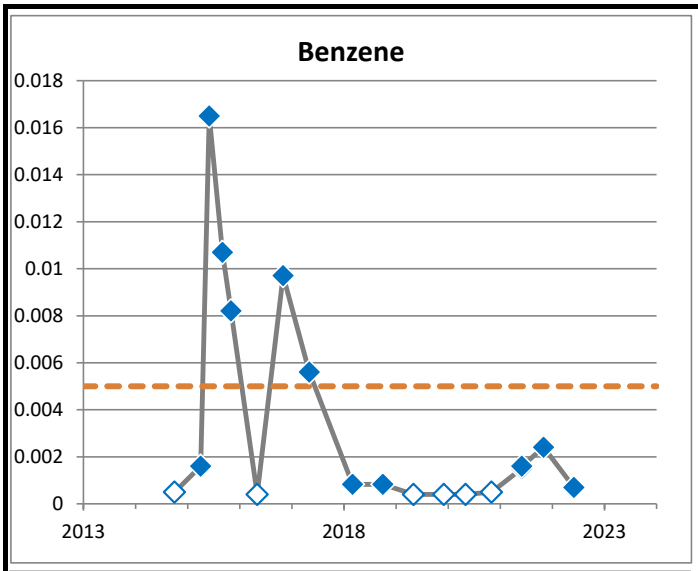
Drinking Water Guideline

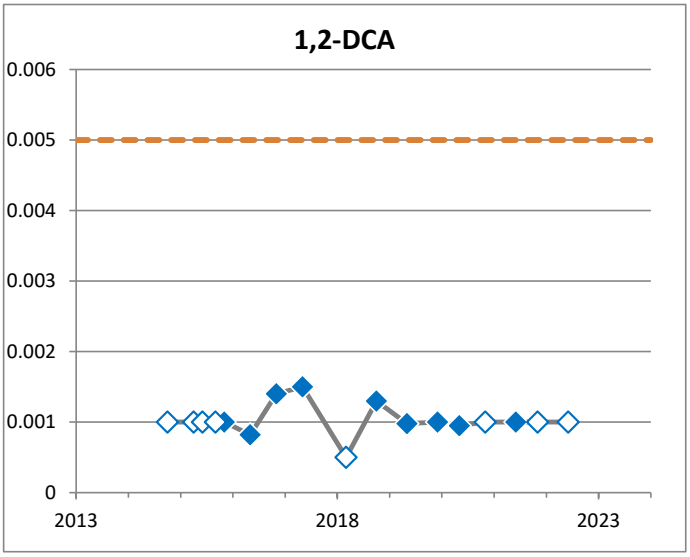
All samples are shown, including duplidates and multiple samples on the same date.

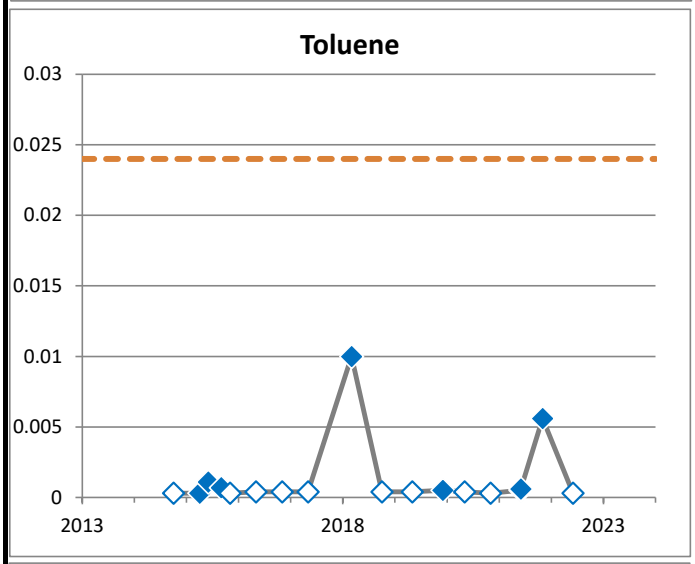
BH1907
(mg/L)

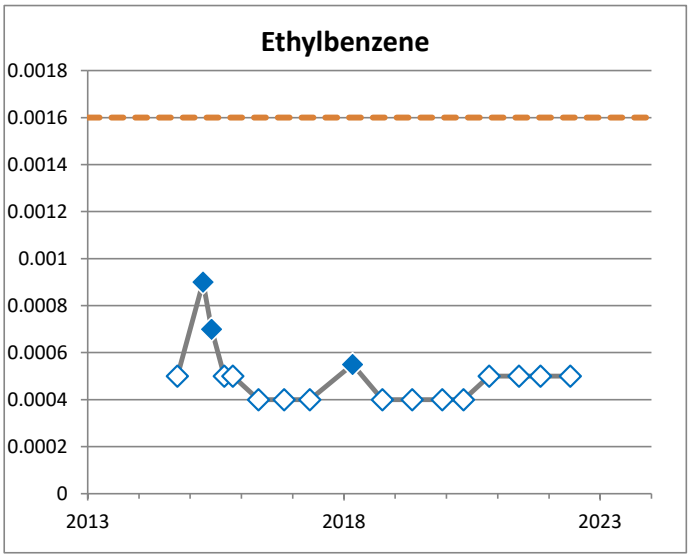
PARSONS

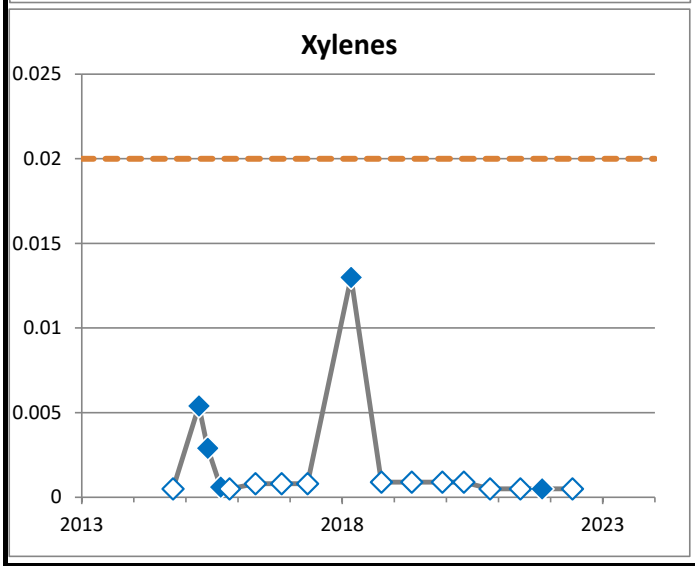
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-10	

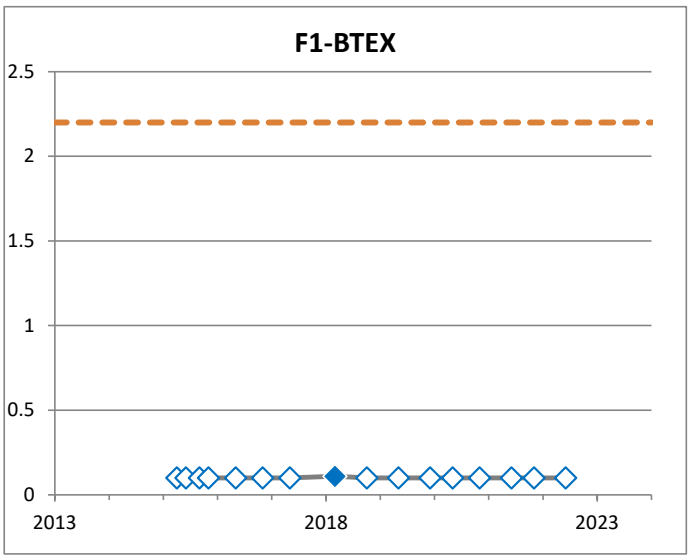












◇ Non-detect value

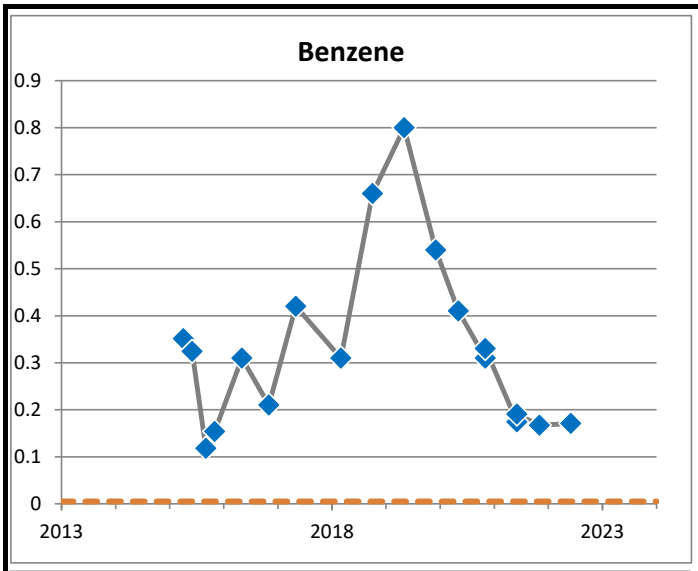
Drinking Water Guideline

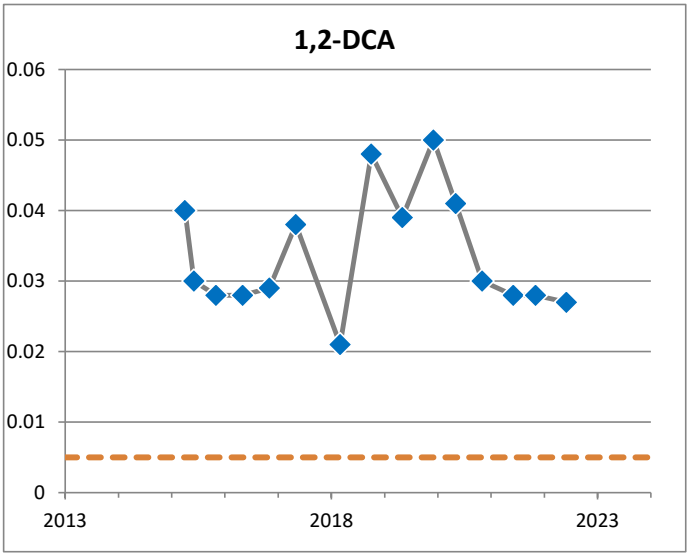
All samples are shown, including duplidates and multiple samples on the same date.

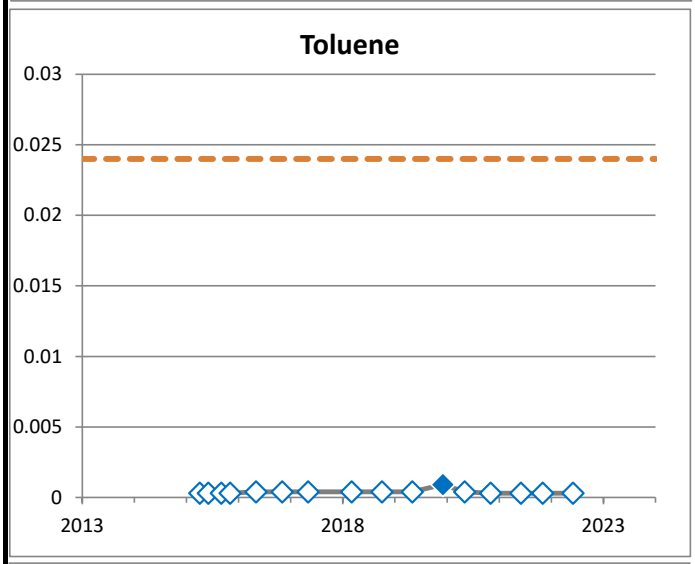
BH1908
(mg/L)

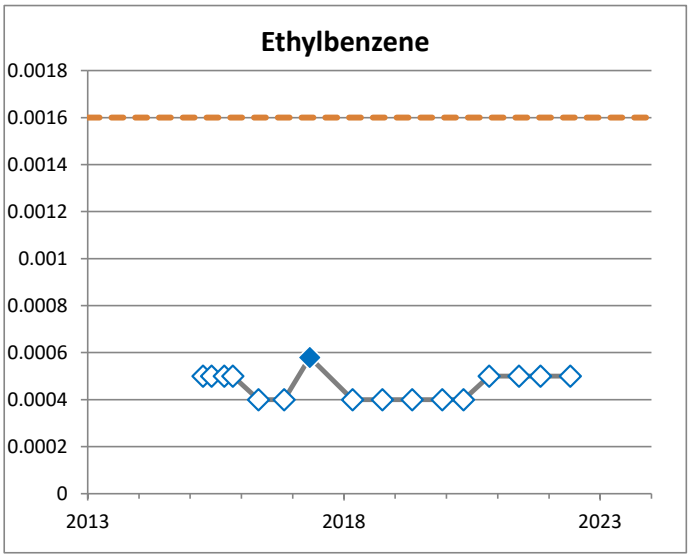
PARSONS

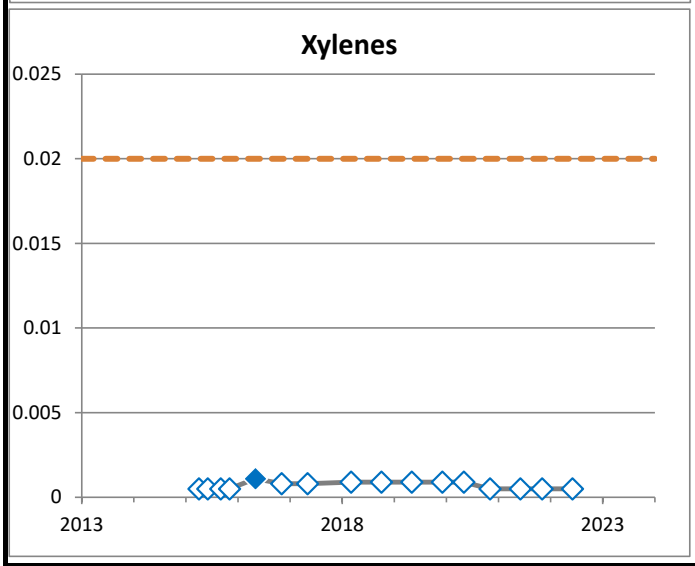
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-11	

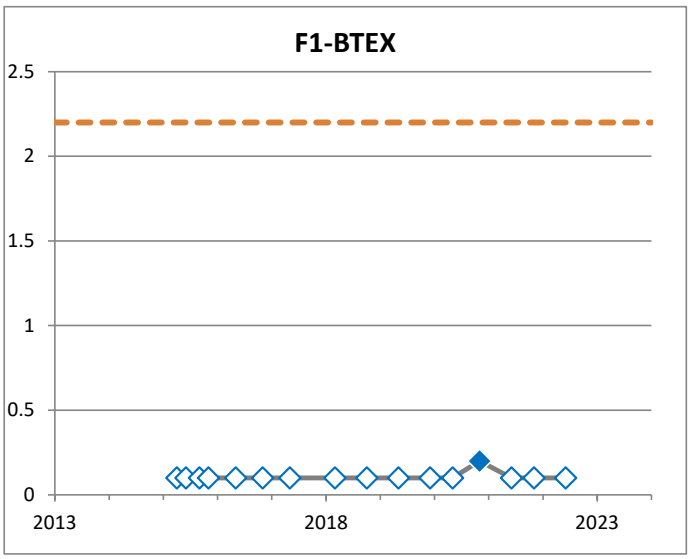












◇ Non-detect value

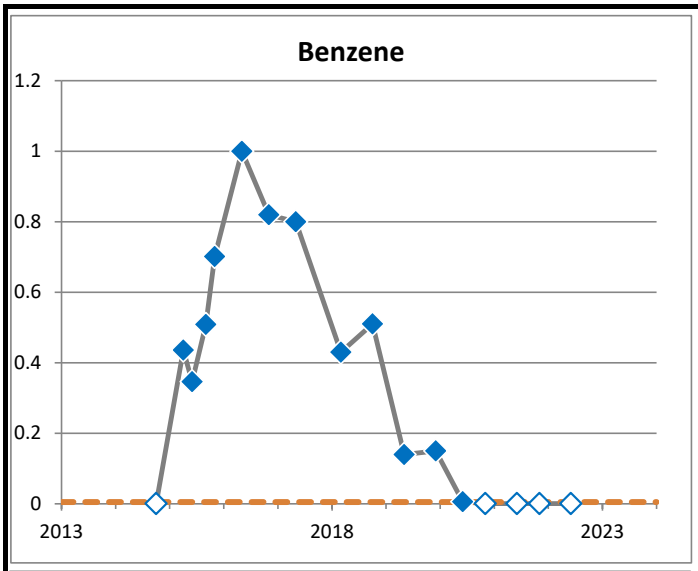
Drinking Water Guideline

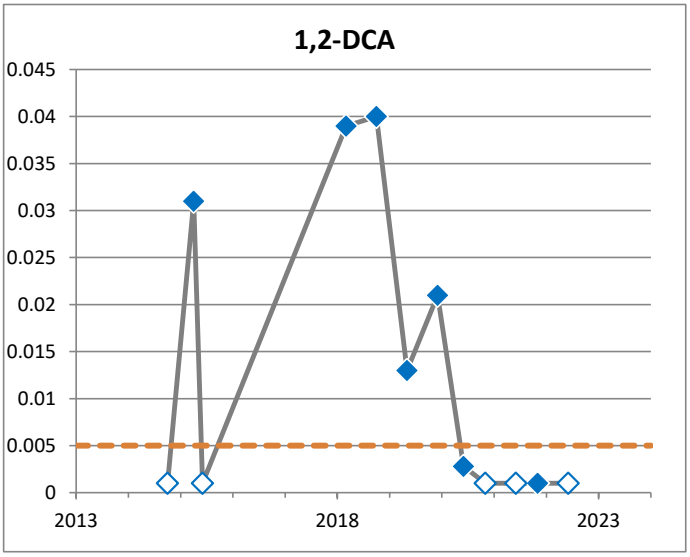
All samples are shown, including duplidates and multiple samples on the same date.

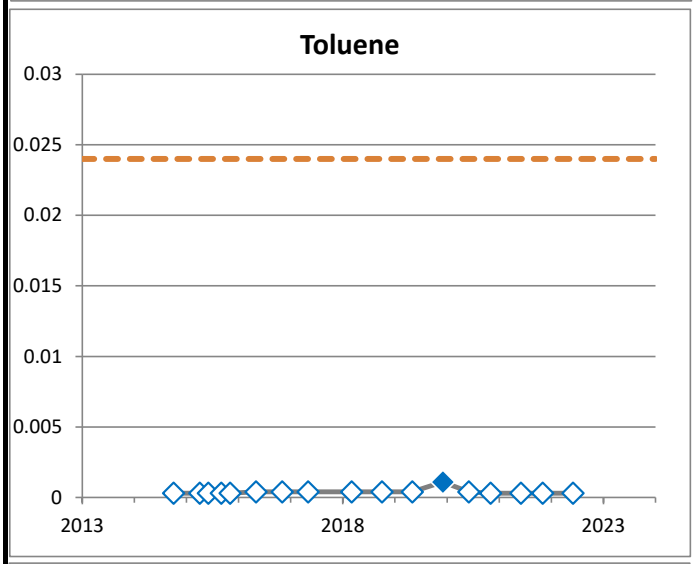
BH1910
(mg/L)

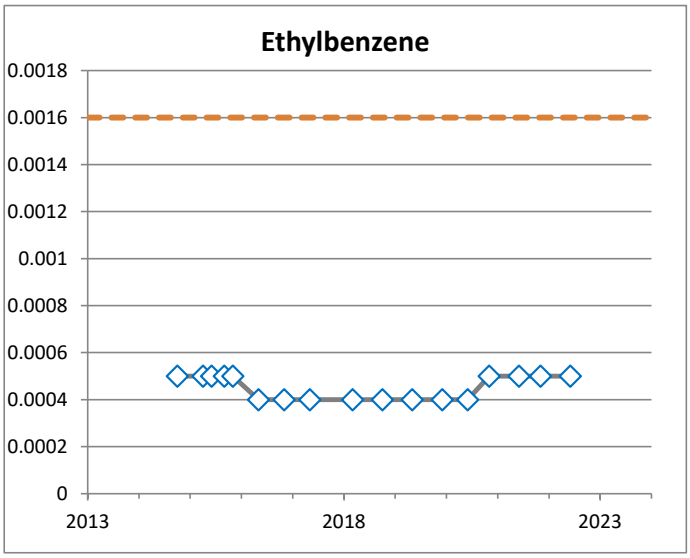
PARSONS

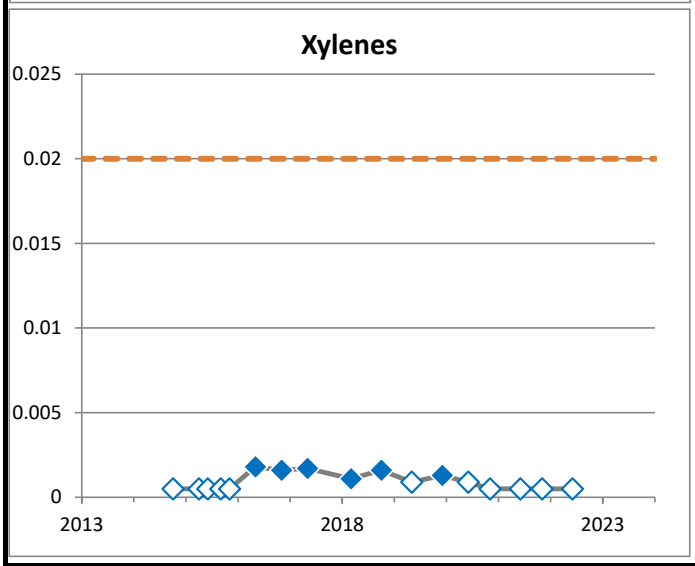
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-12	

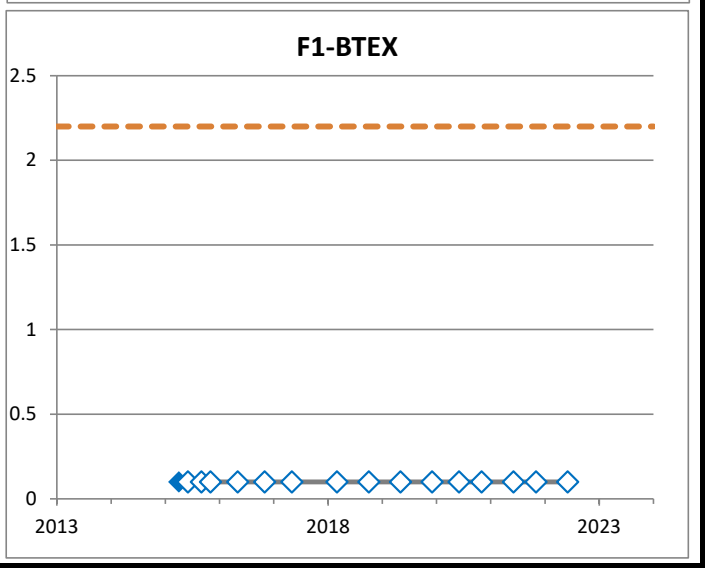












◇ Non-detect value

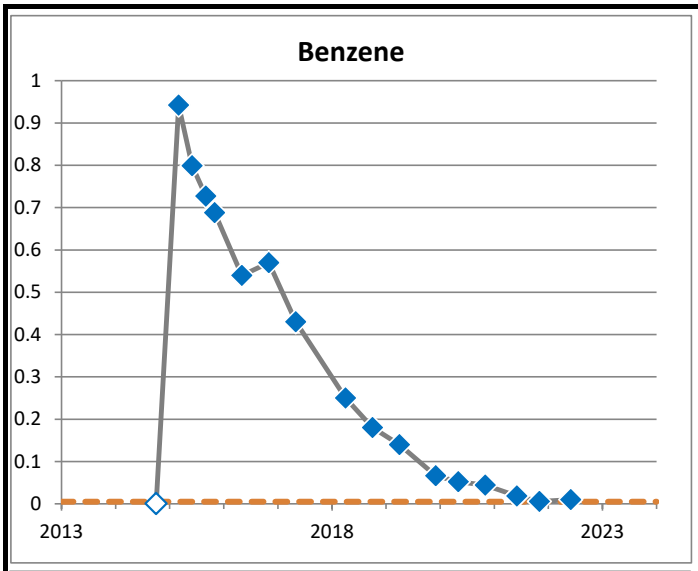
Drinking Water Guideline

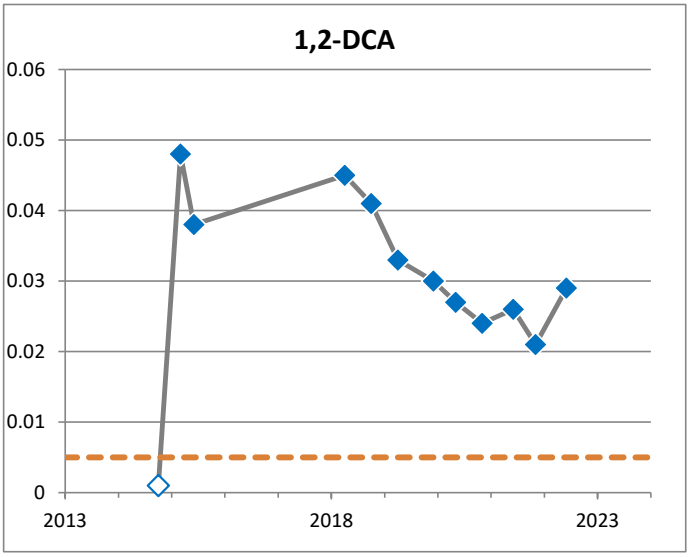
All samples are shown, including duplidates and multiple samples on the same date.

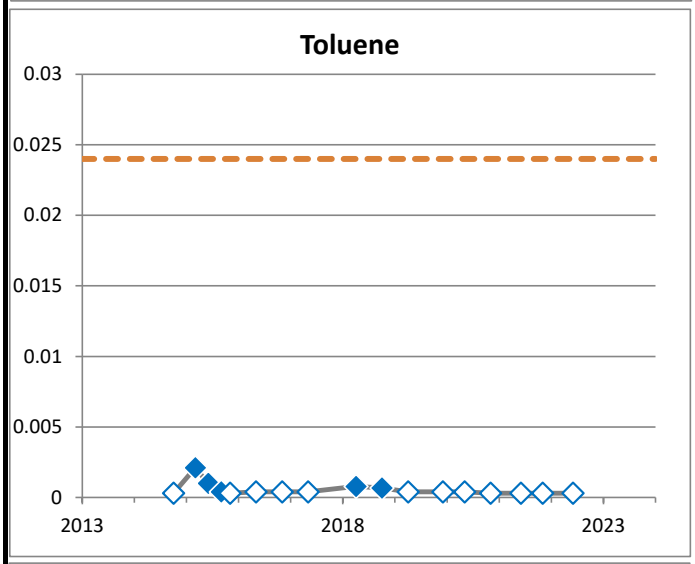
BH1911
(mg/L)

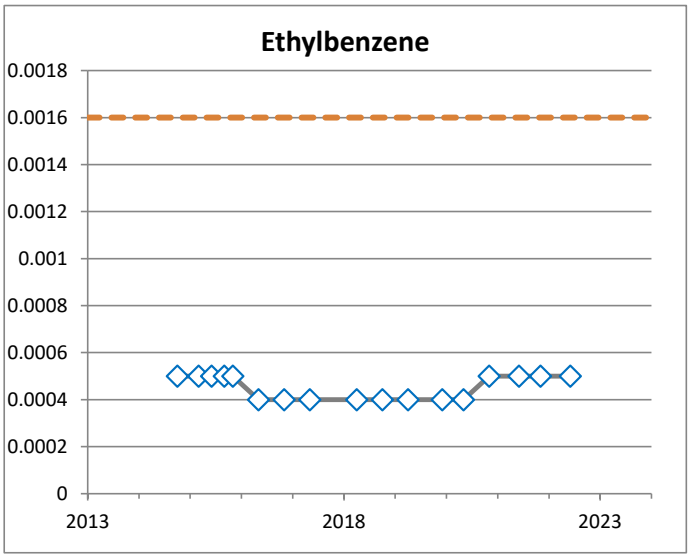
PARSONS

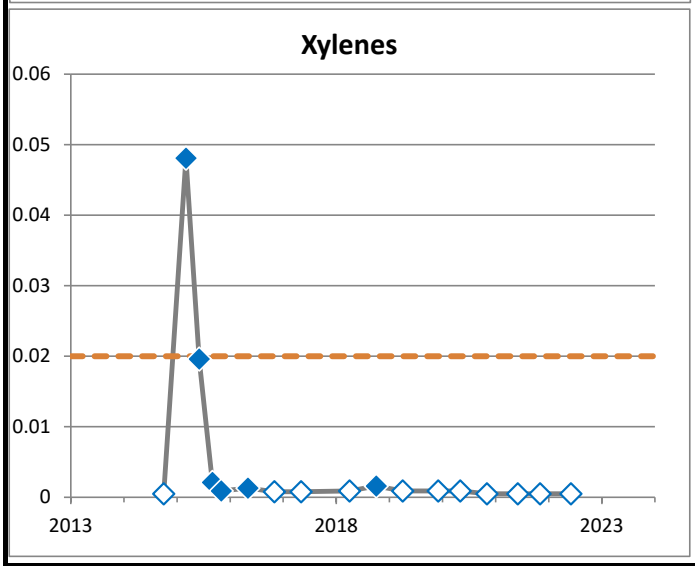
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-13	

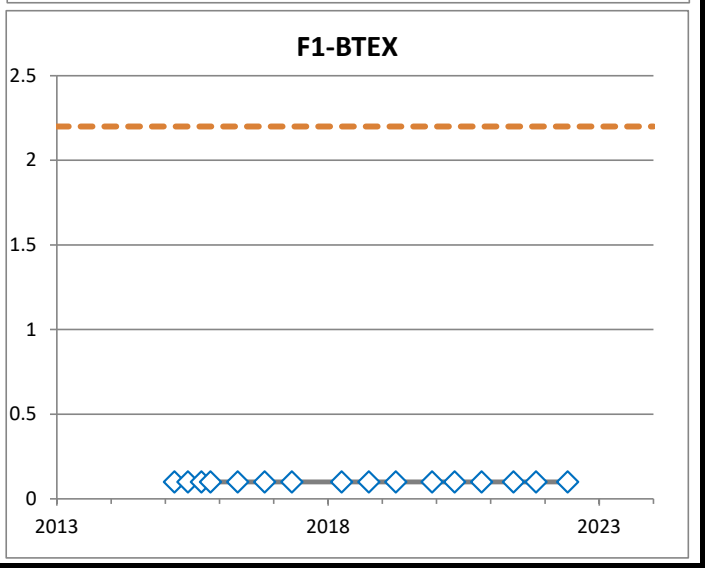












◇ Non-detect value

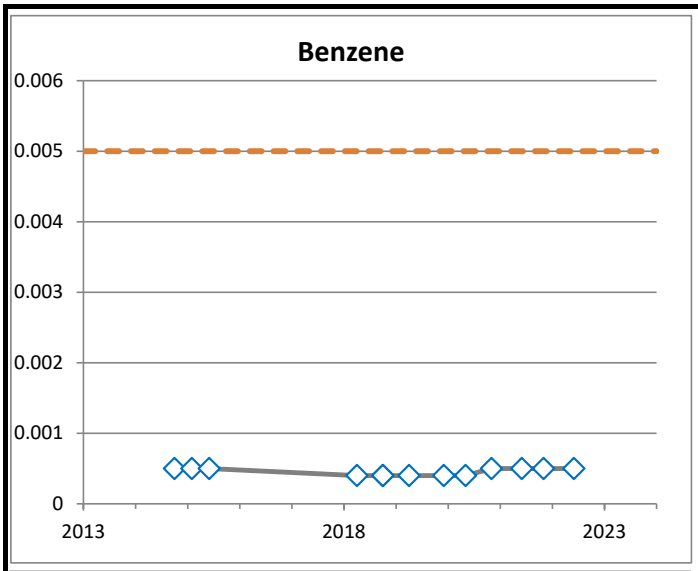
Drinking Water Guideline

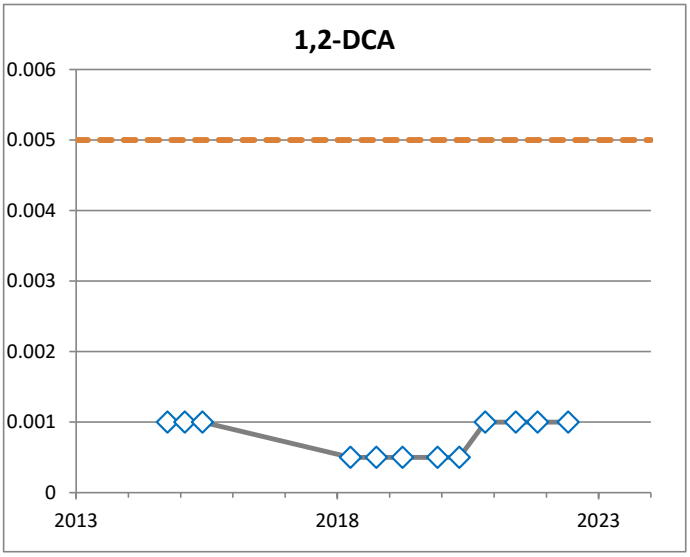
All samples are shown, including duplidates and multiple samples on the same date.

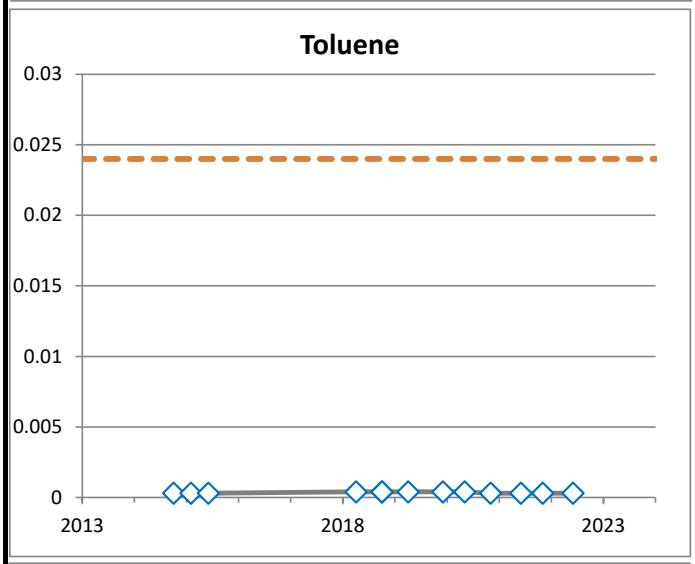
BH1912
(mg/L)

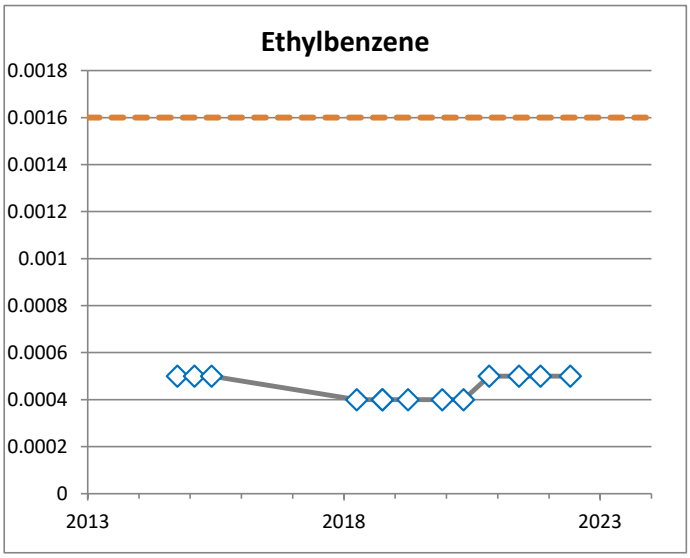
PARSONS

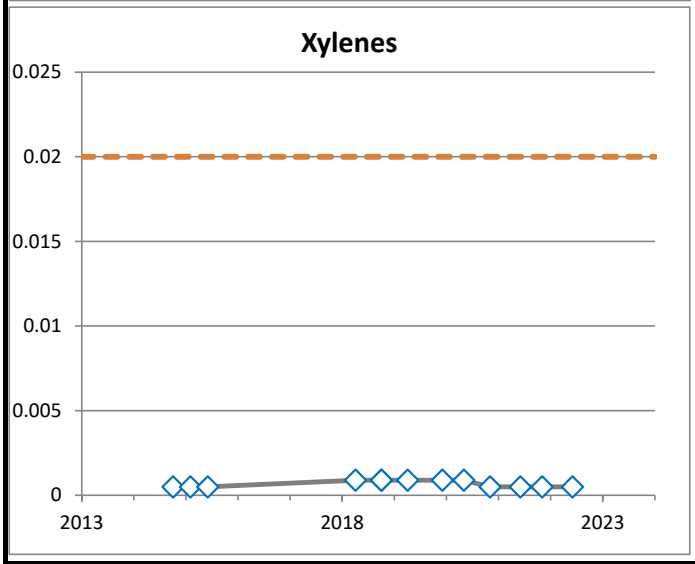
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-14	

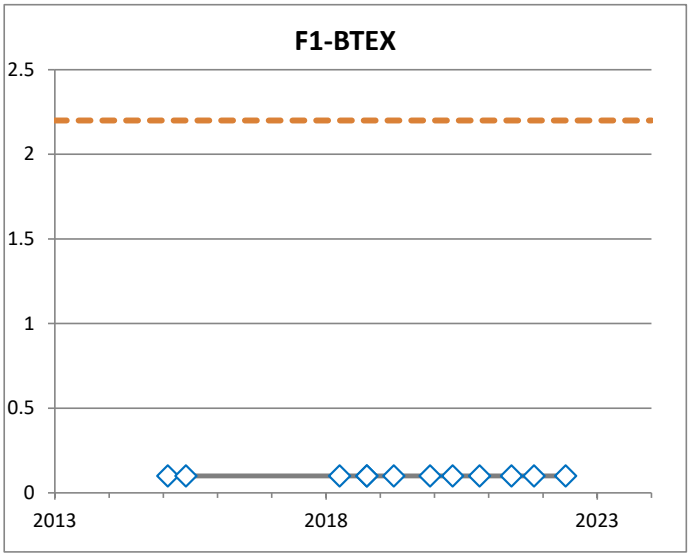












◇ Non-detect value

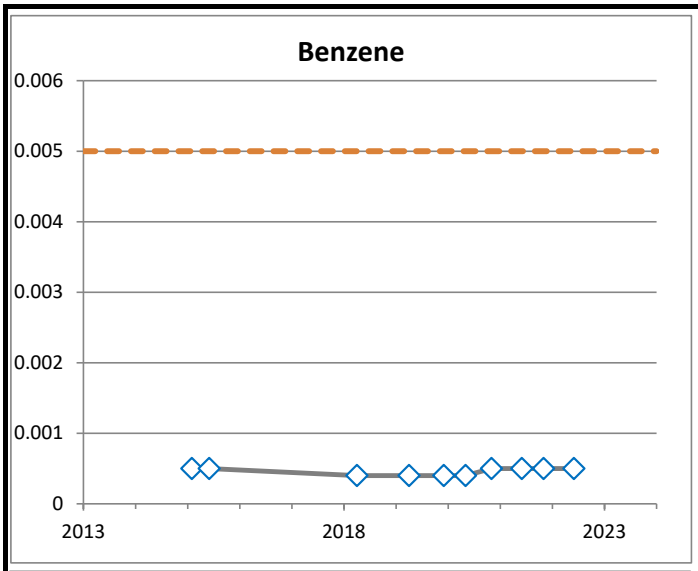
Drinking Water Guideline

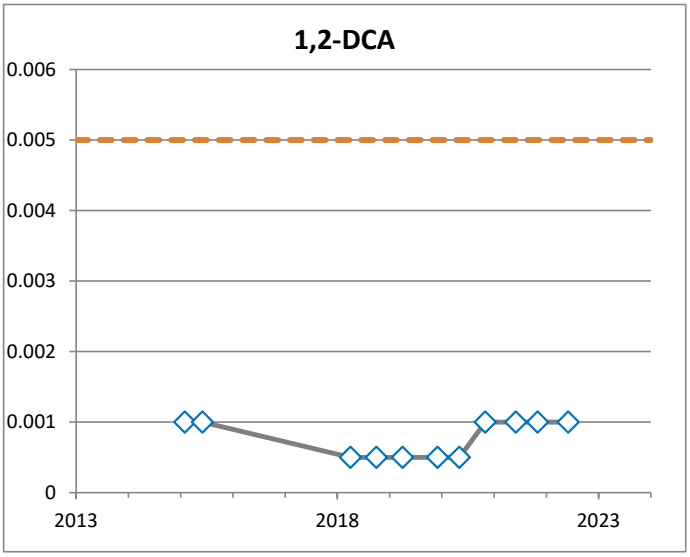
All samples are shown, including duplidates and multiple samples on the same date.

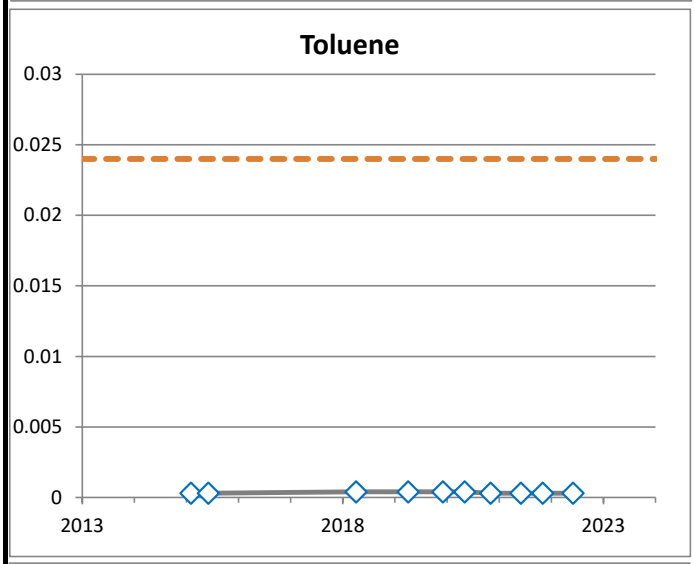
BH1913
(mg/L)

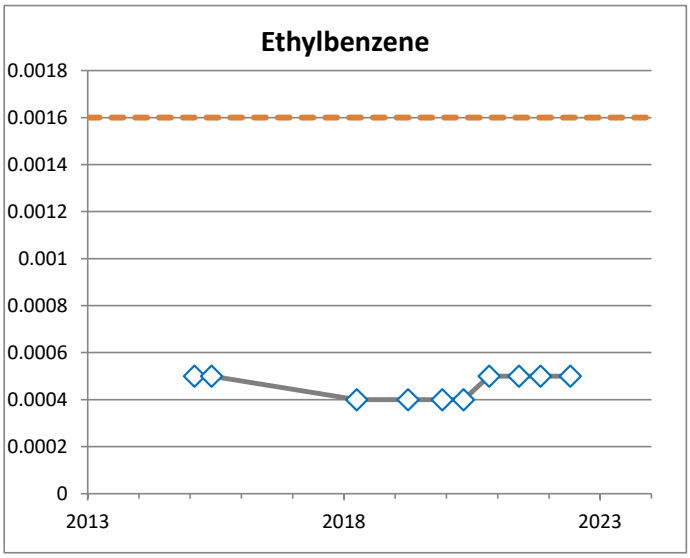
PARSONS

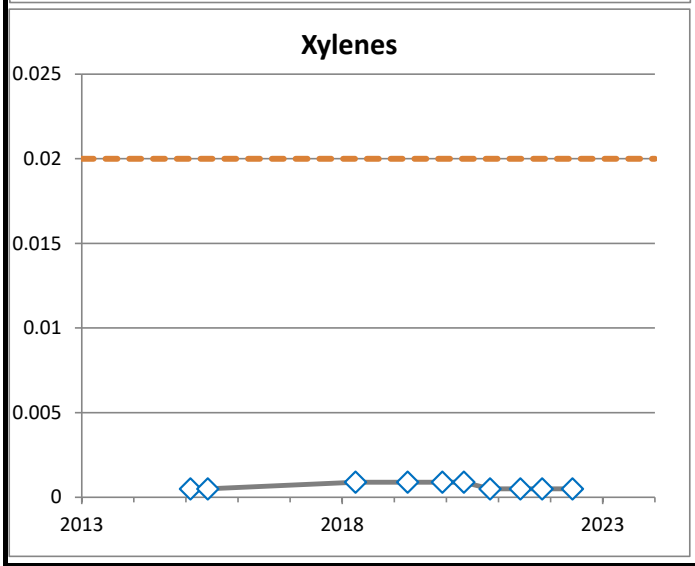
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-15	

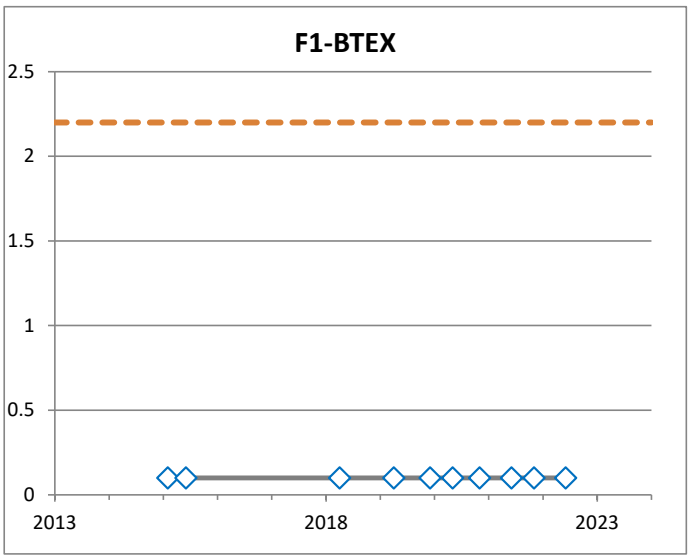












◇ Non-detect value

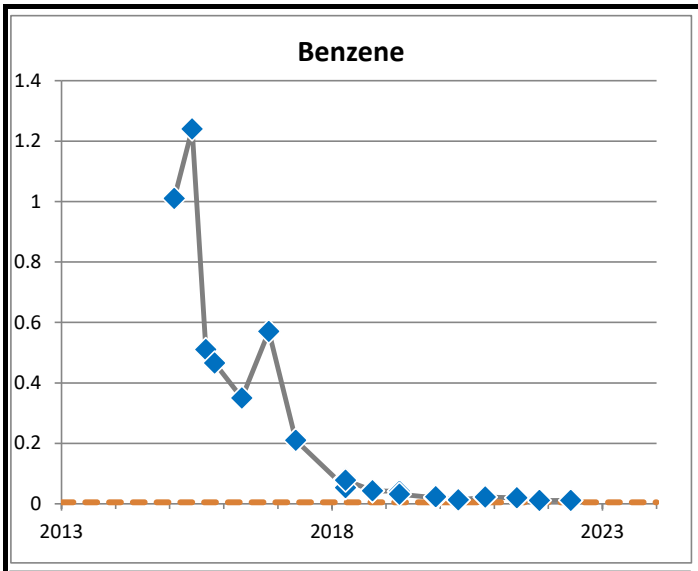
Drinking Water Guideline

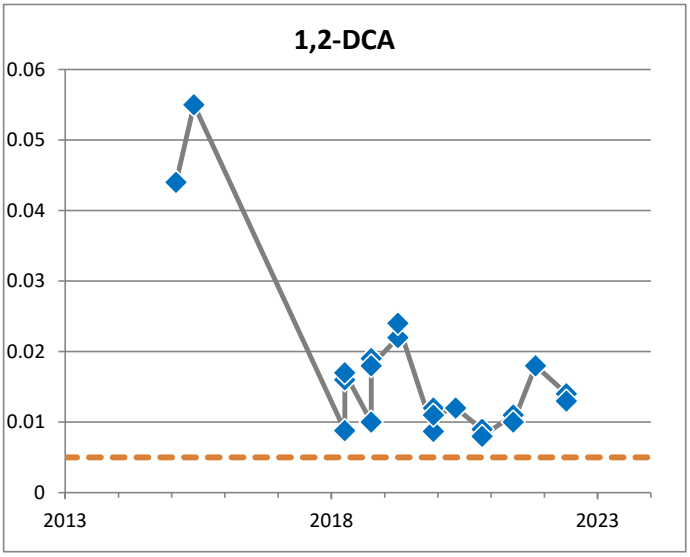
All samples are shown, including duplidates and multiple samples on the same date.

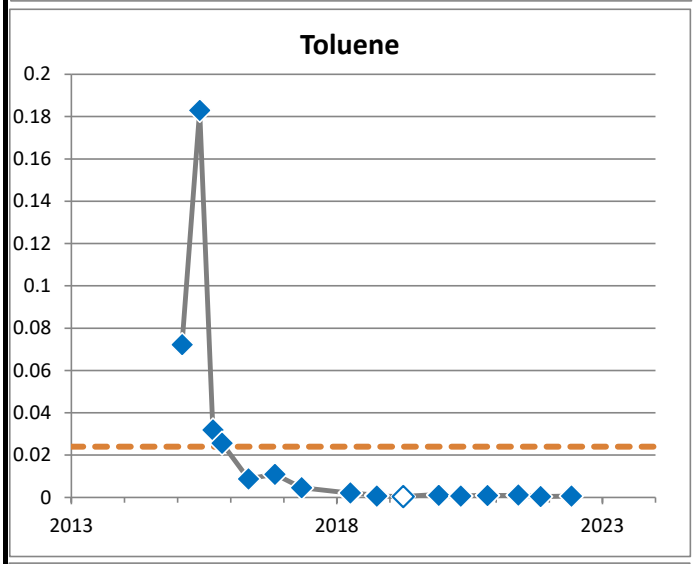
BH1914
(mg/L)

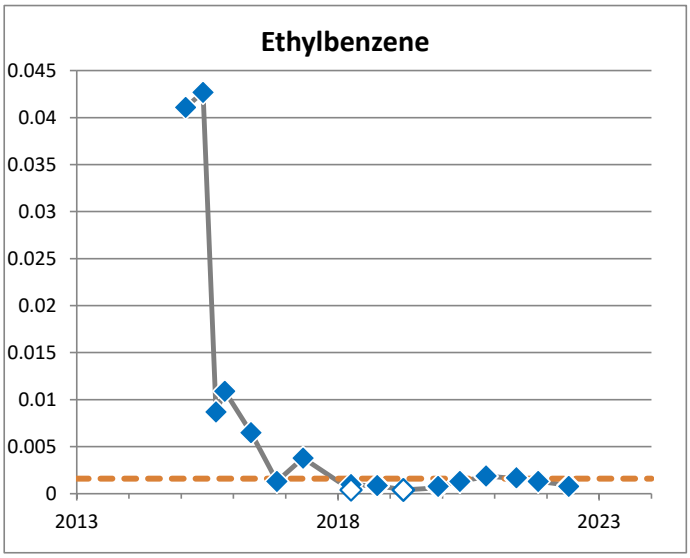
PARSONS

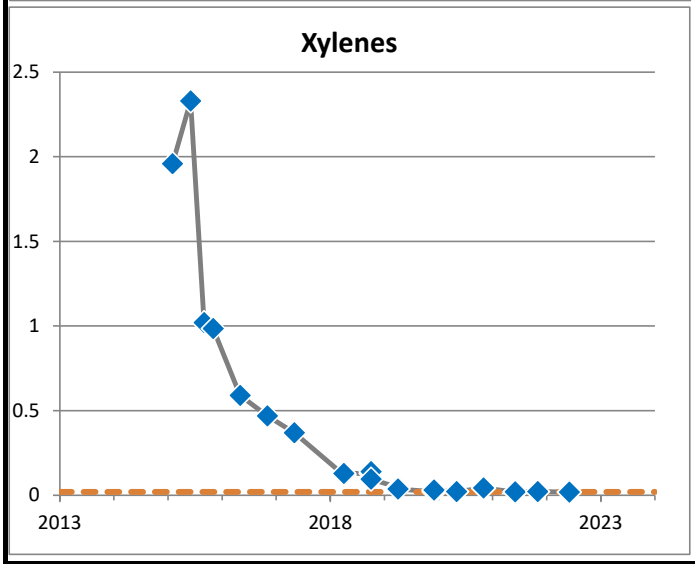
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-16		

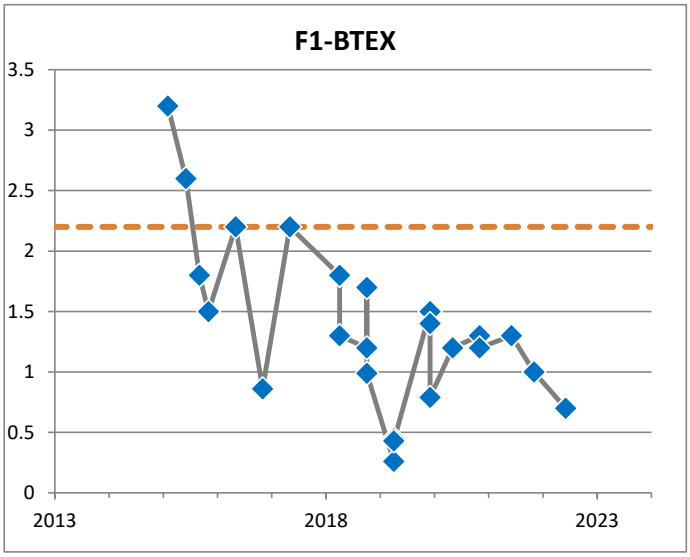












◇ Non-detect value

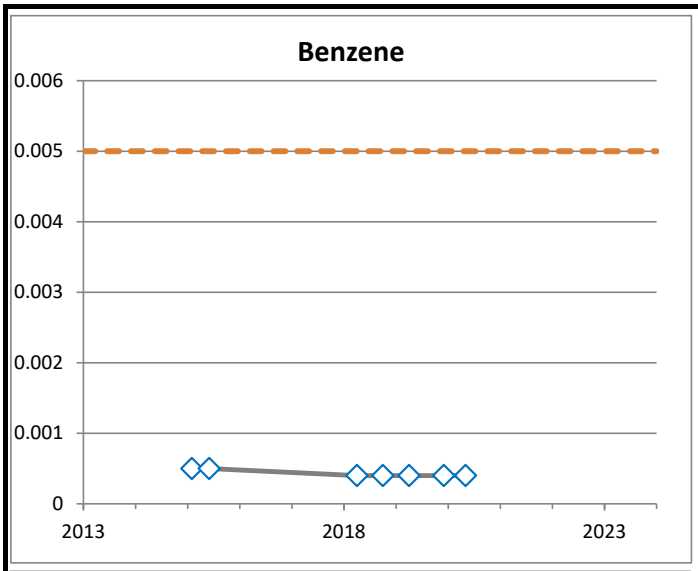
Drinking Water Guideline

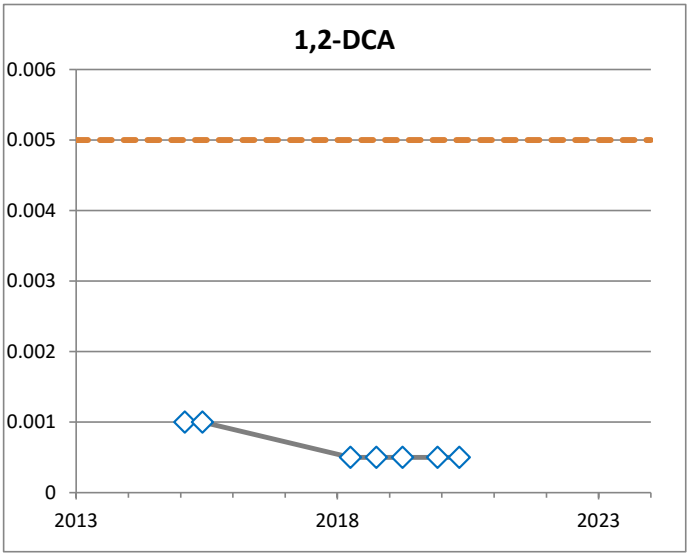
All samples are shown, including duplidates and multiple samples on the same date.

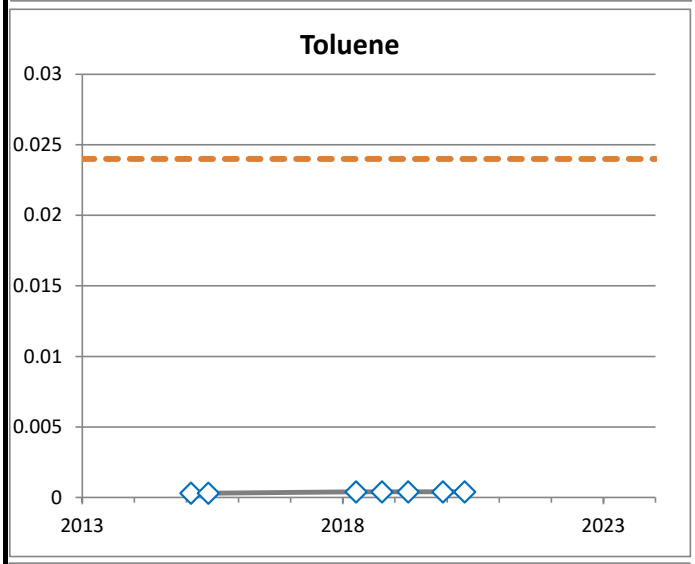
BH1915
(mg/L)

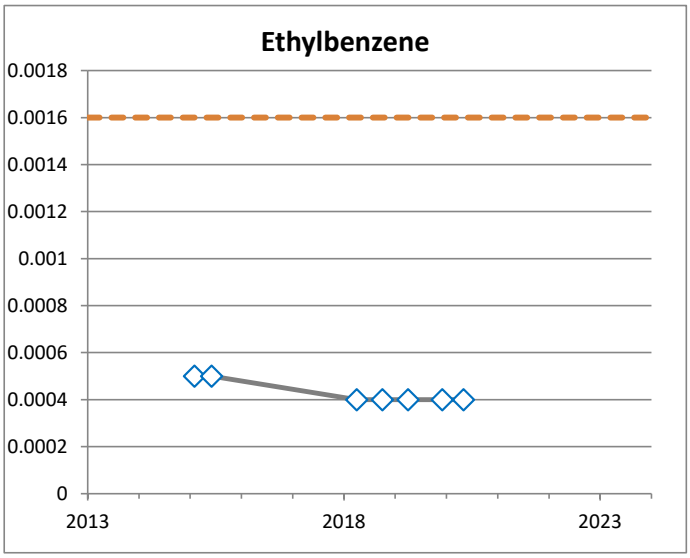
PARSONS

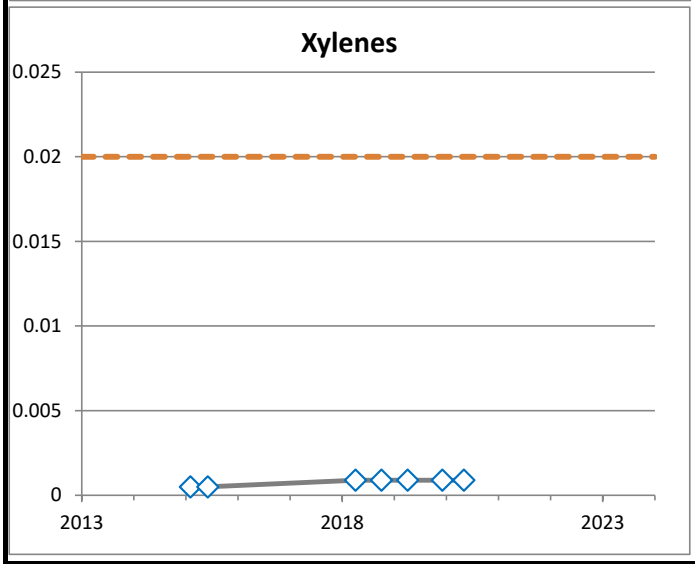
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-17	

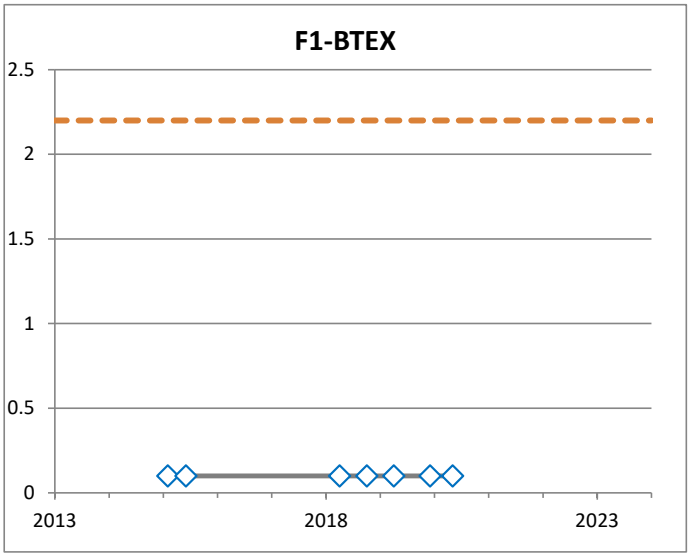












◇ Non-detect value

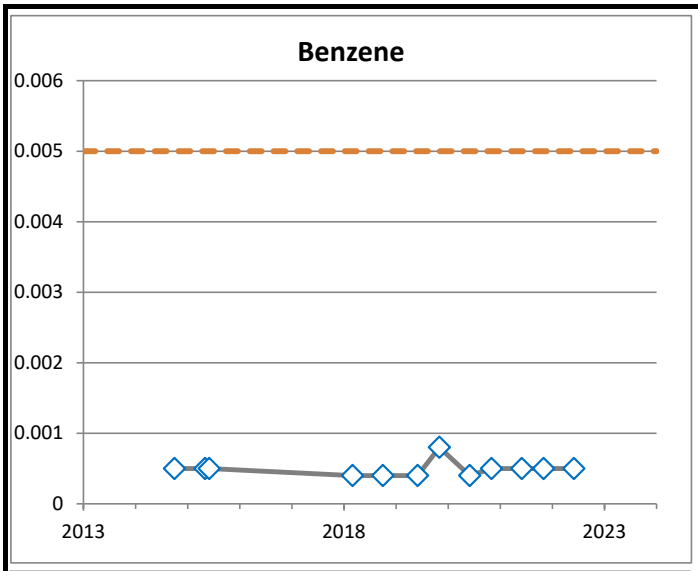
Drinking Water Guideline

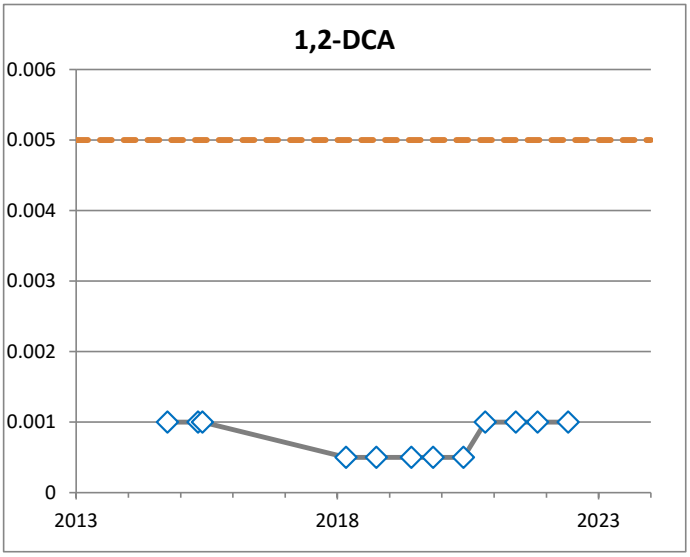
All samples are shown, including duplidates and multiple samples on the same date.

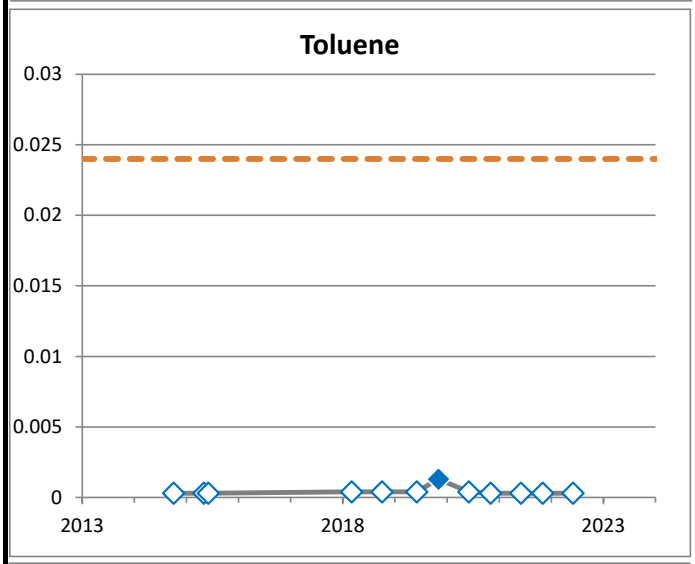
BH1916
(mg/L)

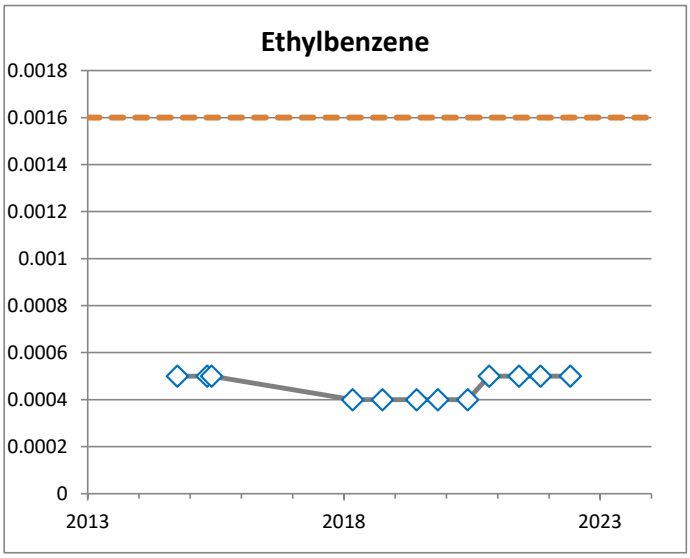
PARSONS

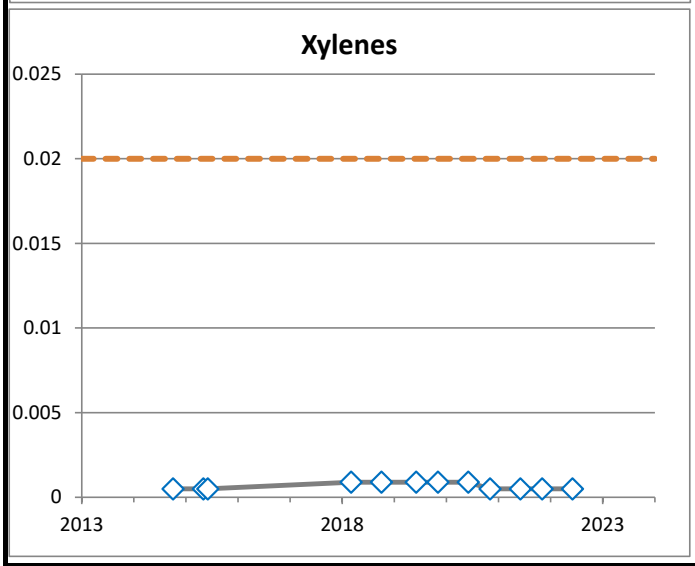
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-18	

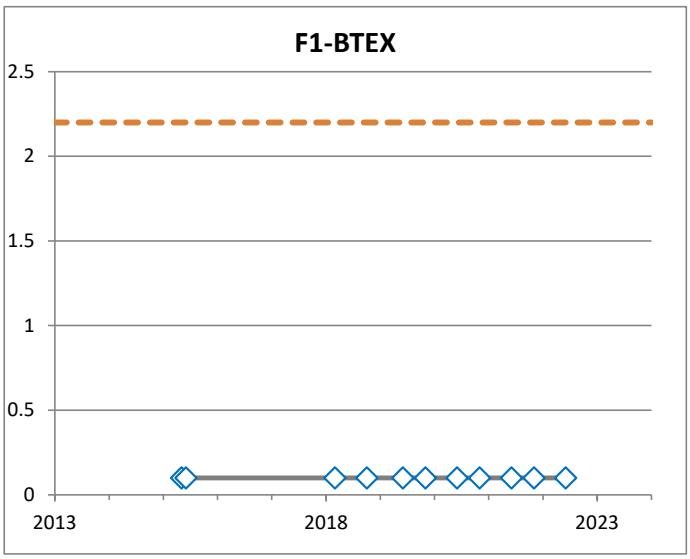












◇ Non-detect value

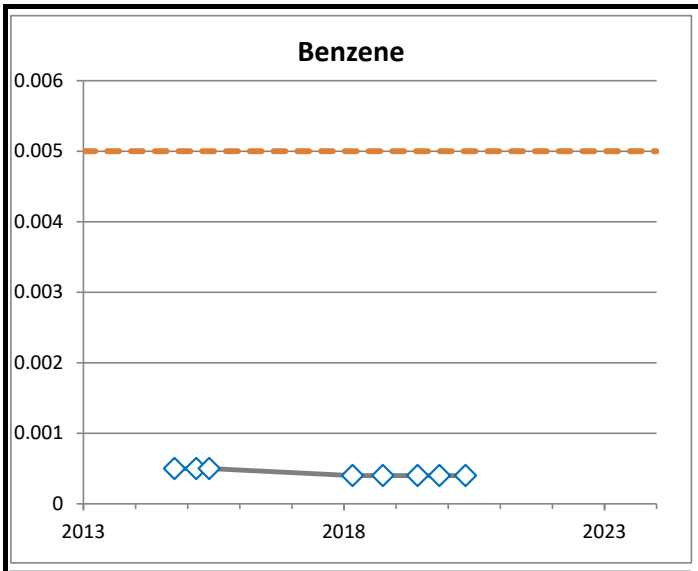
Drinking Water Guideline

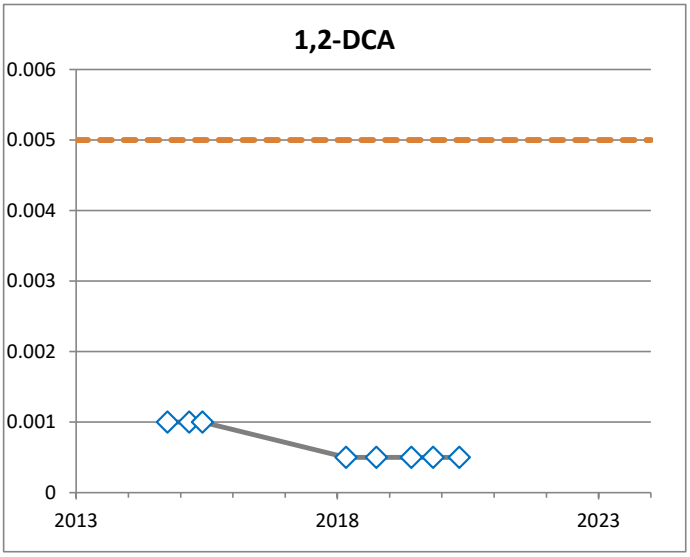
All samples are shown, including duplidates and multiple samples on the same date.

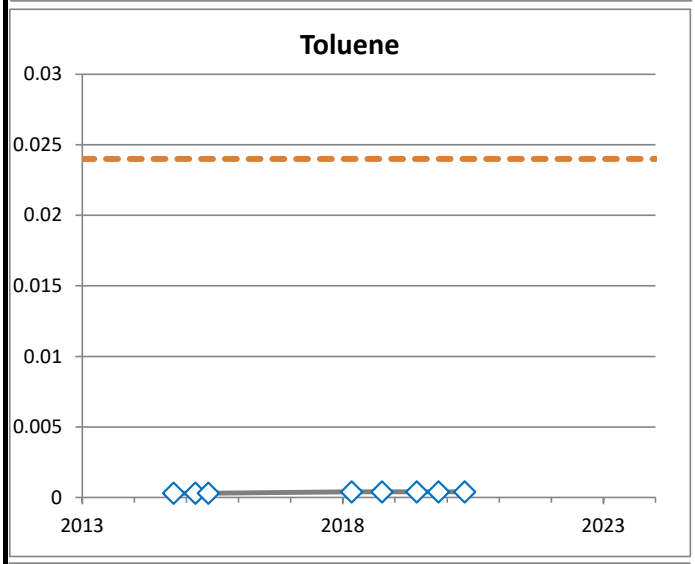
BH1917
(mg/L)

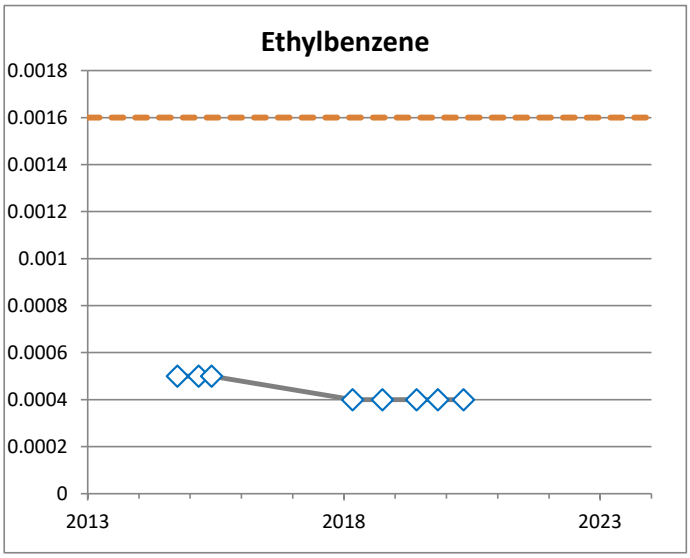
PARSONS

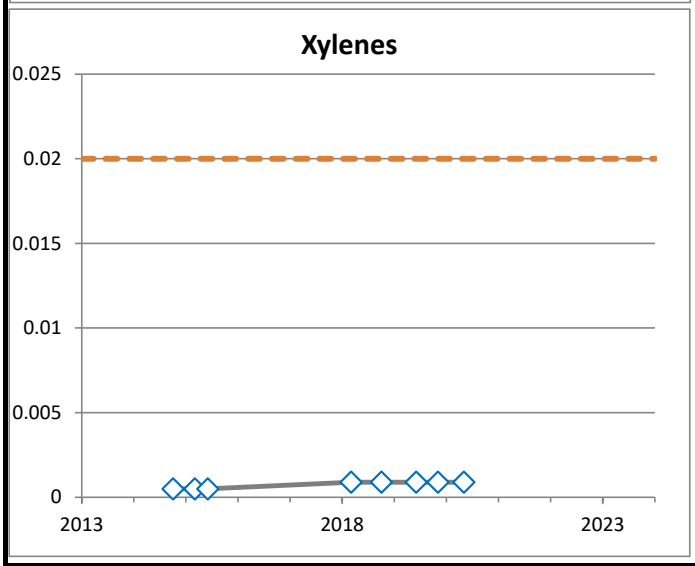
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-19		

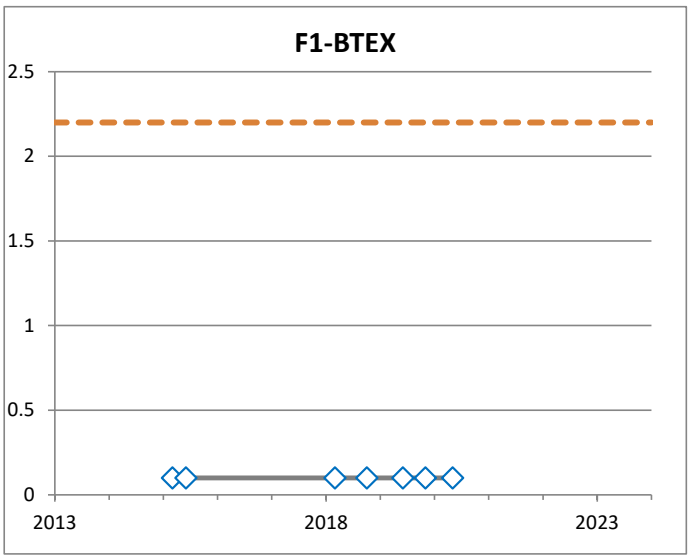












◇ Non-detect value

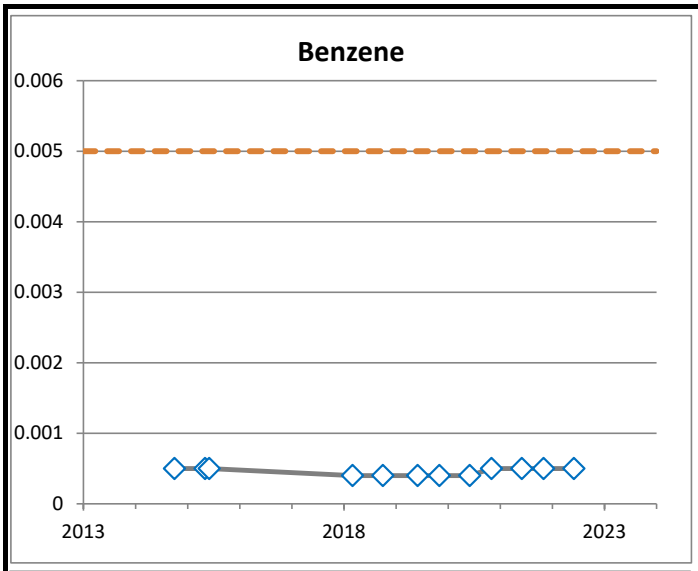
Drinking Water Guideline

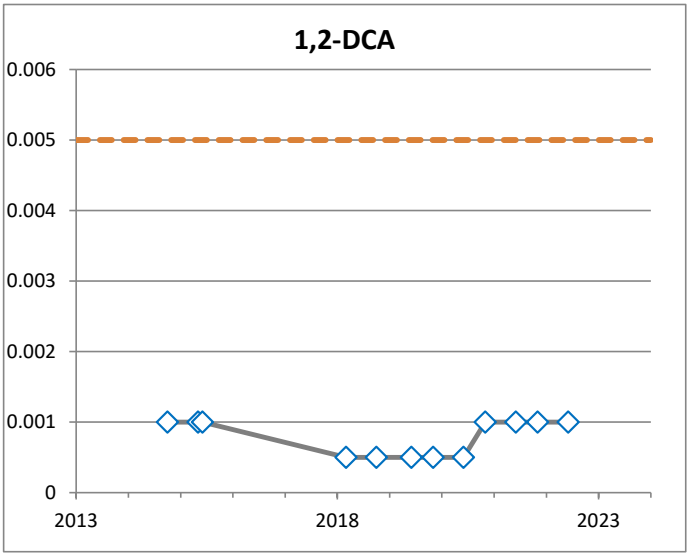
All samples are shown, including duplidates and multiple samples on the same date.

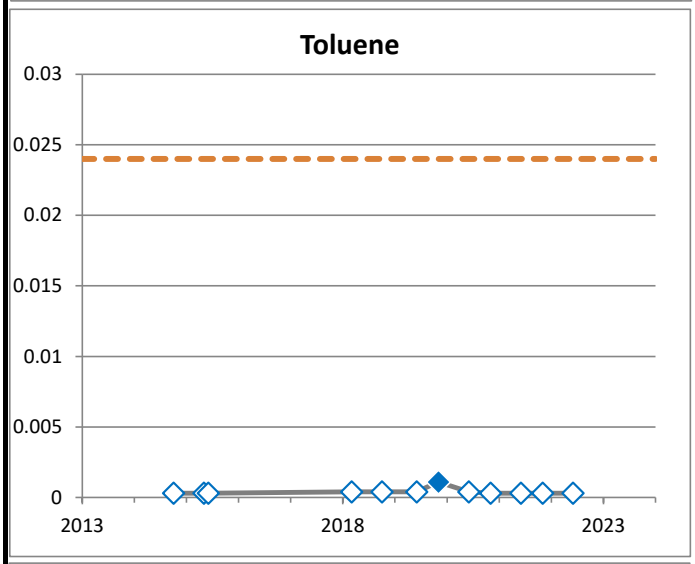
BH1918
(mg/L)

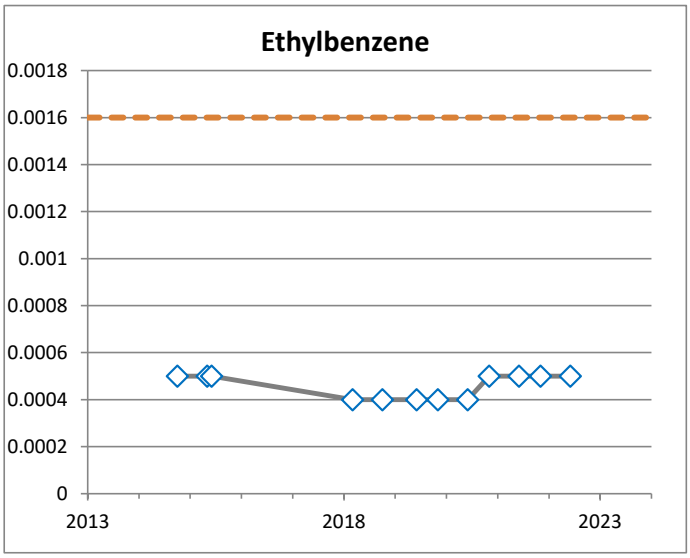
PARSONS

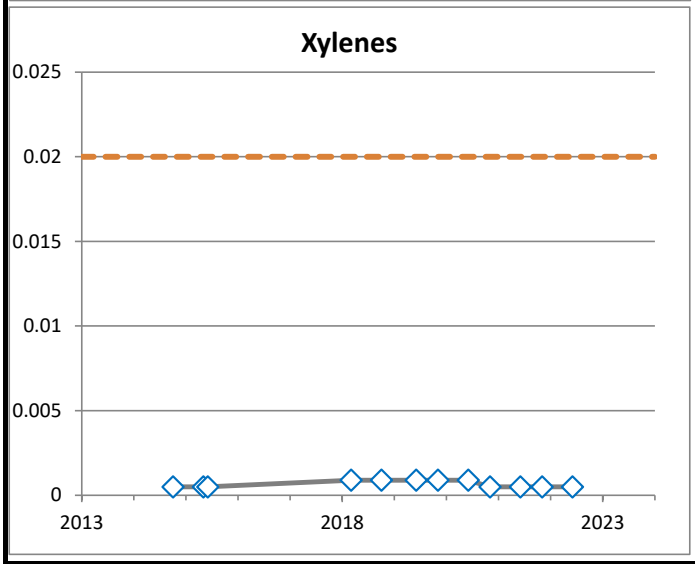
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-20	

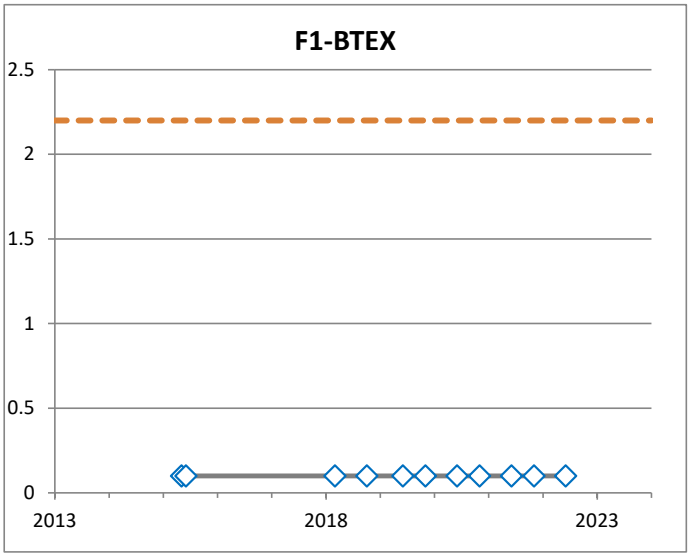












◇ Non-detect value

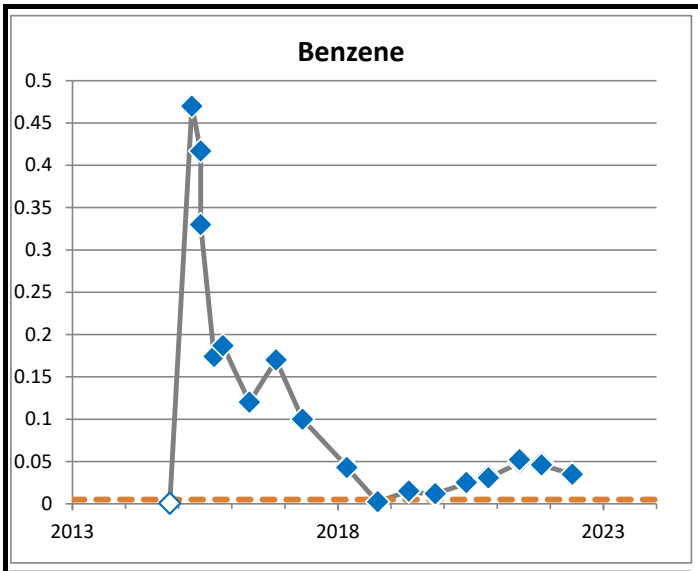
Drinking Water Guideline

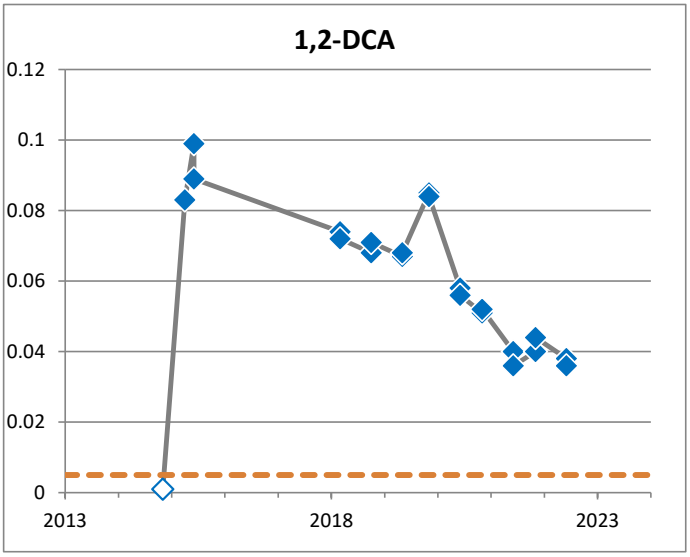
All samples are shown, including duplidates and multiple samples on the same date.

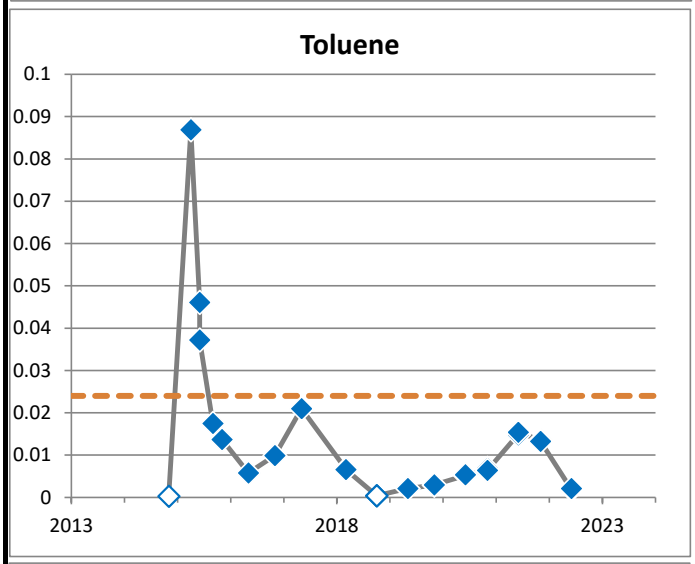
BH1919
(mg/L)

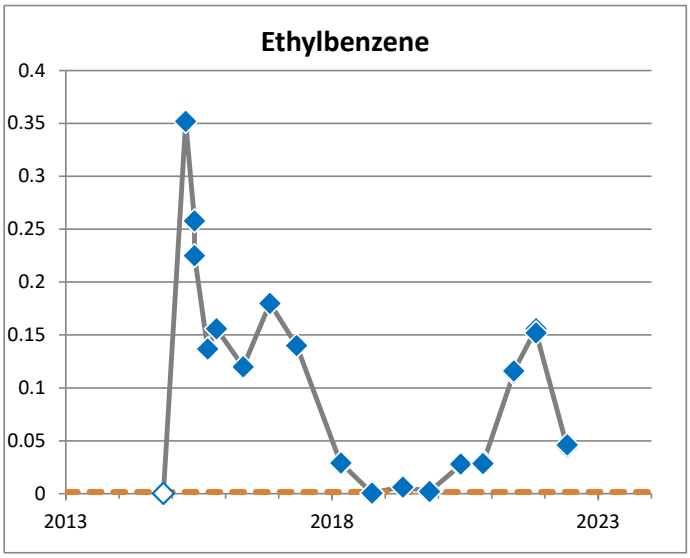
PARSONS

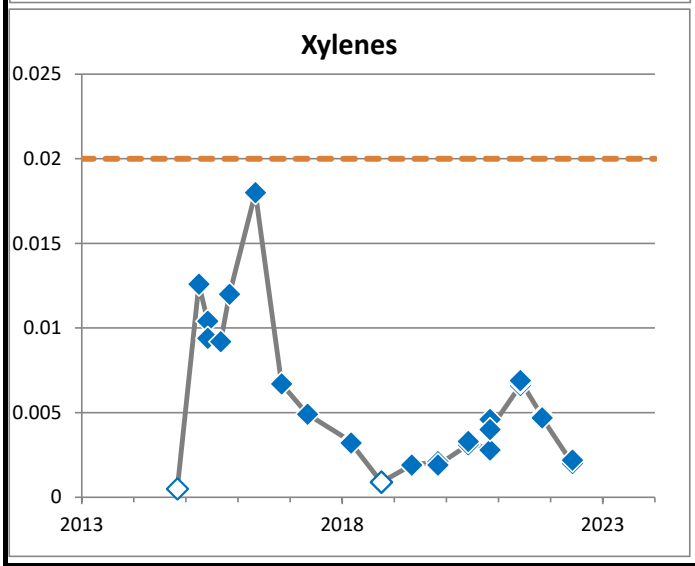
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-21		

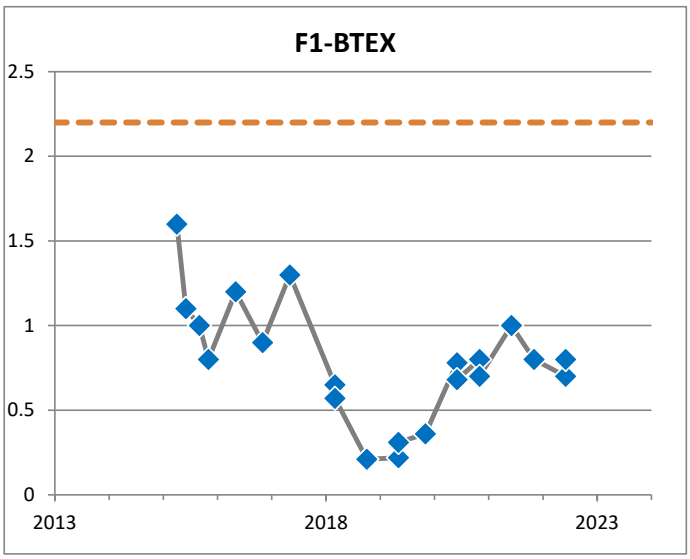












◇ Non-detect value

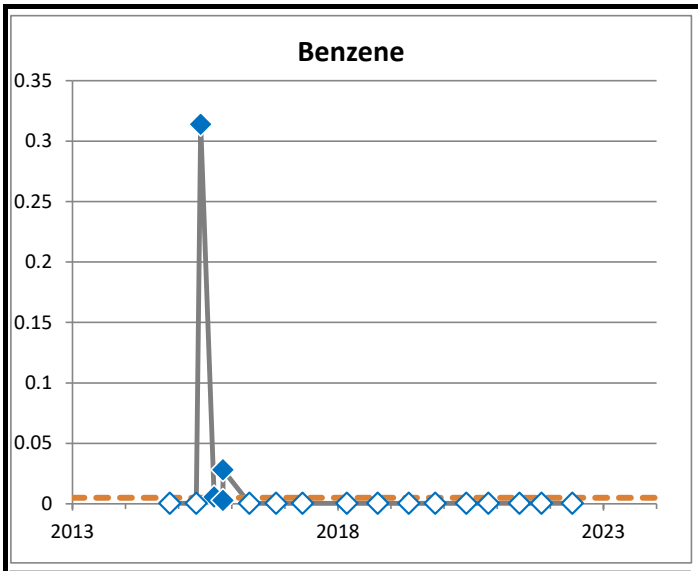
Drinking Water Guideline

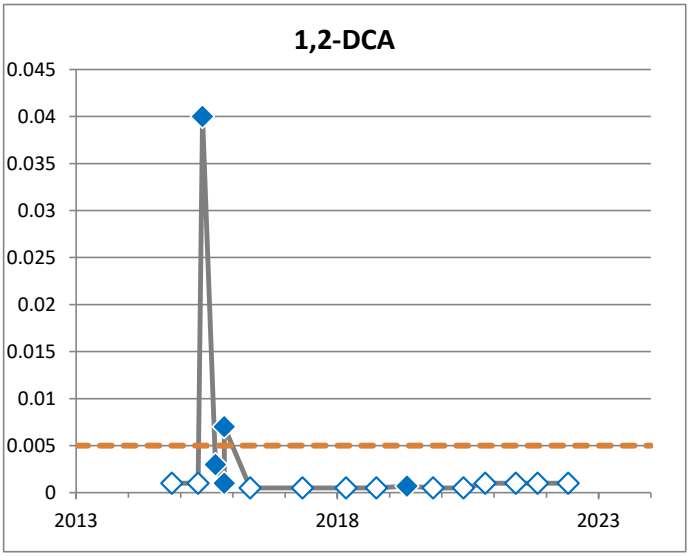
All samples are shown, including duplidates and multiple samples on the same date.

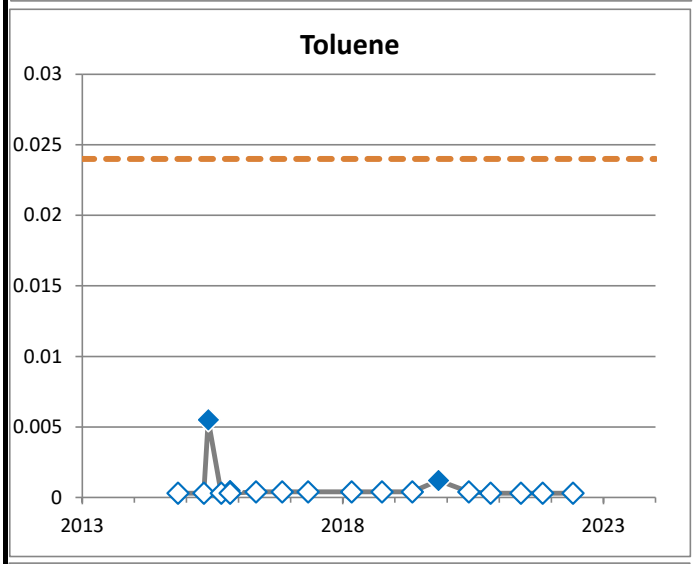
BH1921
(mg/L)

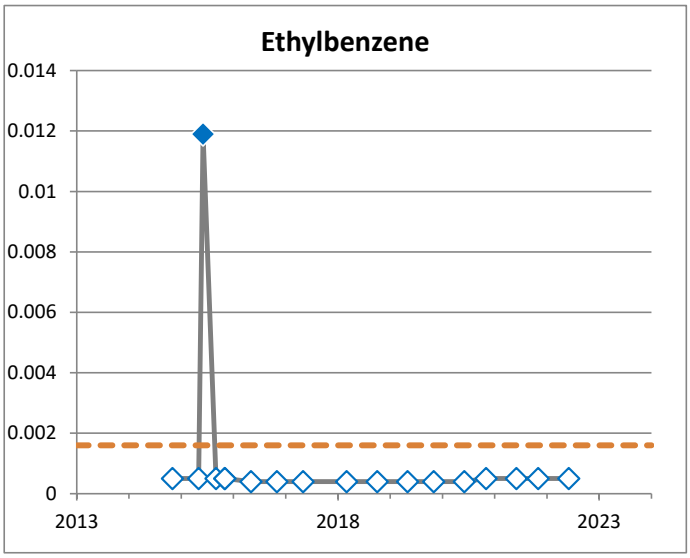
PARSONS

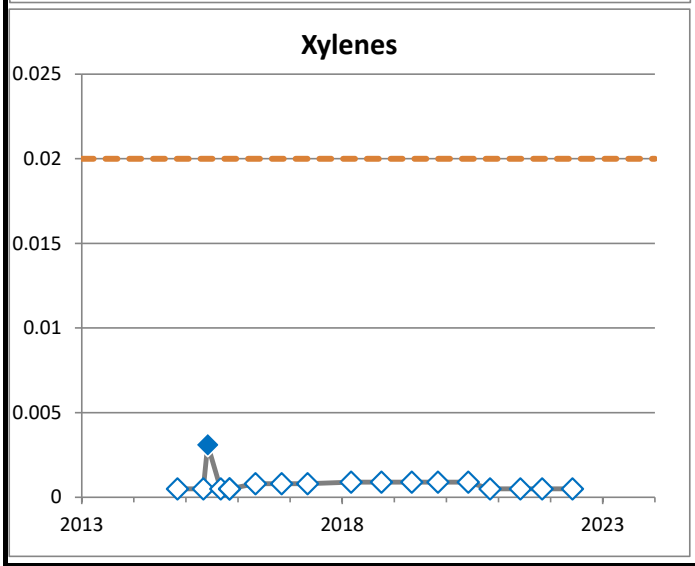
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-22	

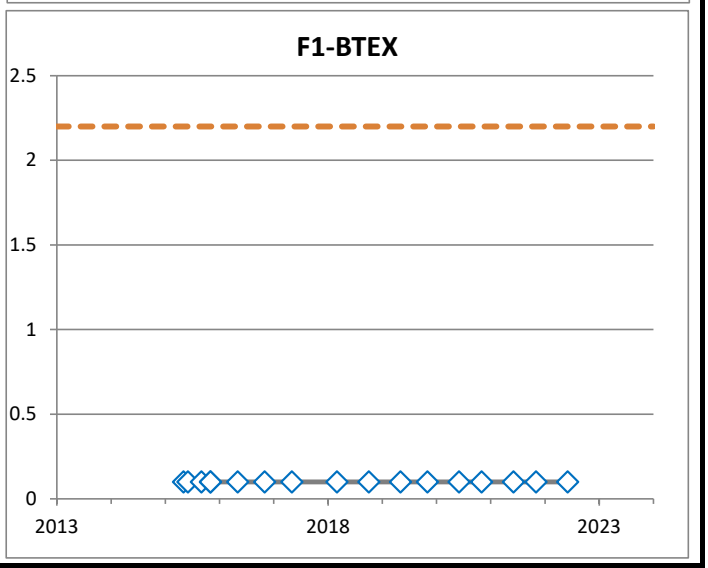












◇ Non-detect value

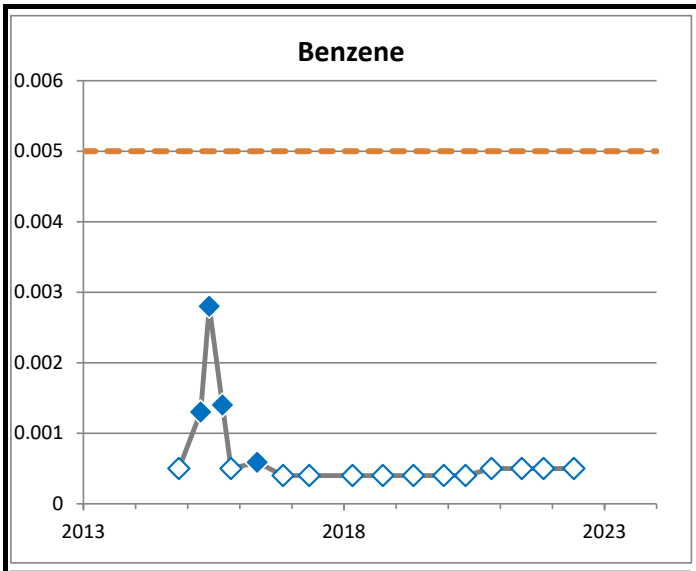
Drinking Water Guideline

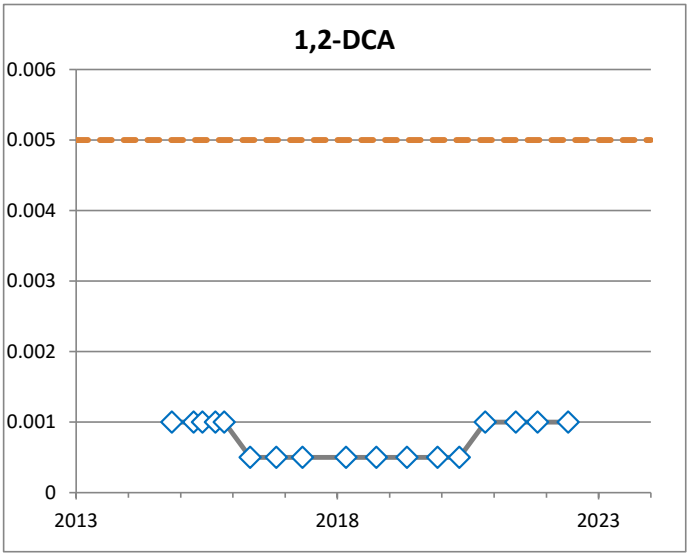
All samples are shown, including duplidates and multiple samples on the same date.

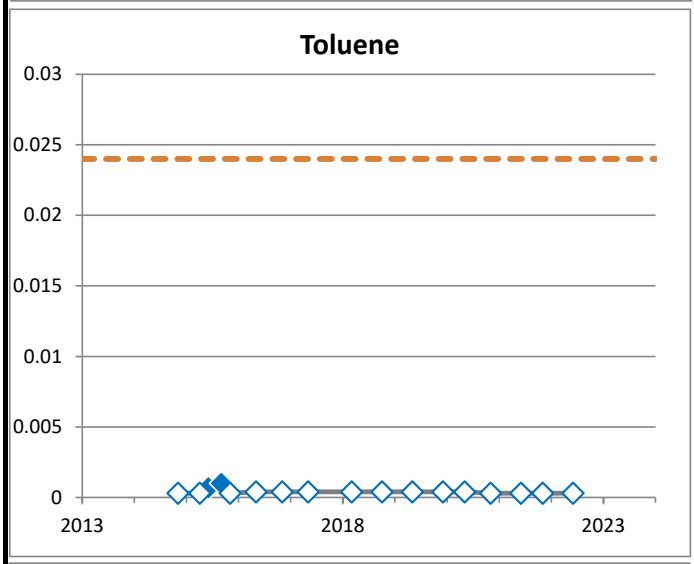
BH1922
(mg/L)

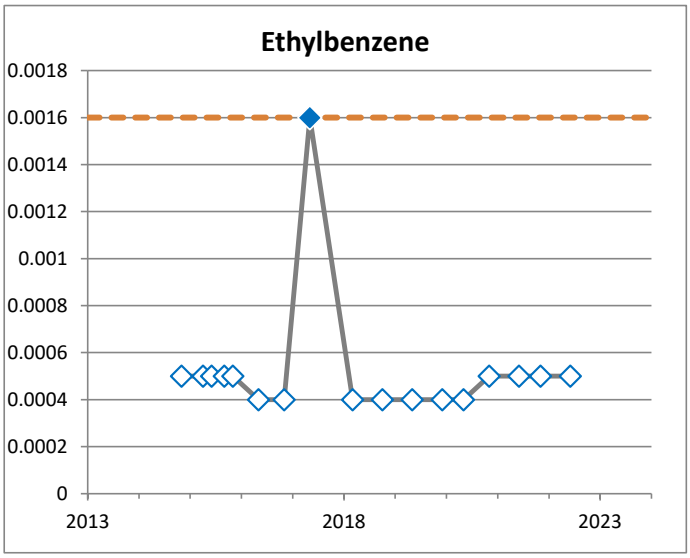
PARSONS

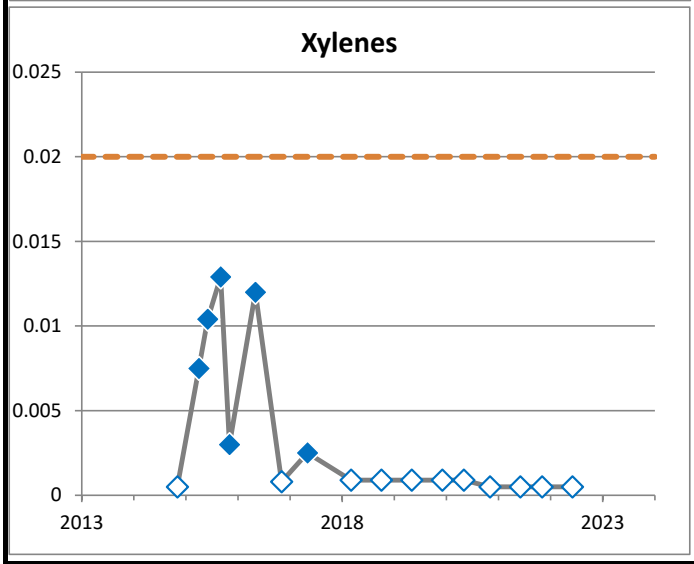
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-23		

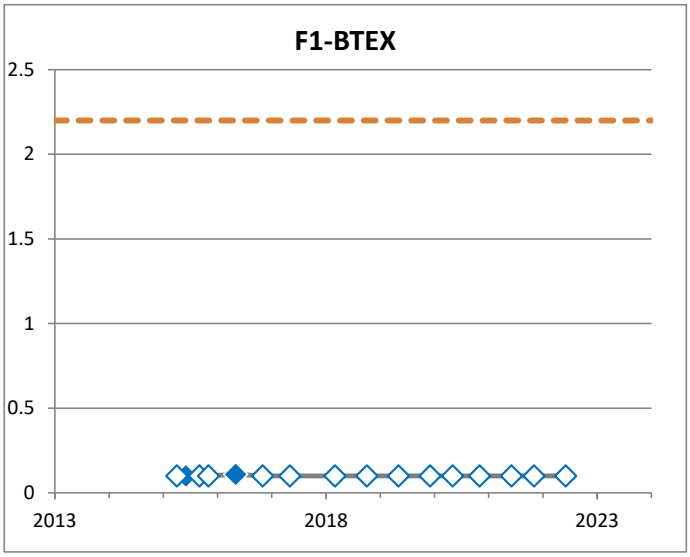












◇ Non-detect value

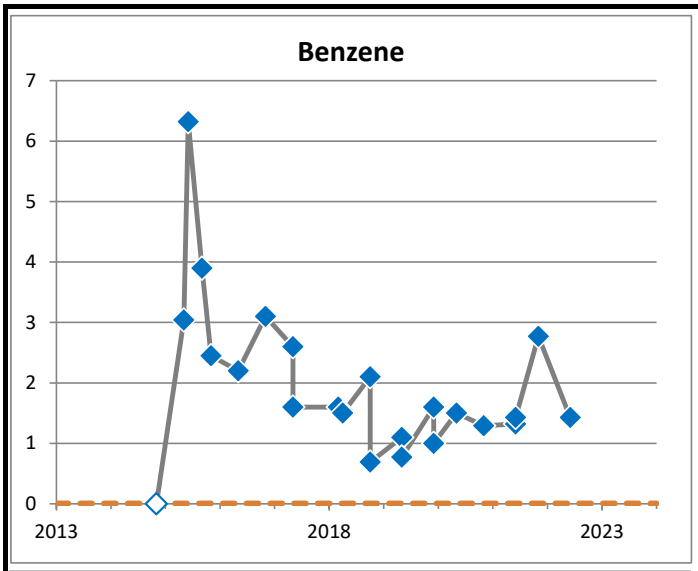
Drinking Water Guideline

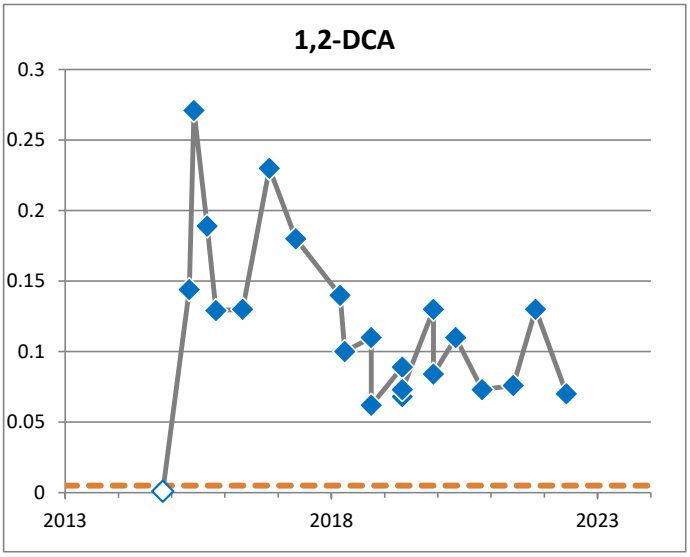
All samples are shown, including duplidates and multiple samples on the same date.

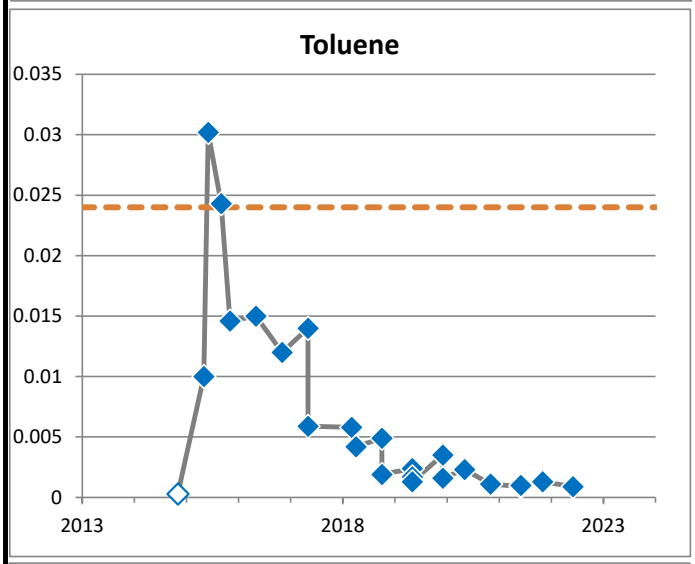
BH1923
(mg/L)

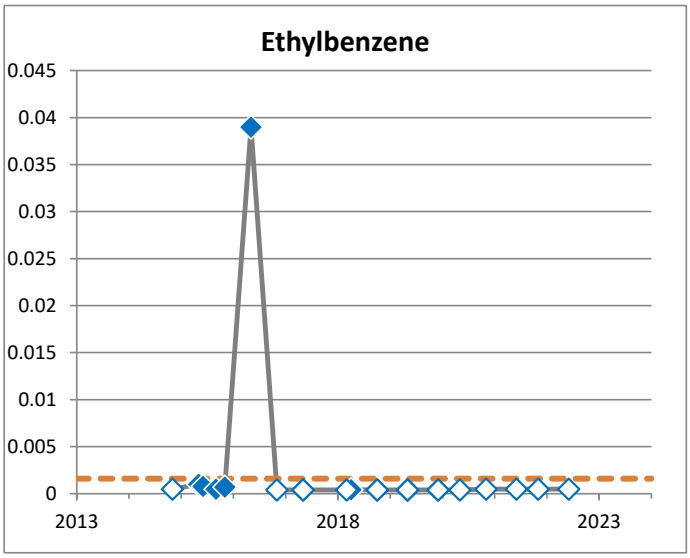
PARSONS

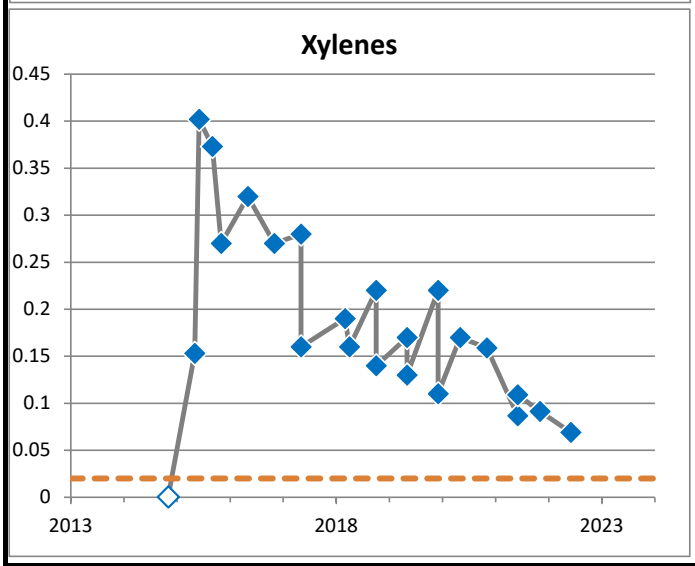
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-24	

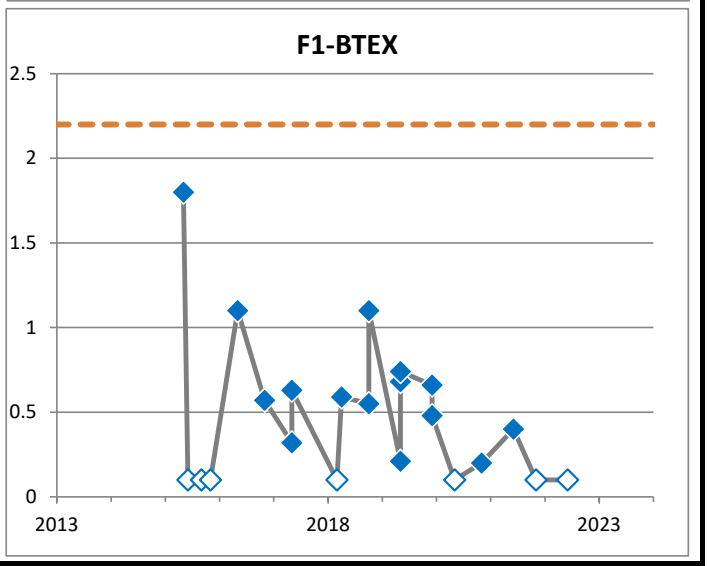












◇ Non-detect value

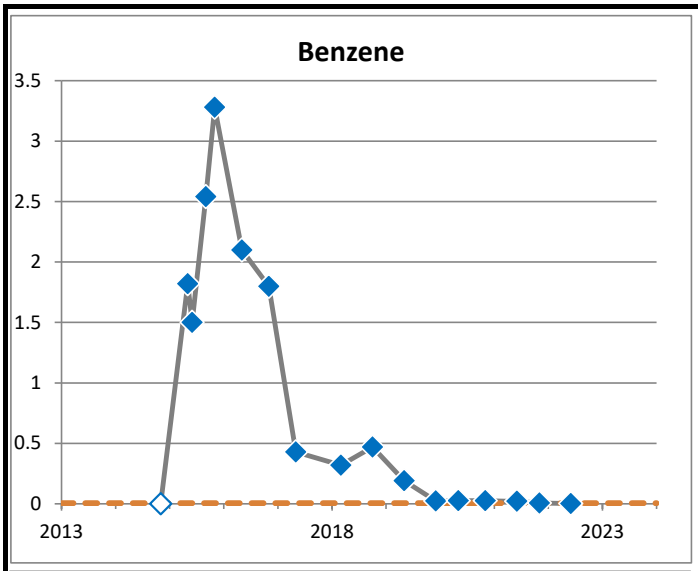
Drinking Water Guideline

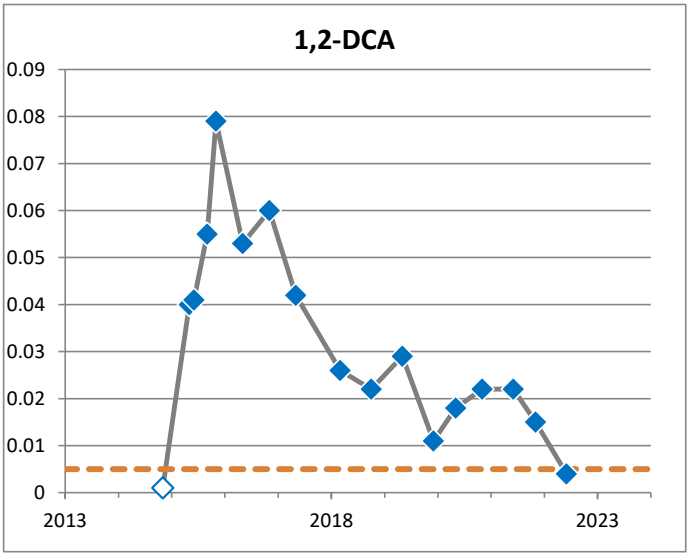
All samples are shown, including duplicates and multiple samples on the same date.

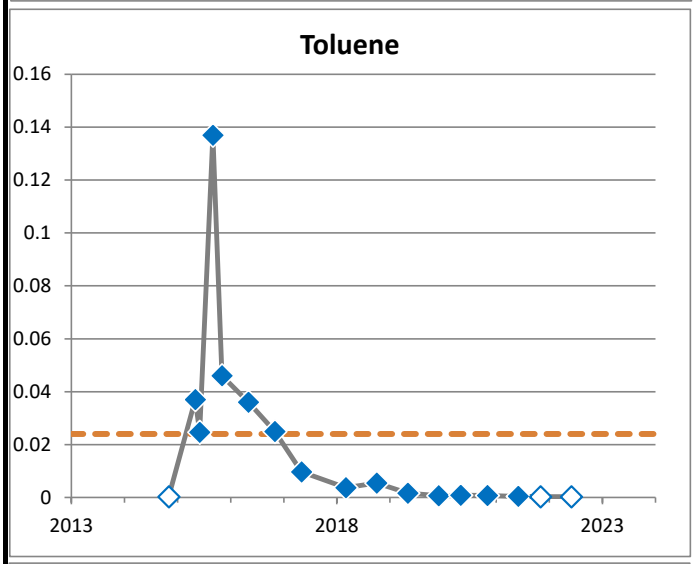
BH1924
(mg/L)

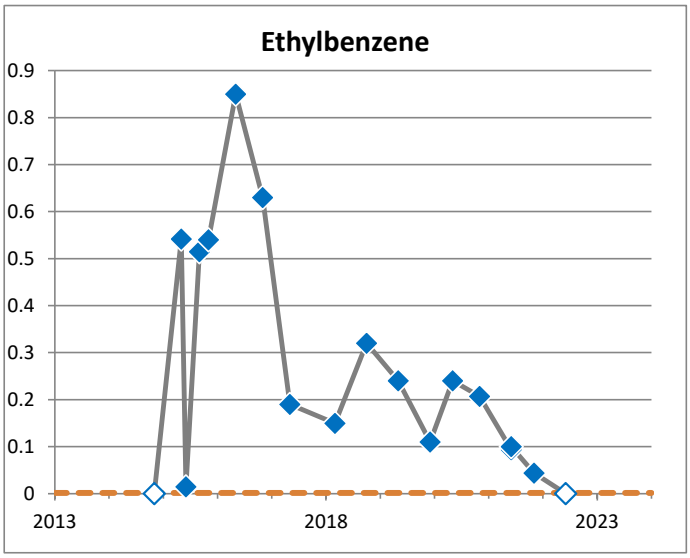
PARSONS

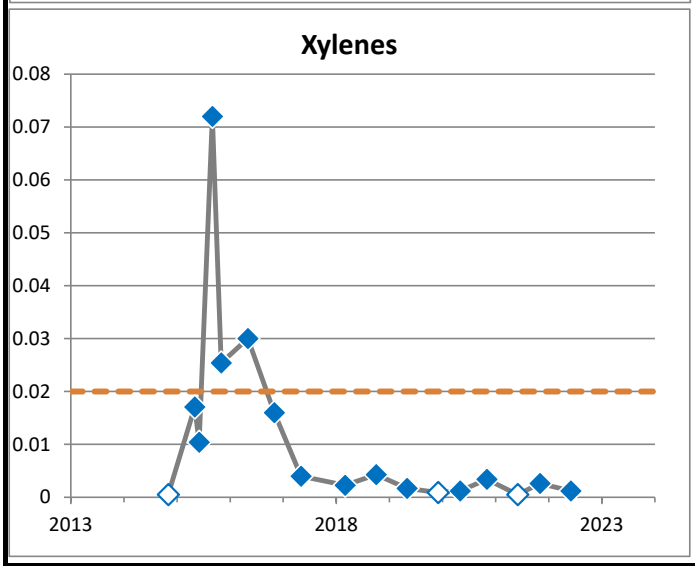
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-25	

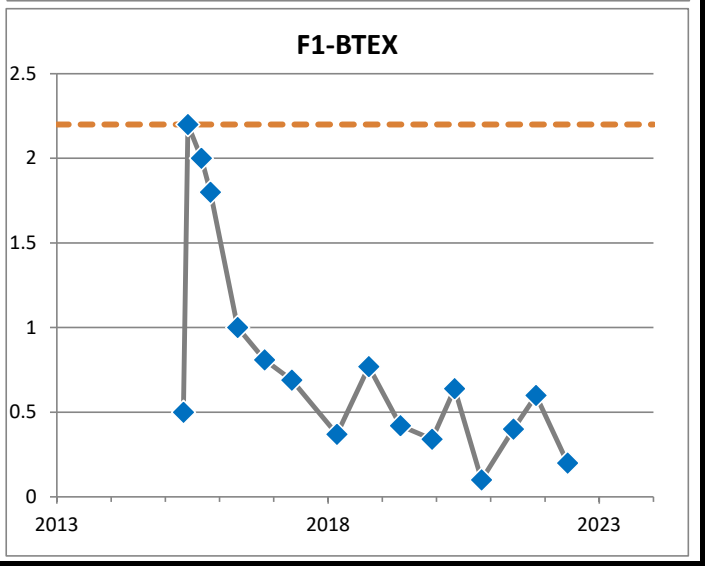












◇ Non-detect value

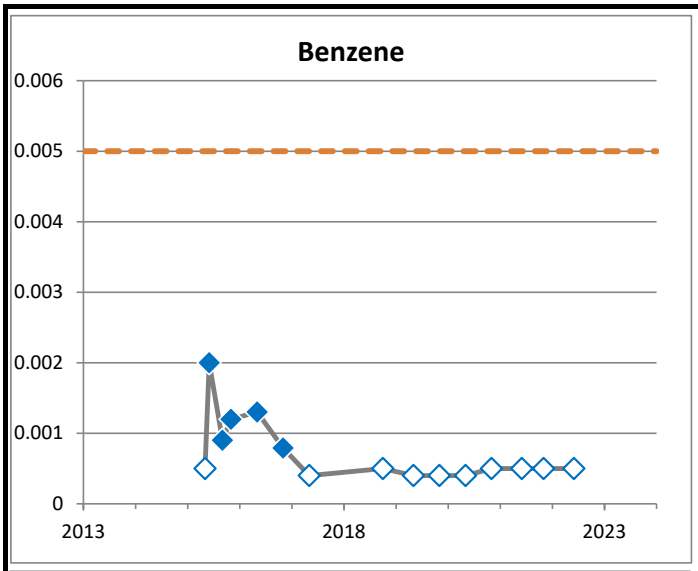
Drinking Water Guideline

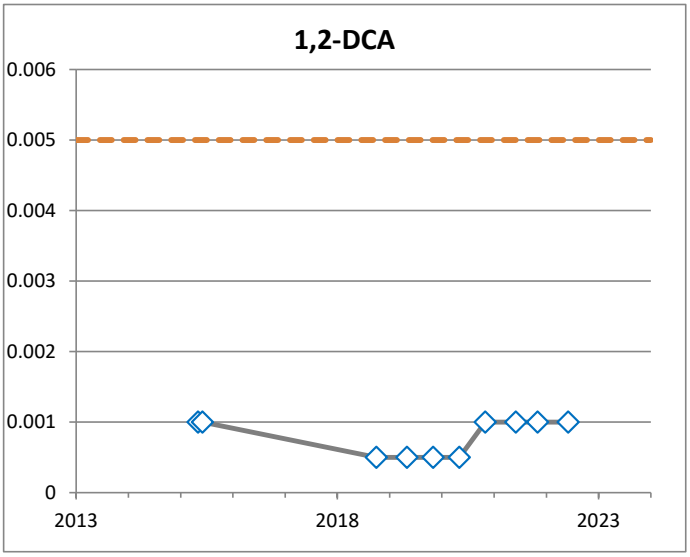
All samples are shown, including duplidates and multiple samples on the same date.

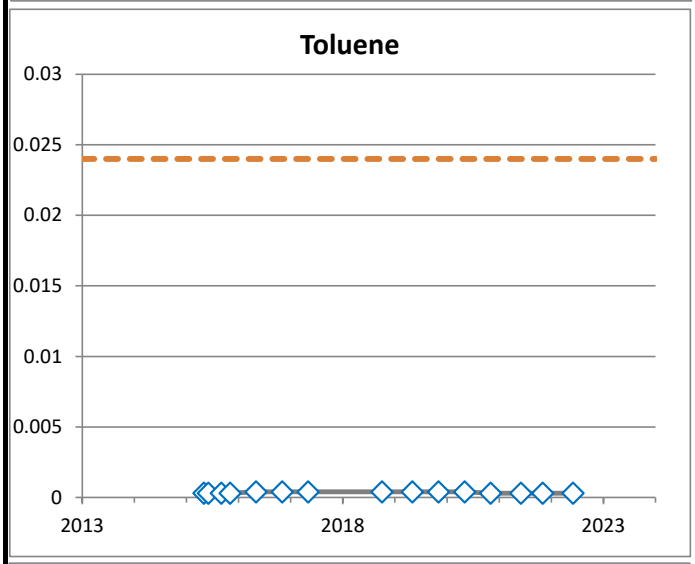
BH1925
(mg/L)

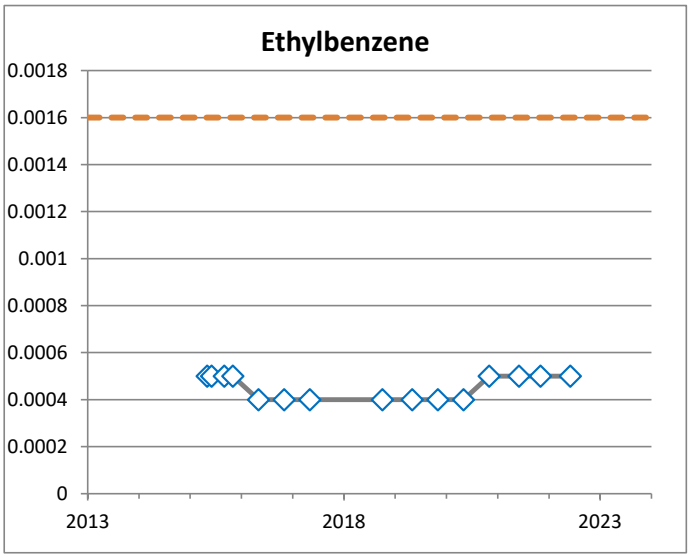
PARSONS

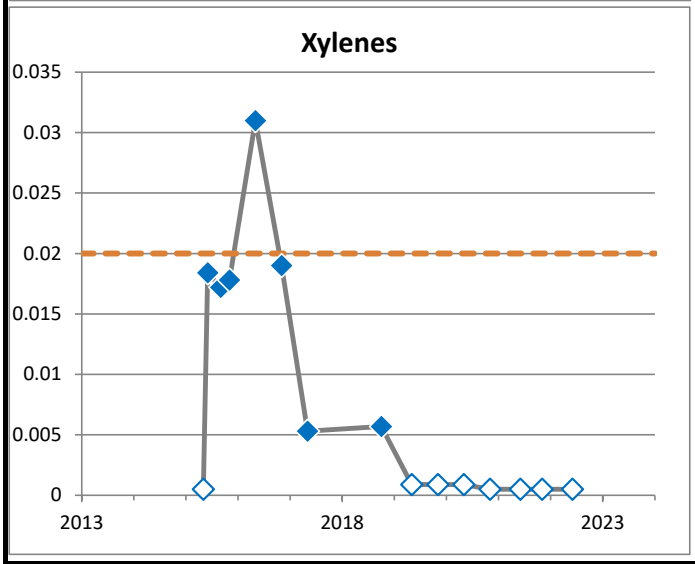
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-26		

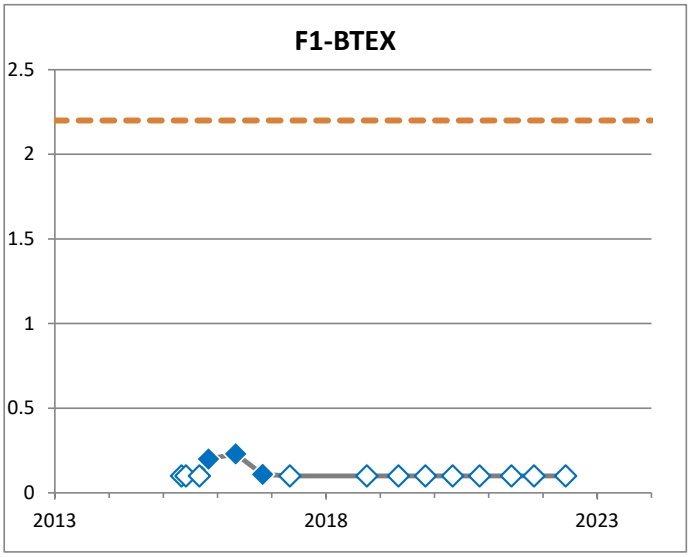












◇ Non-detect value

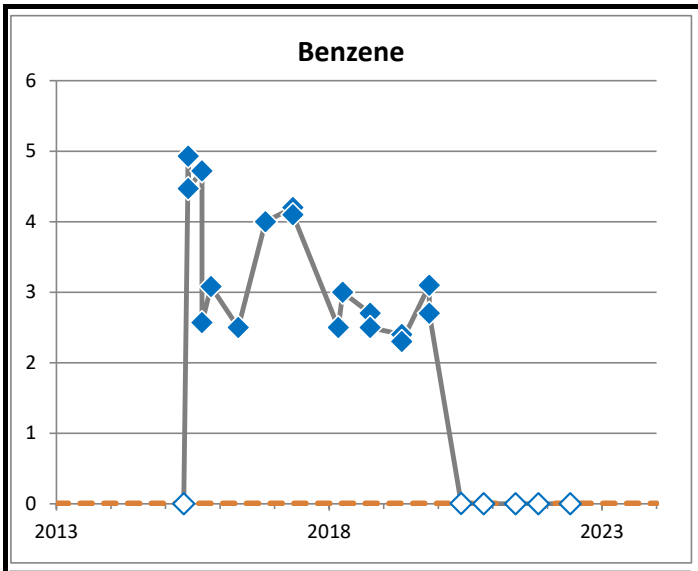
Drinking Water Guideline

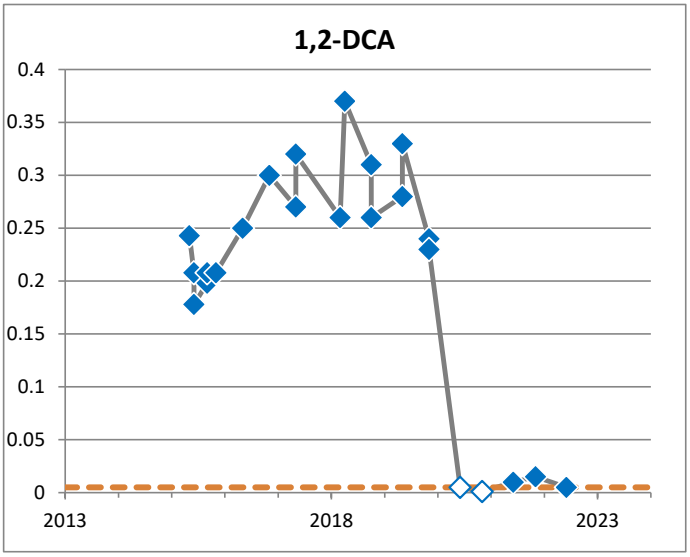
All samples are shown, including duplidates and multiple samples on the same date.

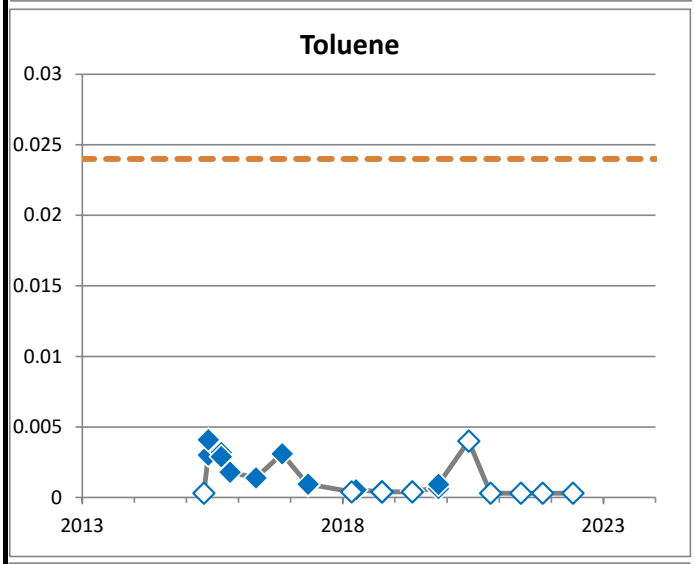
BH1927
(mg/L)

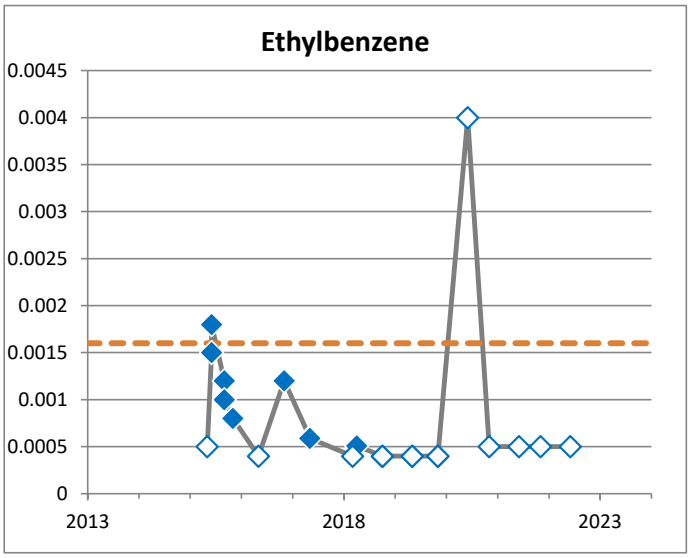
PARSONS

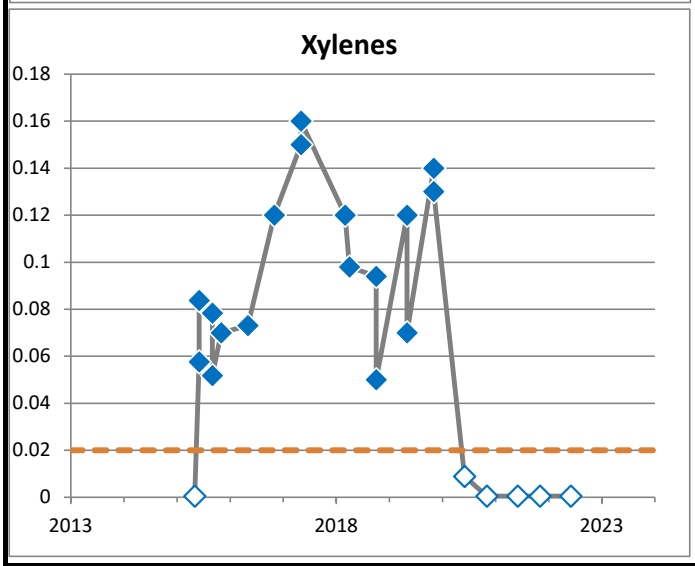
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-27	

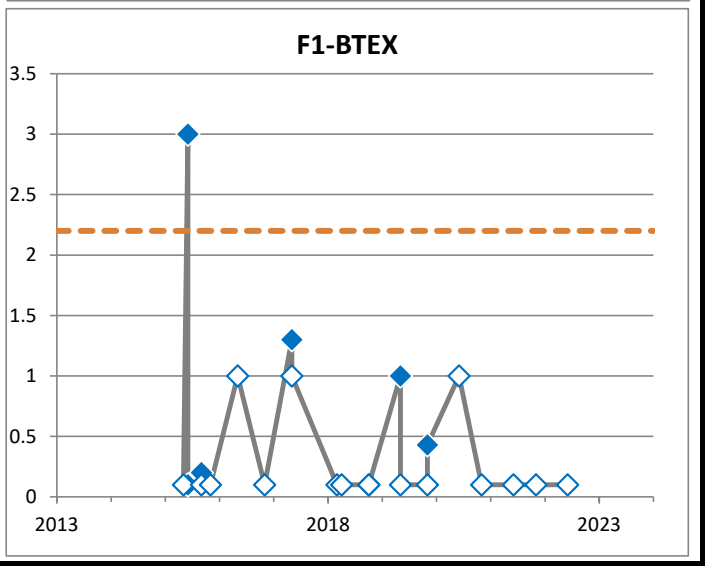












◇ Non-detect value

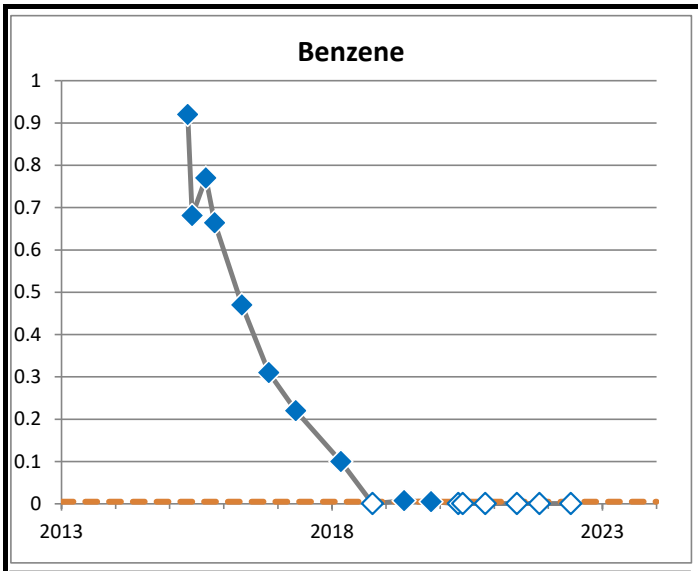
Drinking Water Guideline

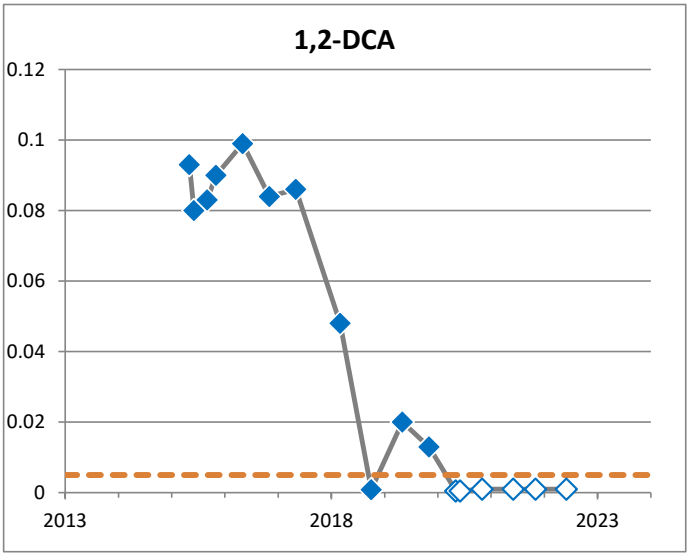
All samples are shown, including duplidates and multiple samples on the same date.

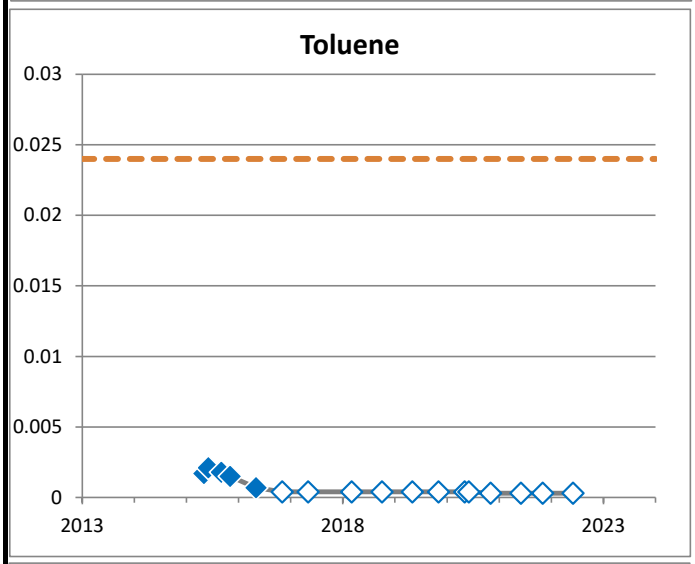
BH1928
(mg/L)

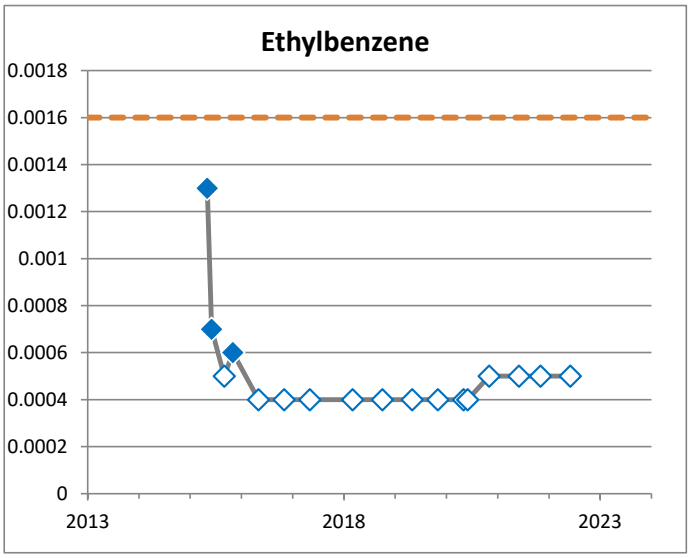
PARSONS

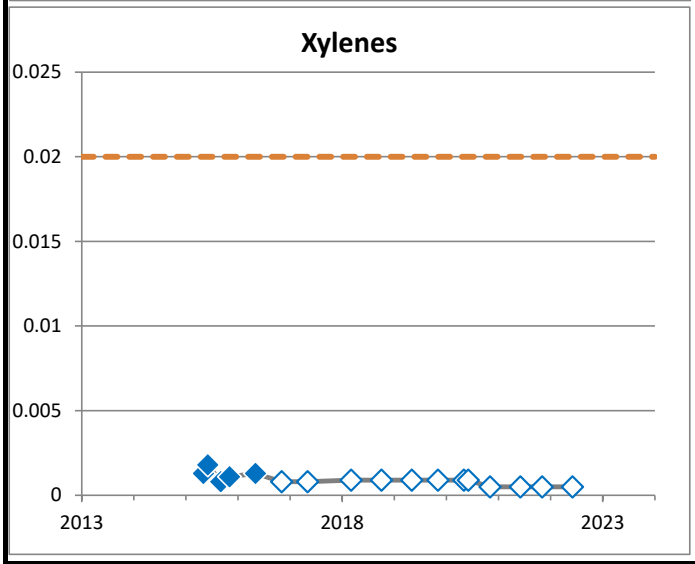
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-28	

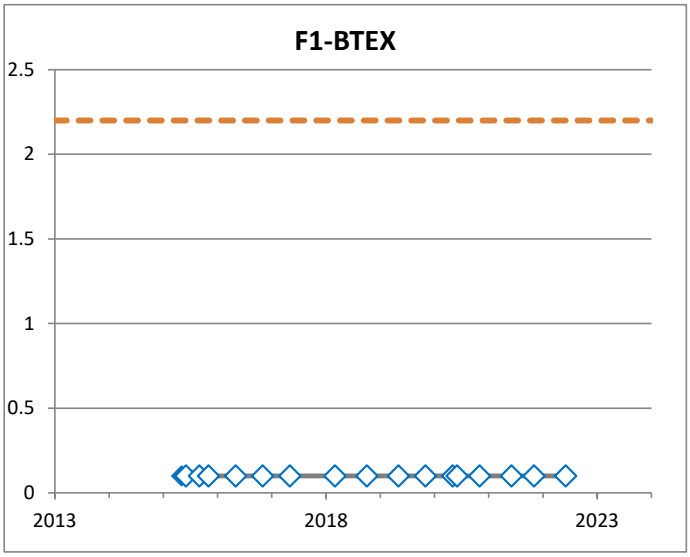












◇ Non-detect value

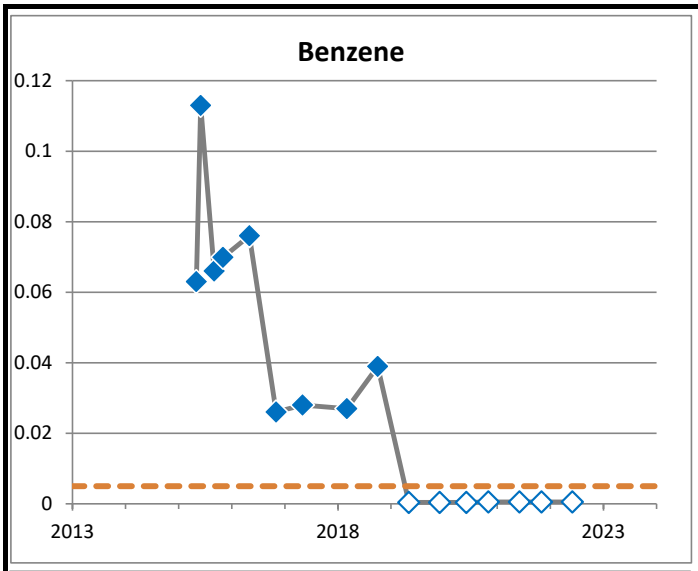
Drinking Water Guideline

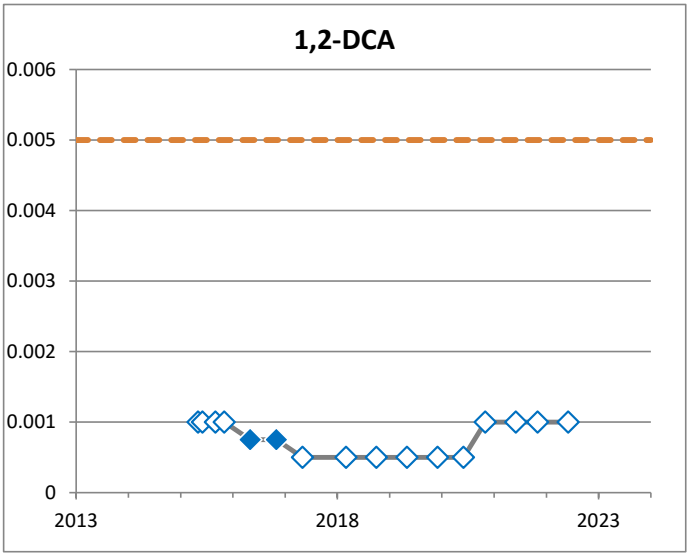
All samples are shown, including duplidates and multiple samples on the same date.

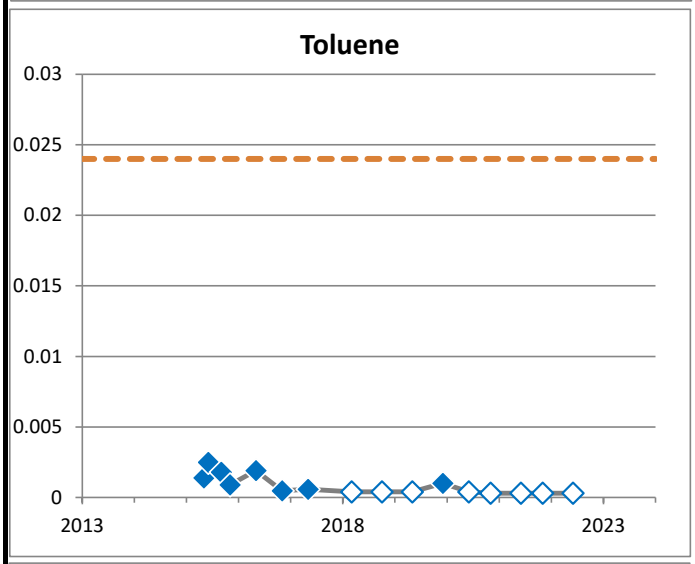
BH1929
(mg/L)

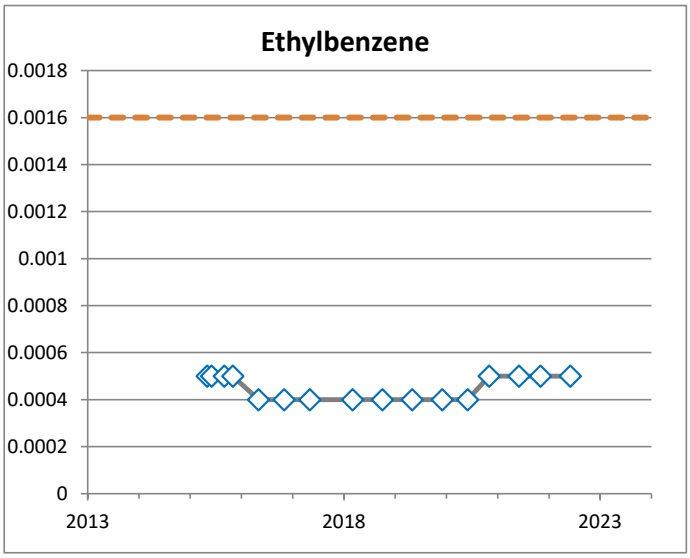
PARSONS

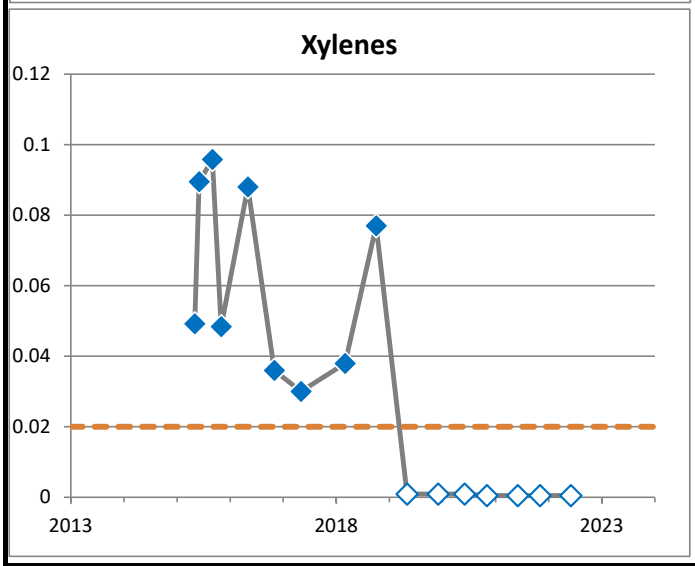
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-29	

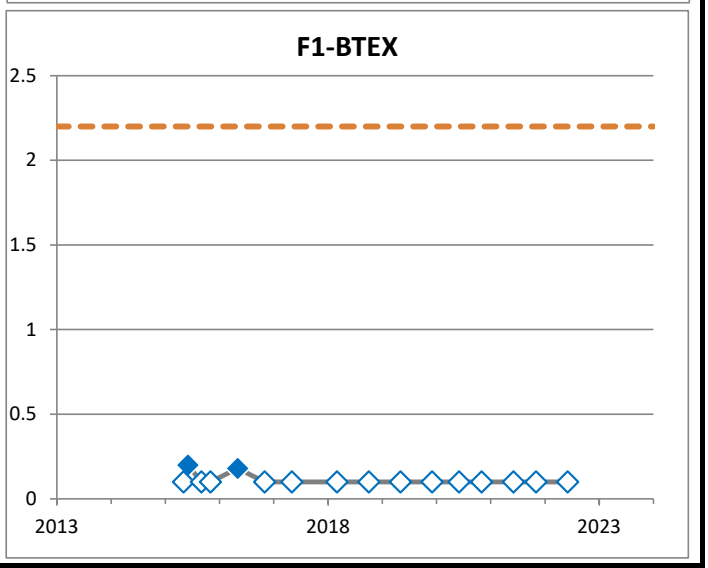












◇ Non-detect value

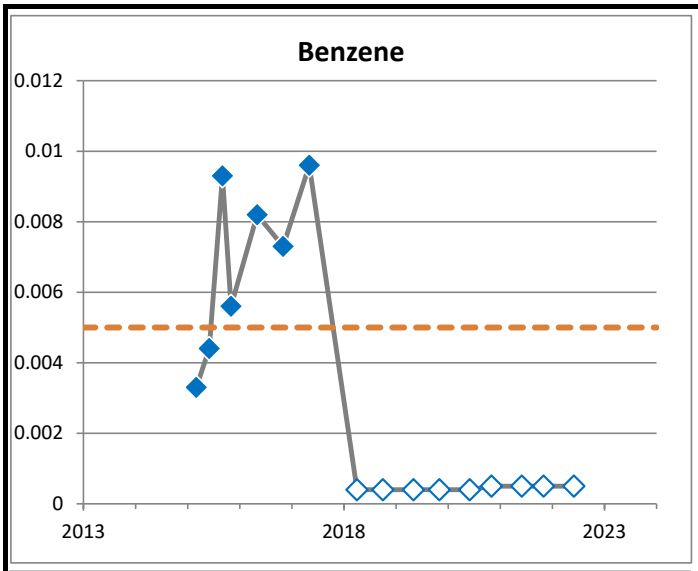
Drinking Water Guideline

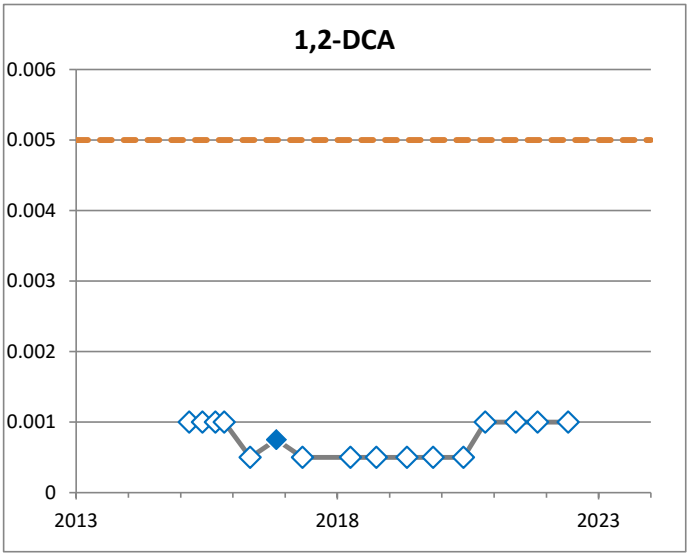
All samples are shown, including duplidates and multiple samples on the same date.

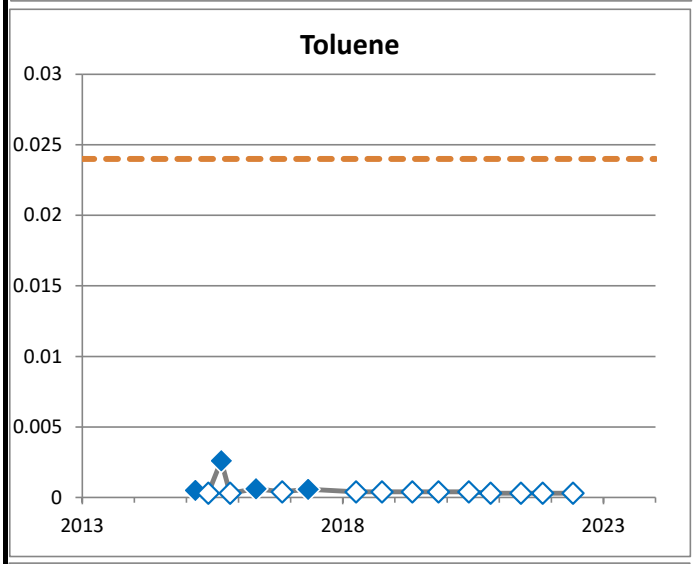
BH1930
(mg/L)

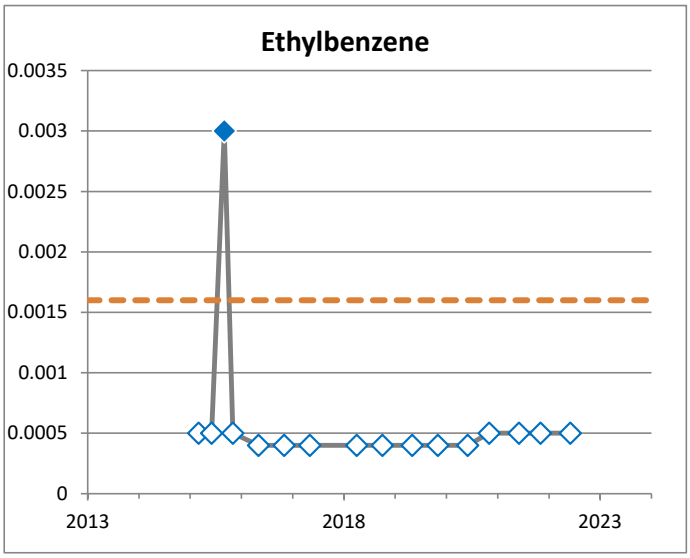
PARSONS

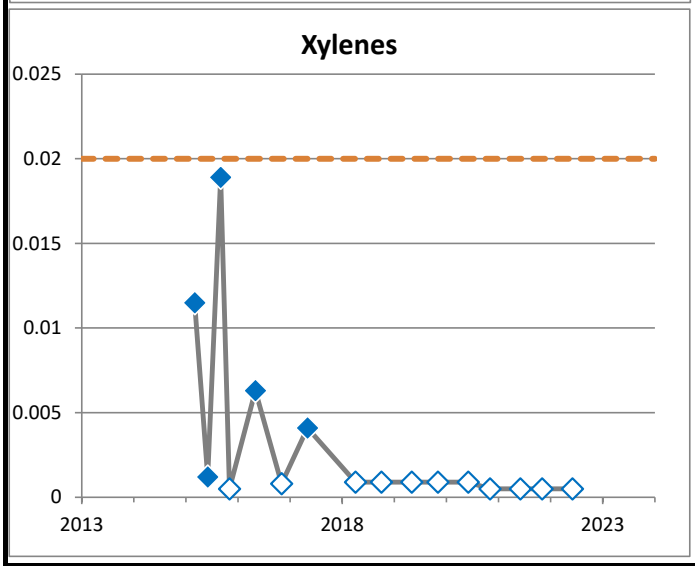
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-30		

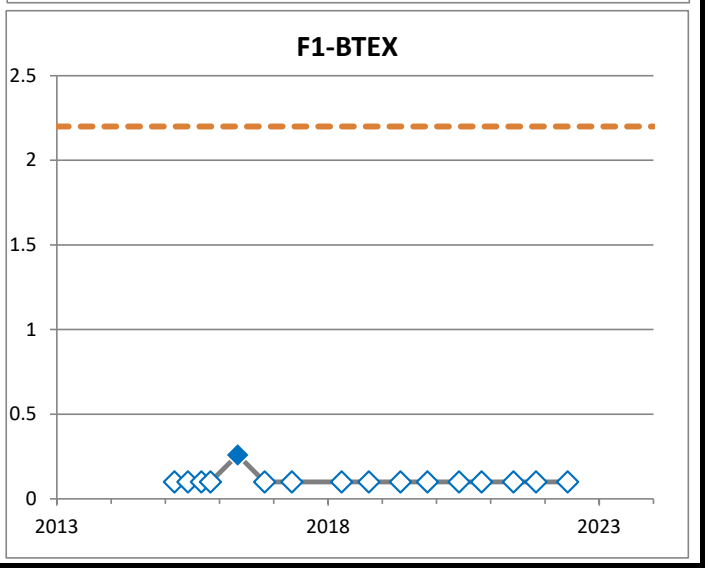












◇ Non-detect value

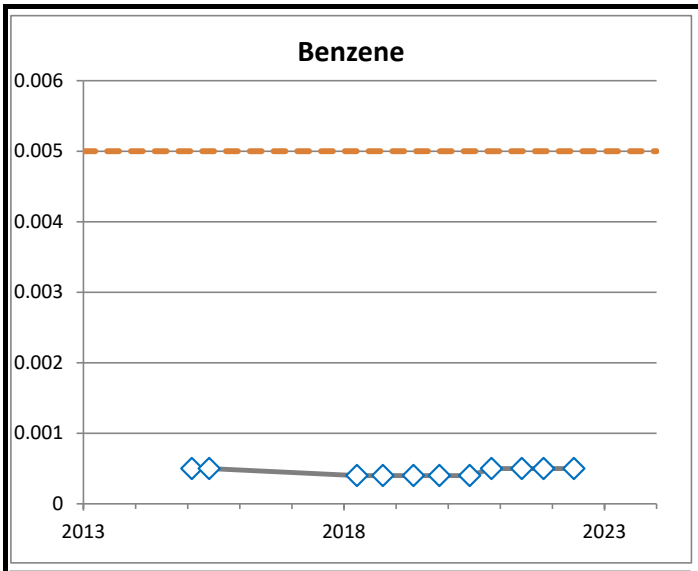
Drinking Water Guideline

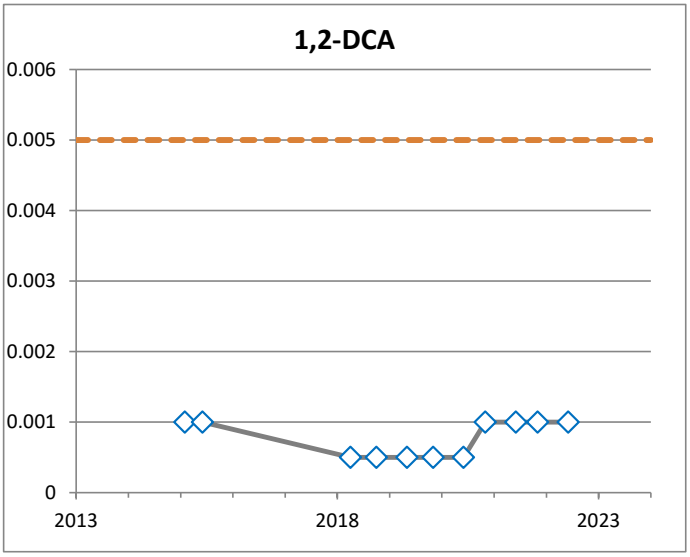
All samples are shown, including duplidates and multiple samples on the same date.

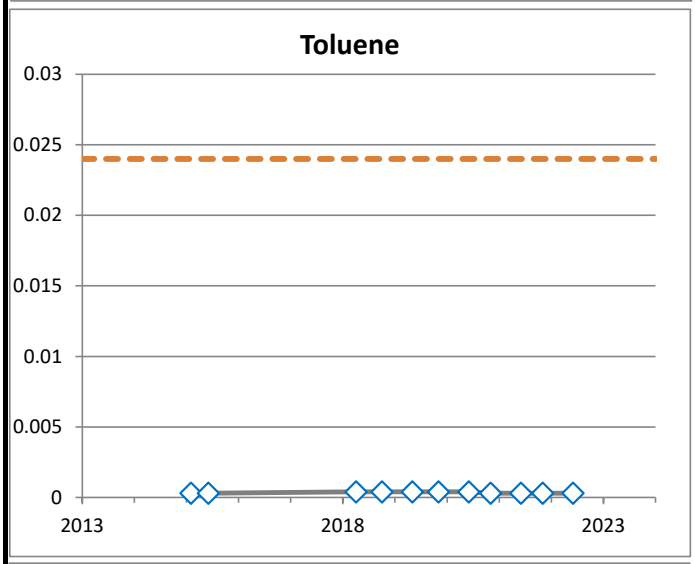
BH1933
(mg/L)

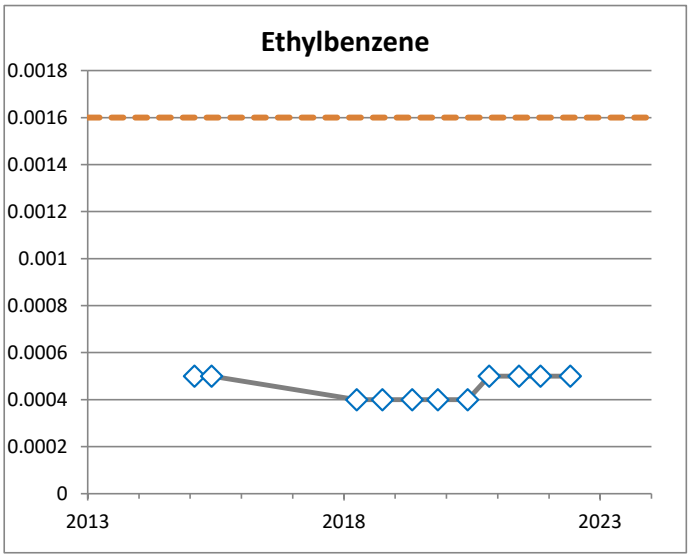
PARSONS

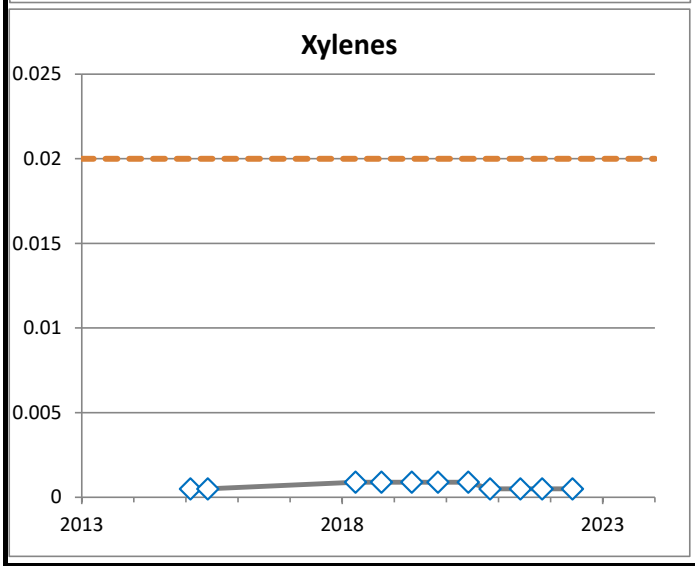
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-31	

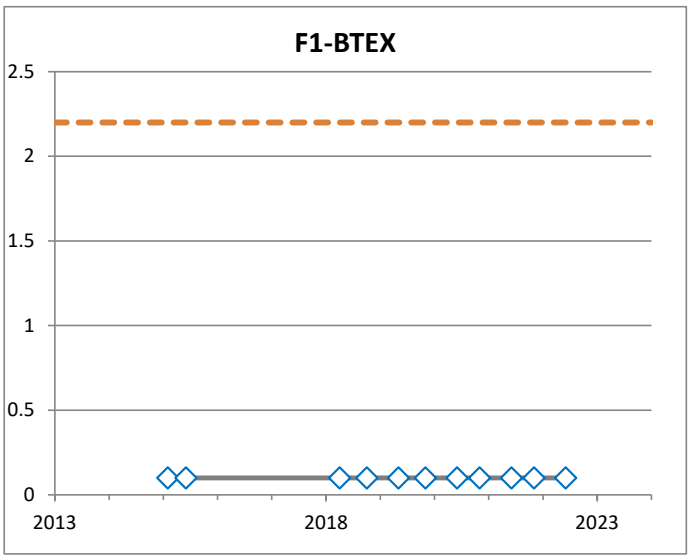












◇ Non-detect value

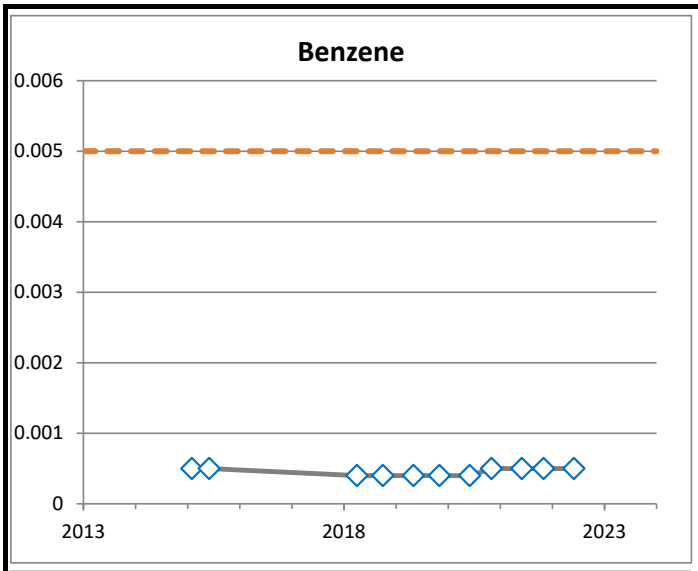
Drinking Water Guideline

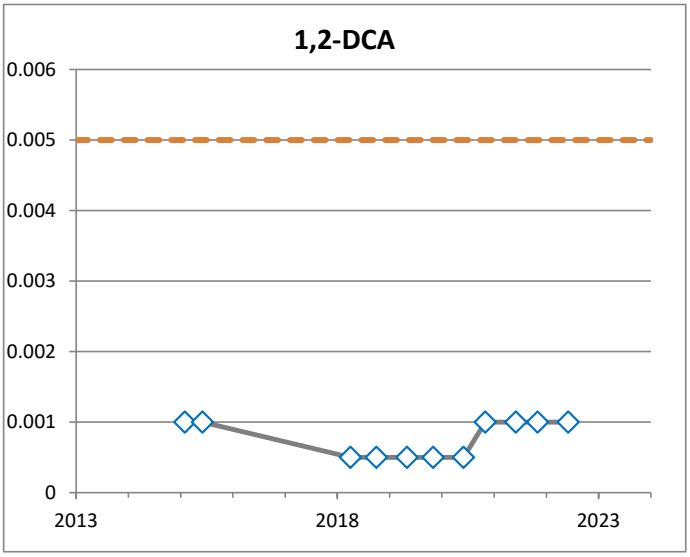
All samples are shown, including duplidates and multiple samples on the same date.

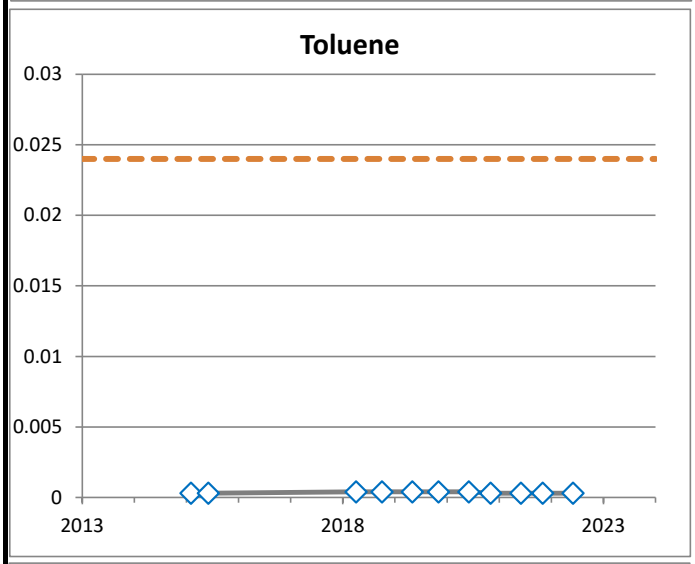
BH1934
(mg/L)

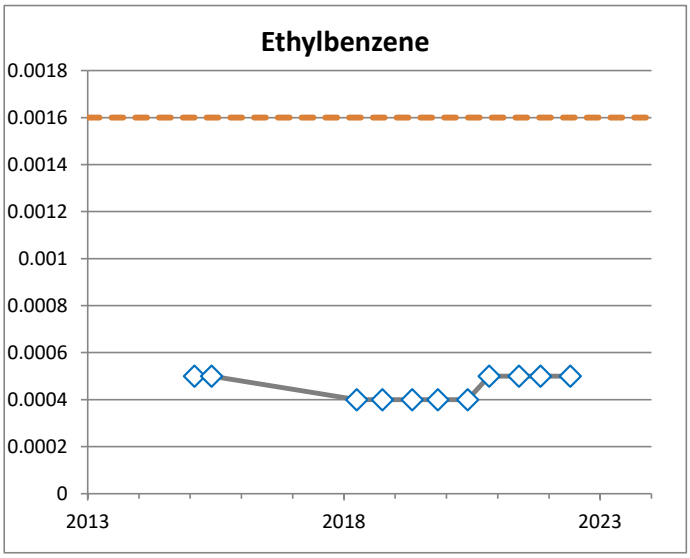
PARSONS

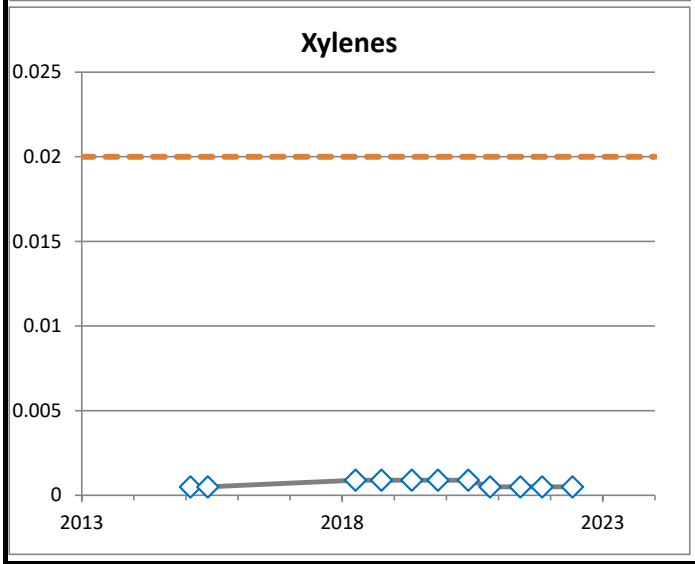
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-32		

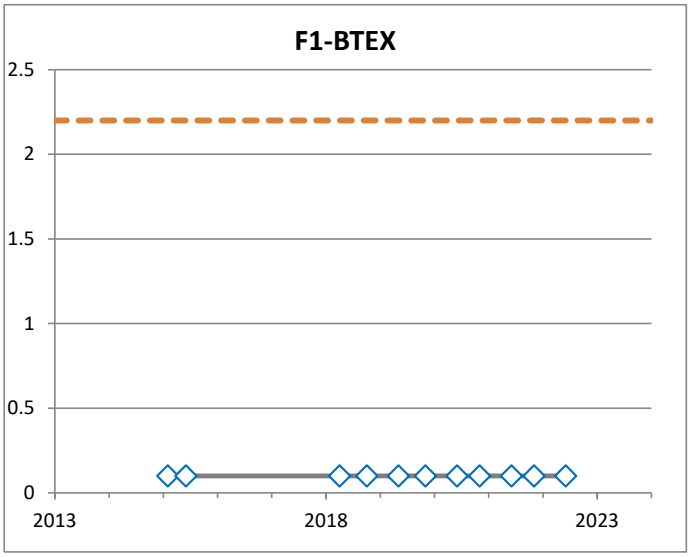












◇ Non-detect value

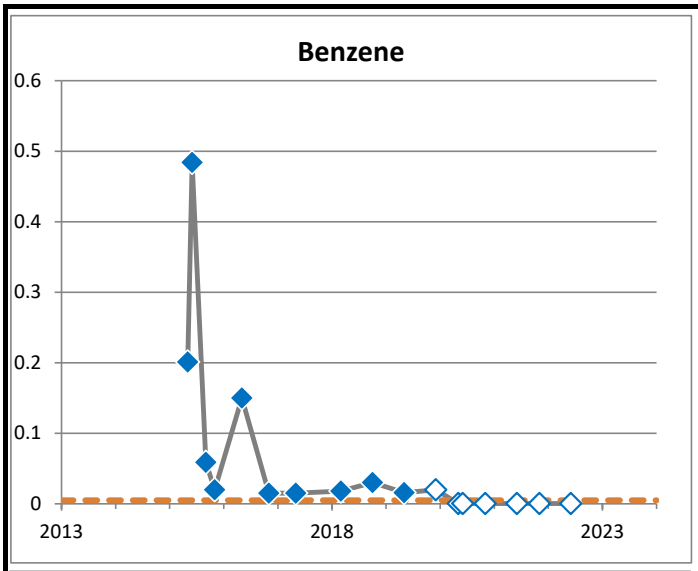
Drinking Water Guideline

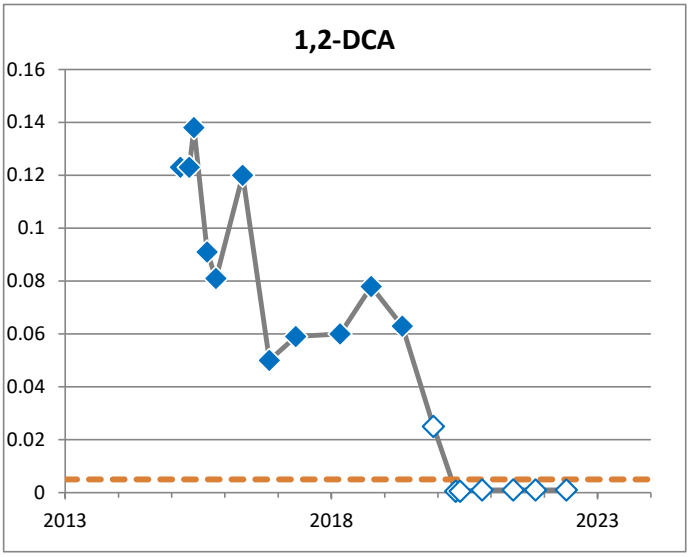
All samples are shown, including duplidates and multiple samples on the same date.

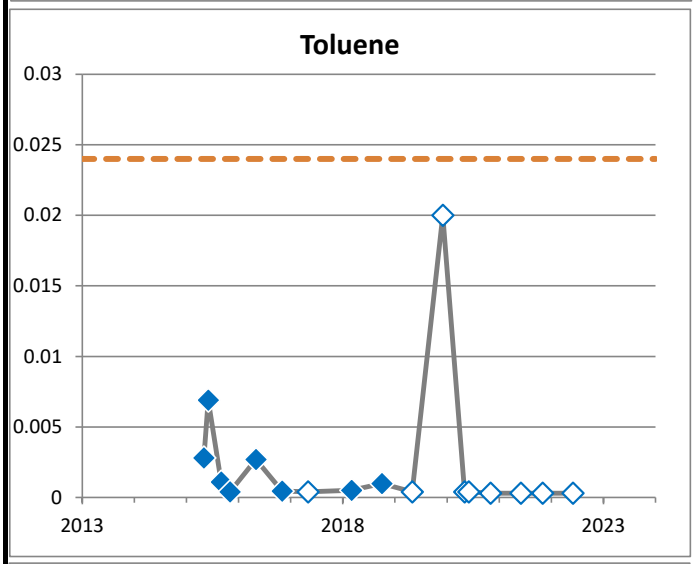
BH1935
(mg/L)

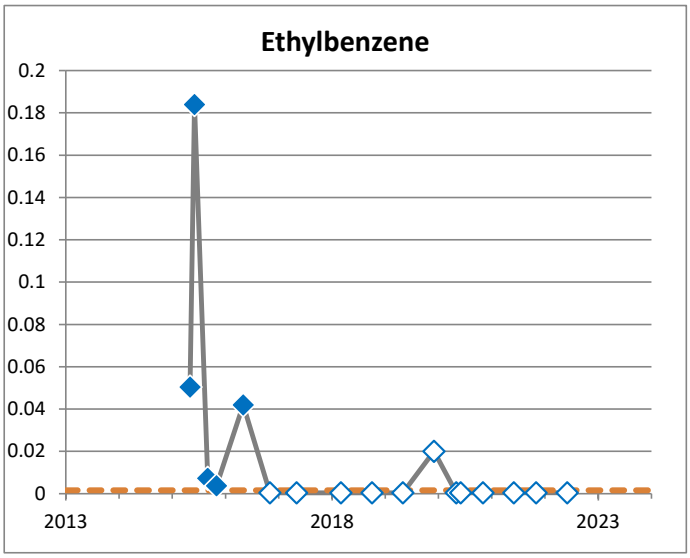
PARSONS

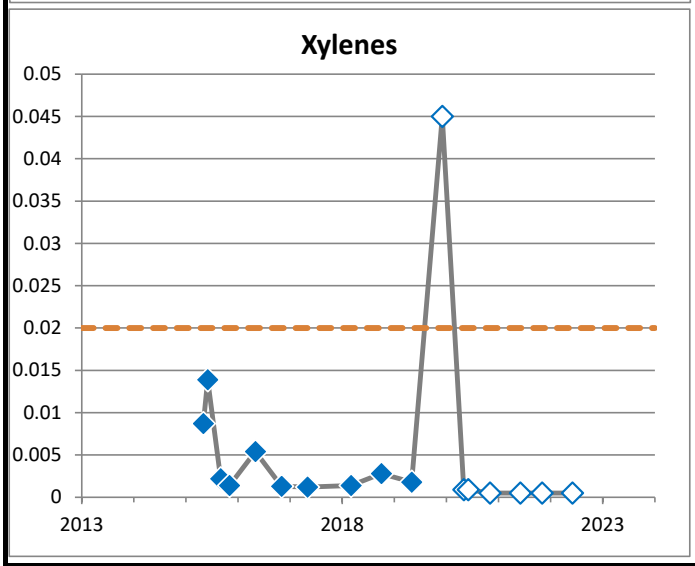
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-33		

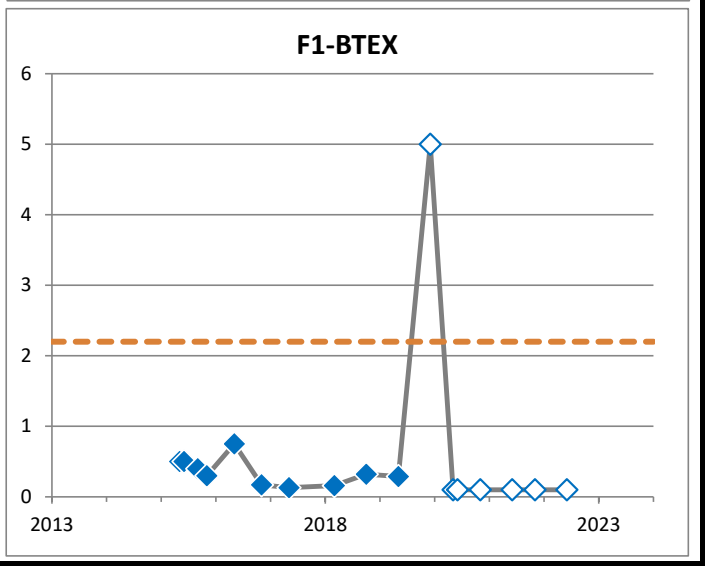












◇ Non-detect value

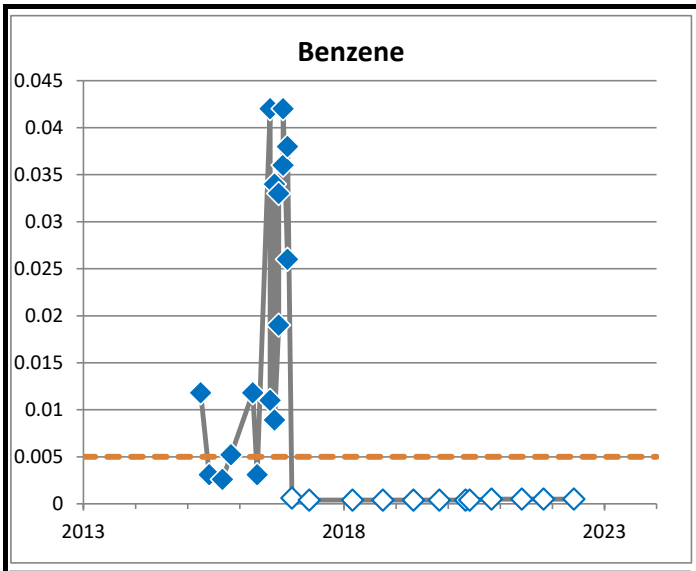
Drinking Water Guideline

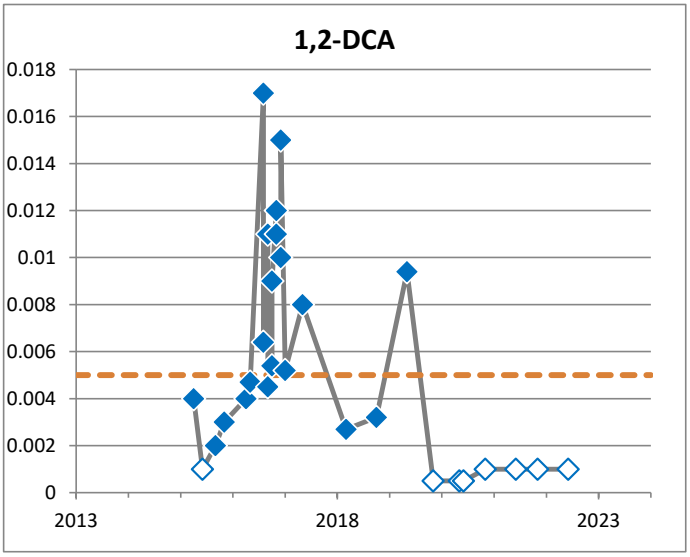
All samples are shown, including duplidates and multiple samples on the same date.

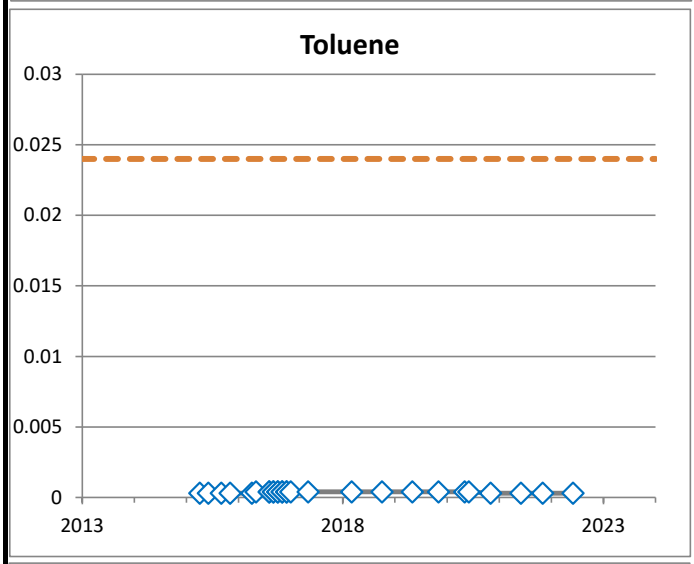
BH1936
(mg/L)

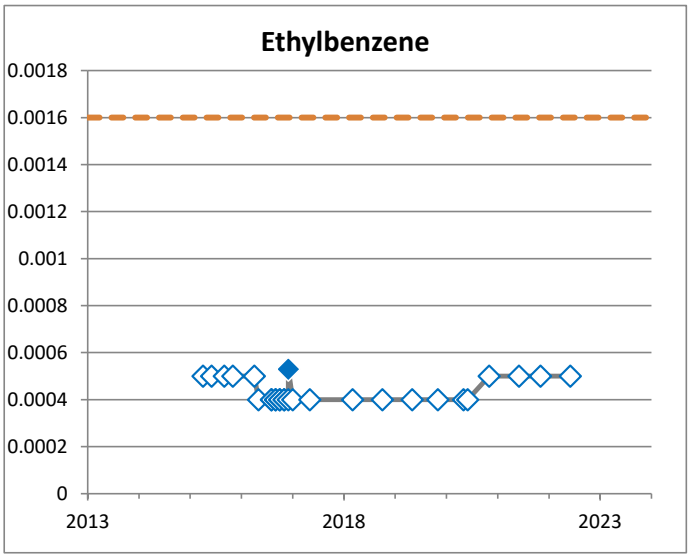
PARSONS

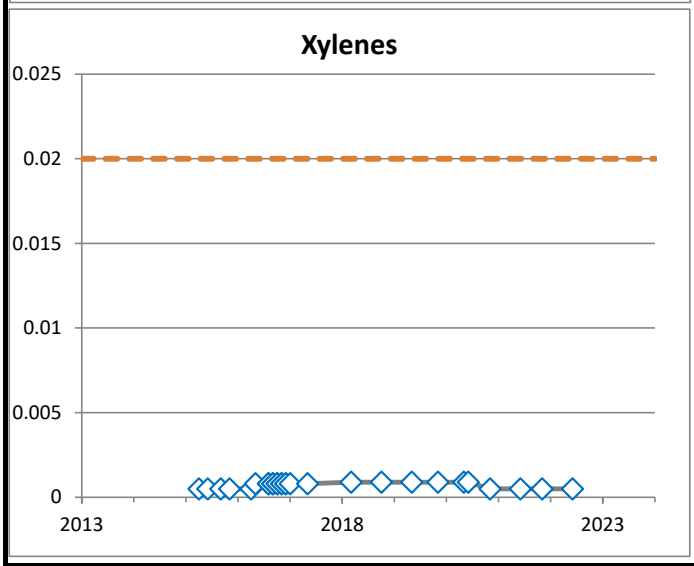
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-34		

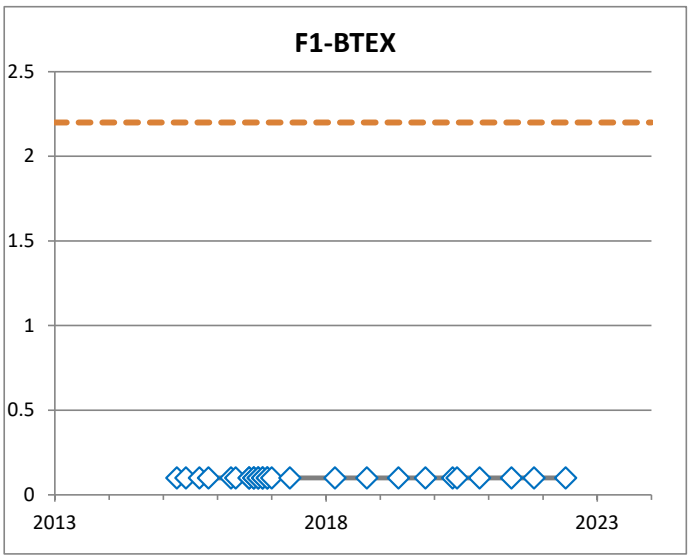












◇ Non-detect value

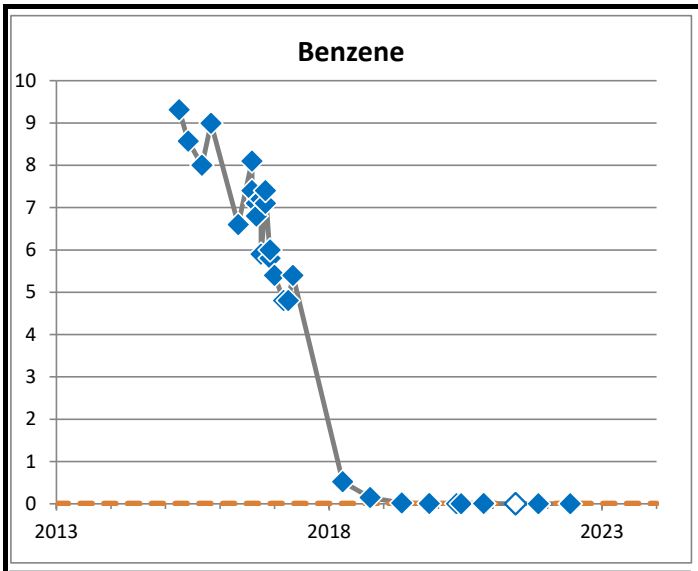
Drinking Water Guideline

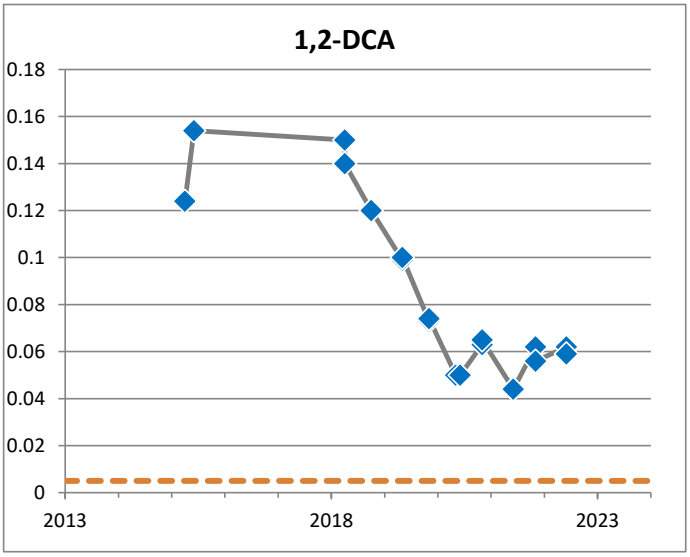
All samples are shown, including duplidates and multiple samples on the same date.

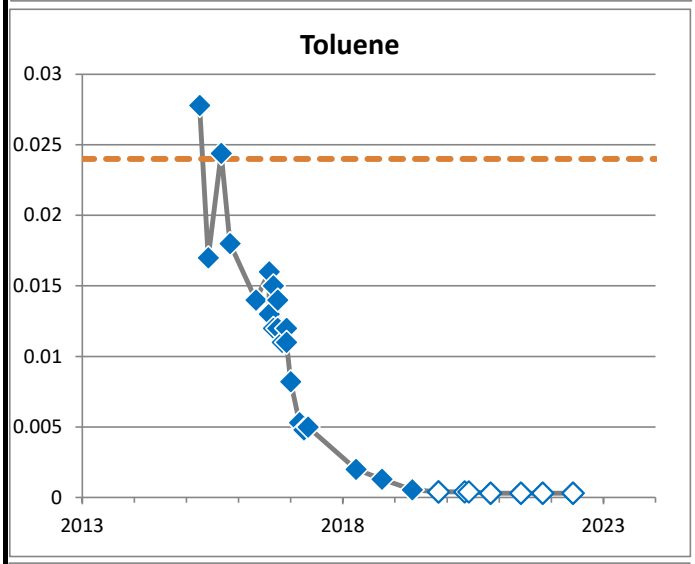
BH1937
(mg/L)

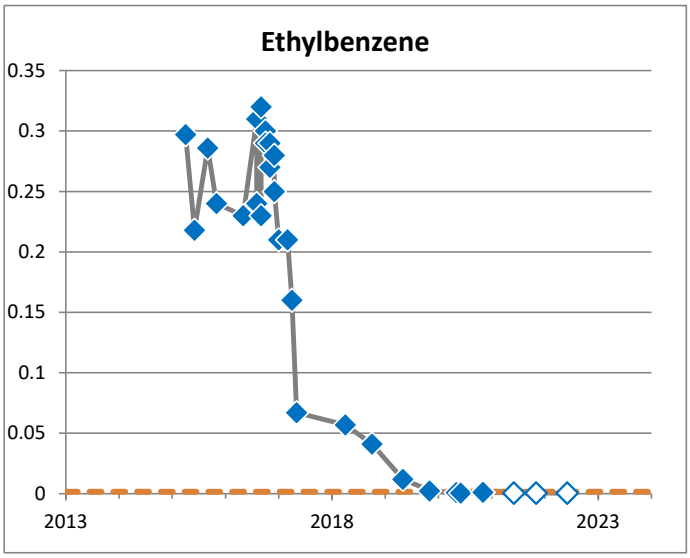
PARSONS

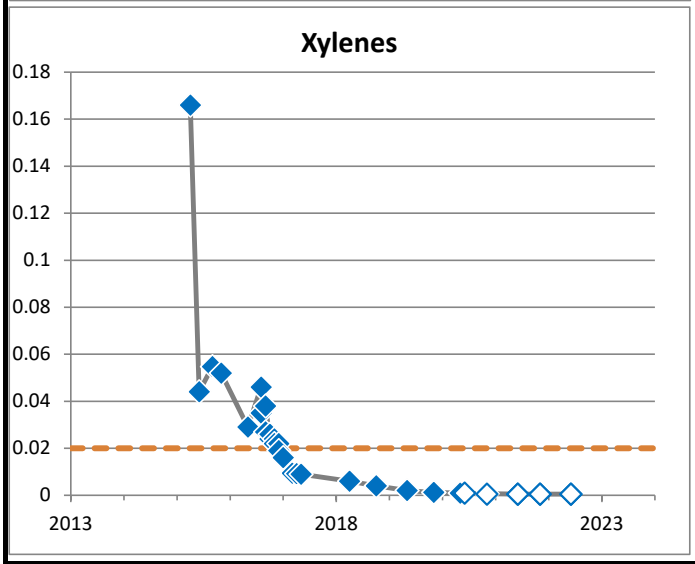
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-35	

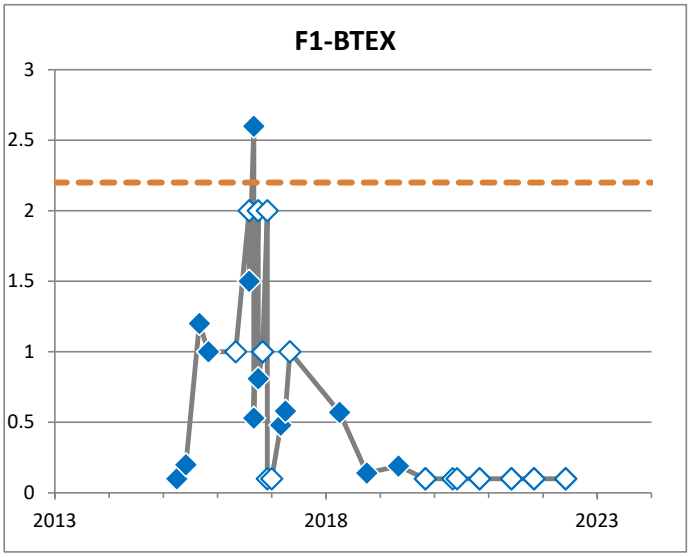












◇ Non-detect value

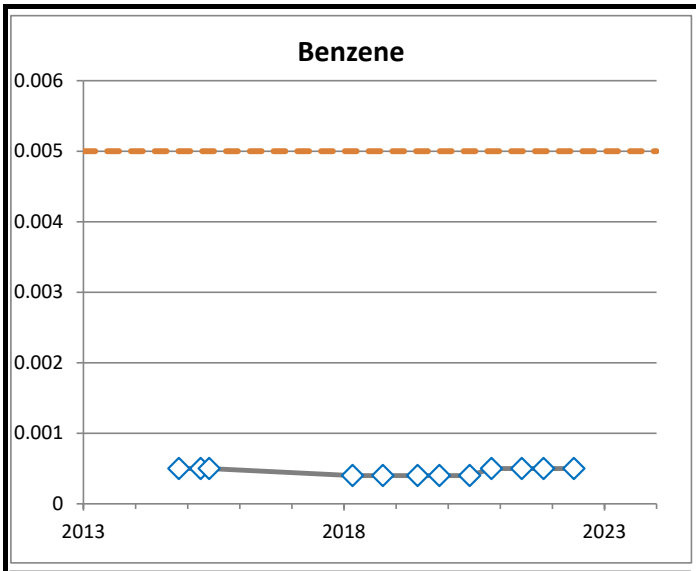
Drinking Water Guideline

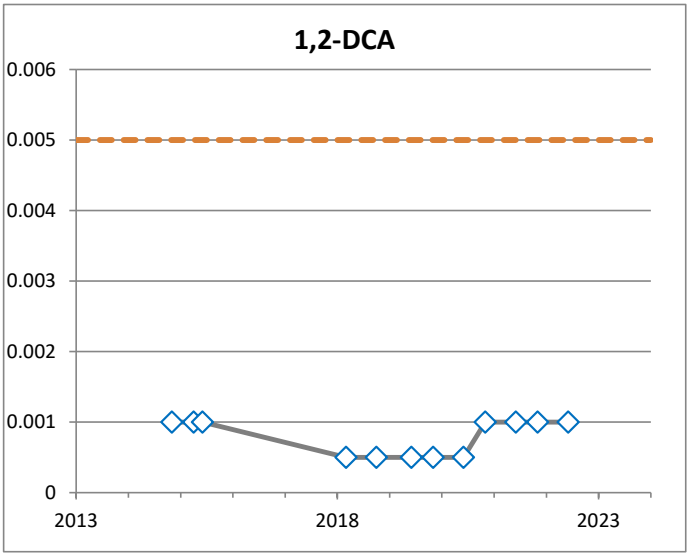
All samples are shown, including duplidates and multiple samples on the same date.

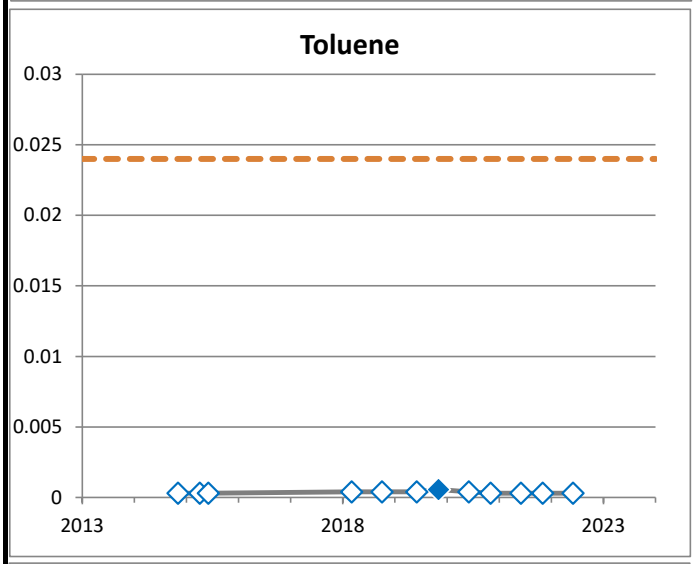
BH1939
(mg/L)

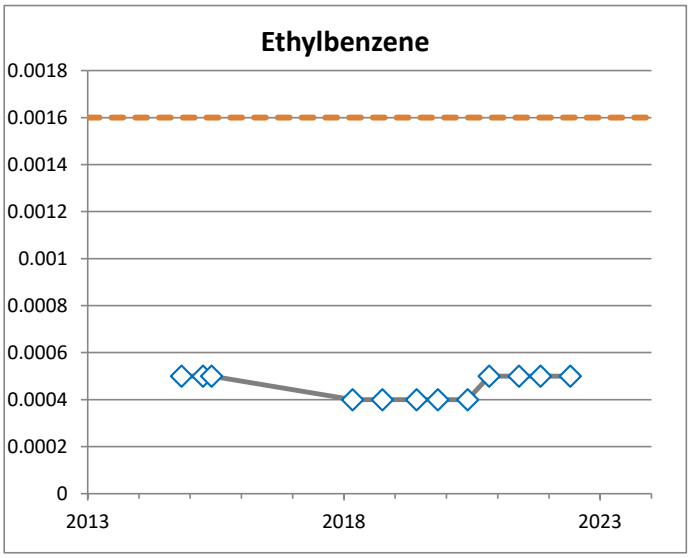
PARSONS

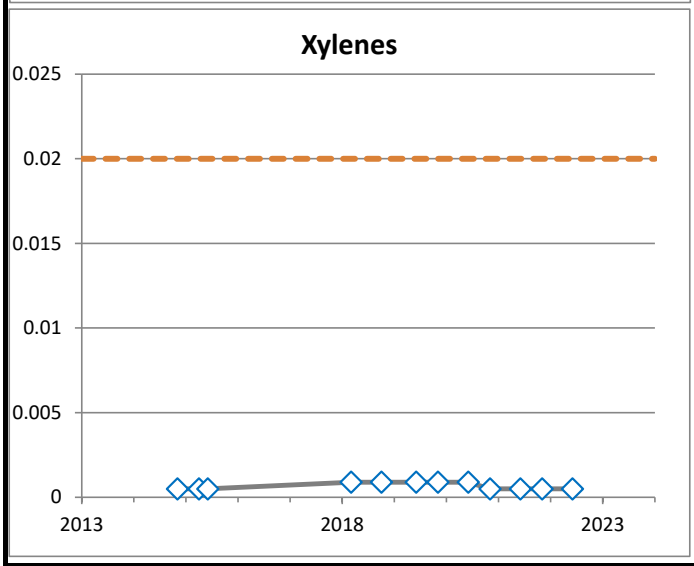
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-36	

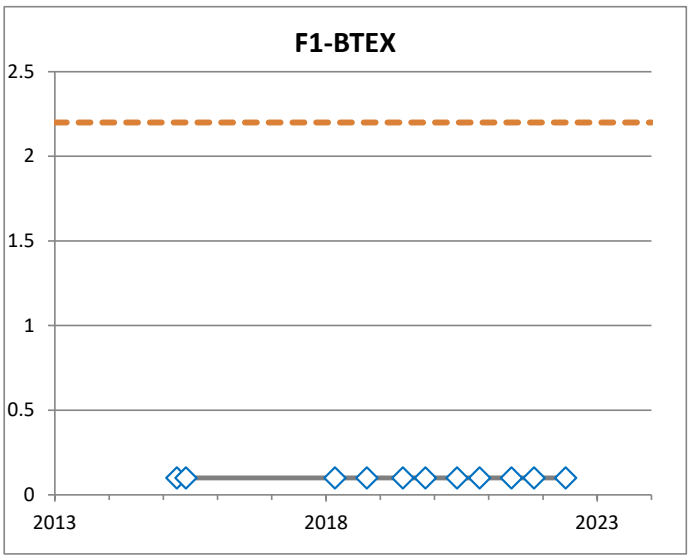












◇ Non-detect value

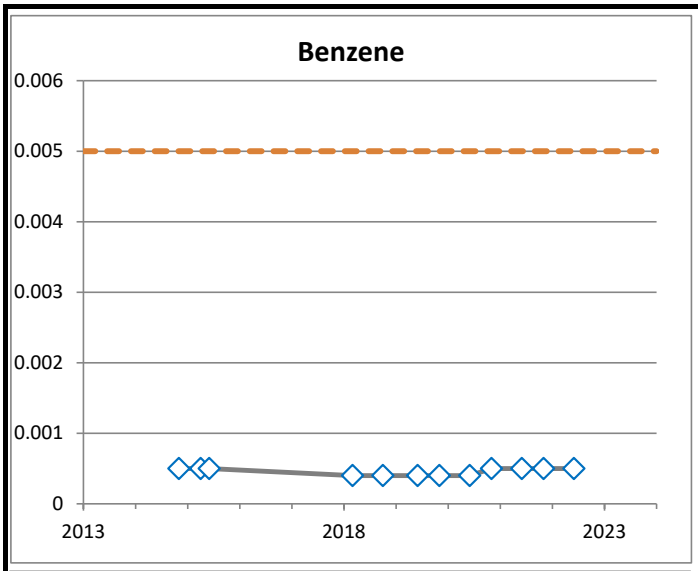
Drinking Water Guideline

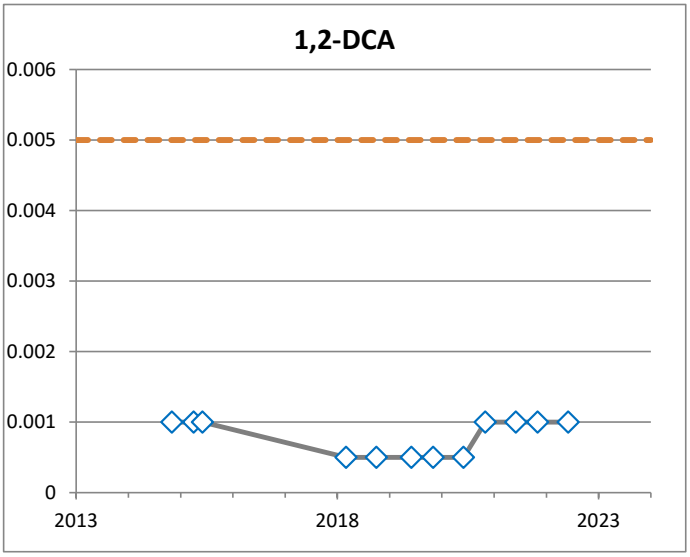
All samples are shown, including duplidates and multiple samples on the same date.

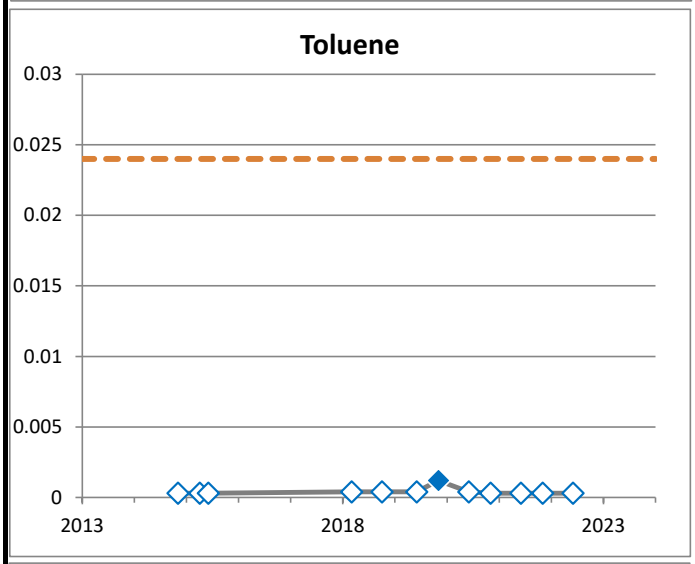
BH1941
(mg/L)

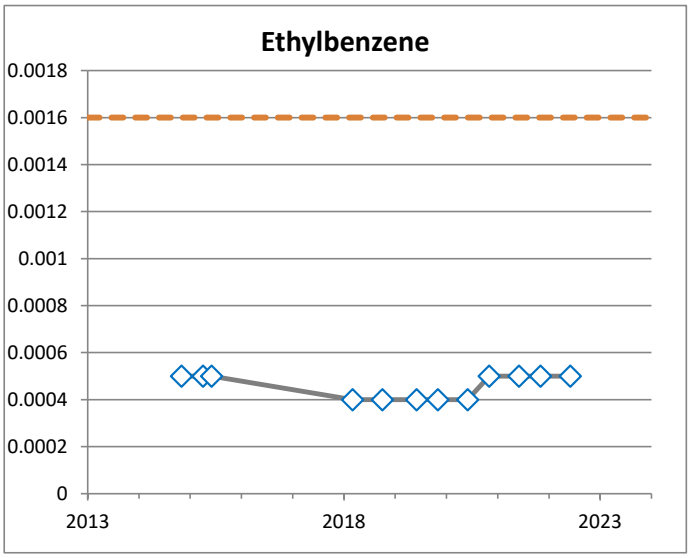
PARSONS

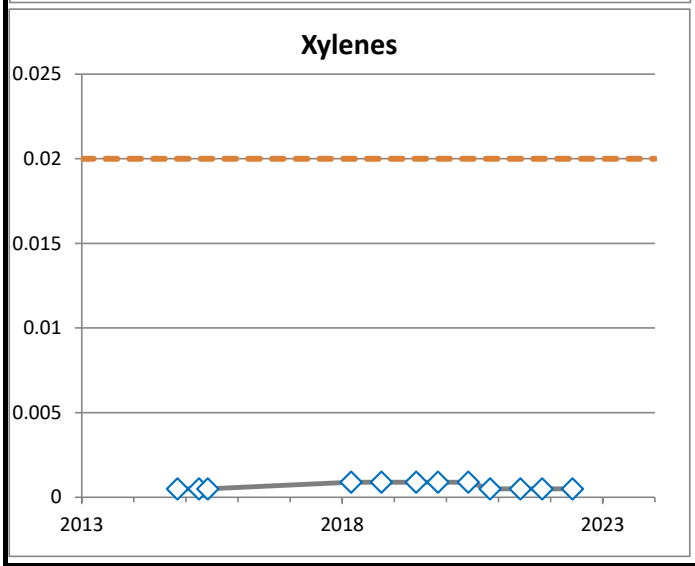
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-37		

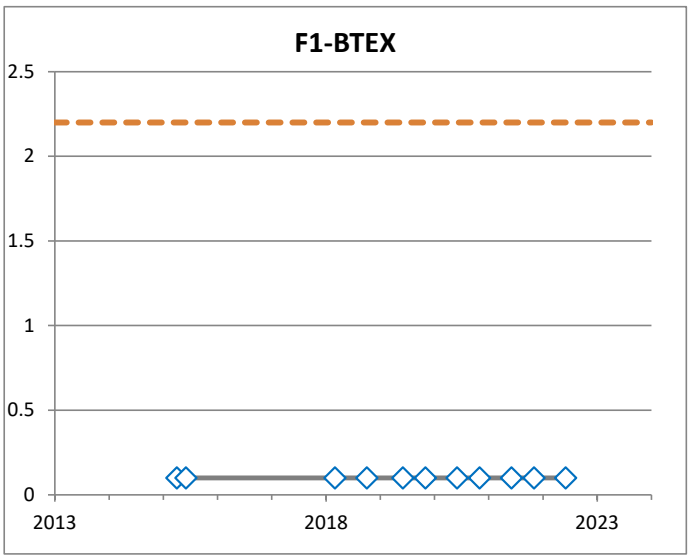












◇ Non-detect value

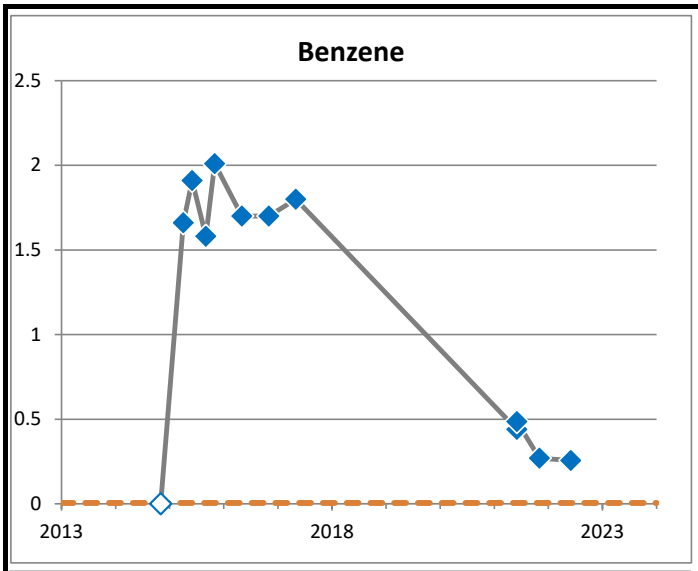
Drinking Water Guideline

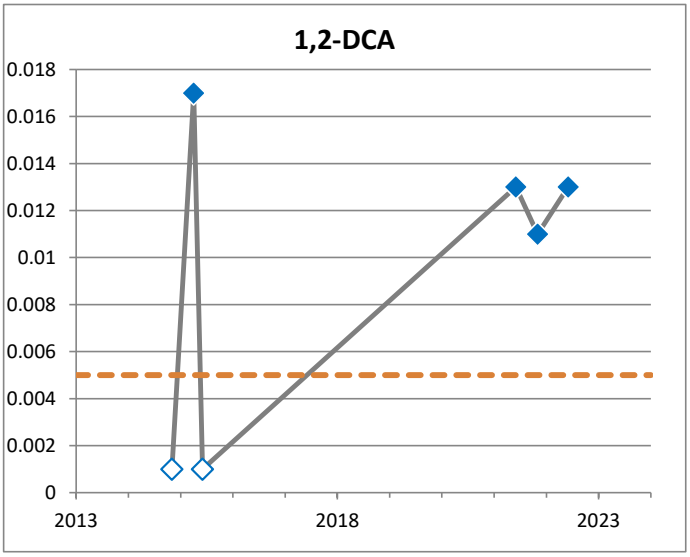
All samples are shown, including duplidates and multiple samples on the same date.

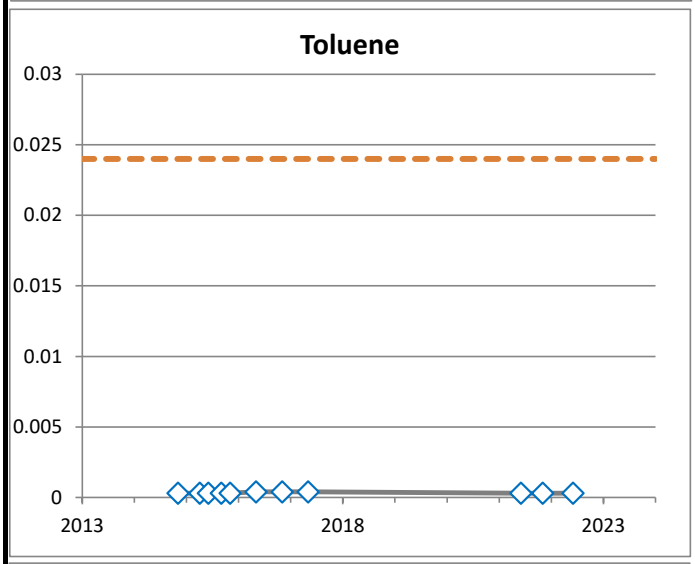
BH1942
(mg/L)

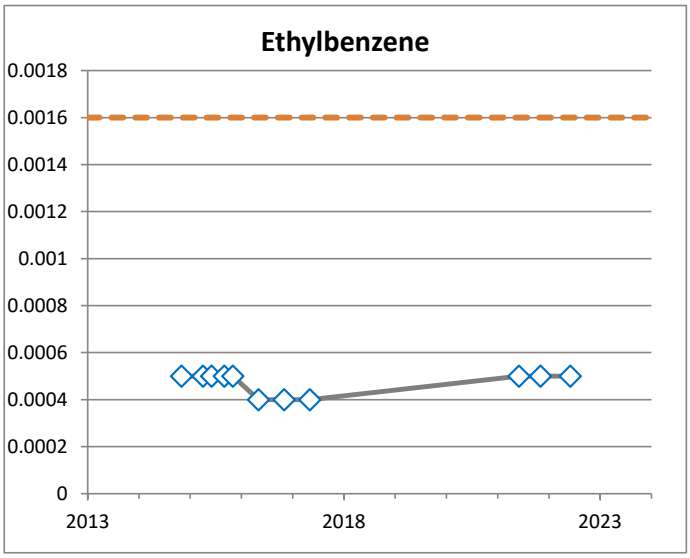
PARSONS

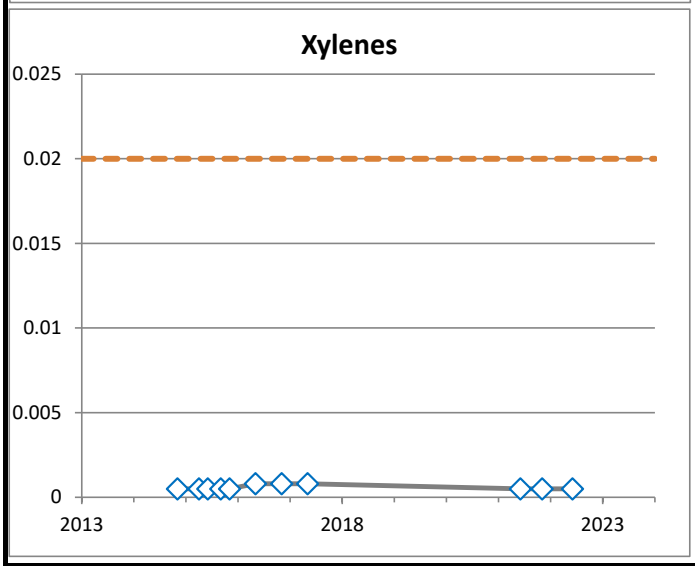
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-38		

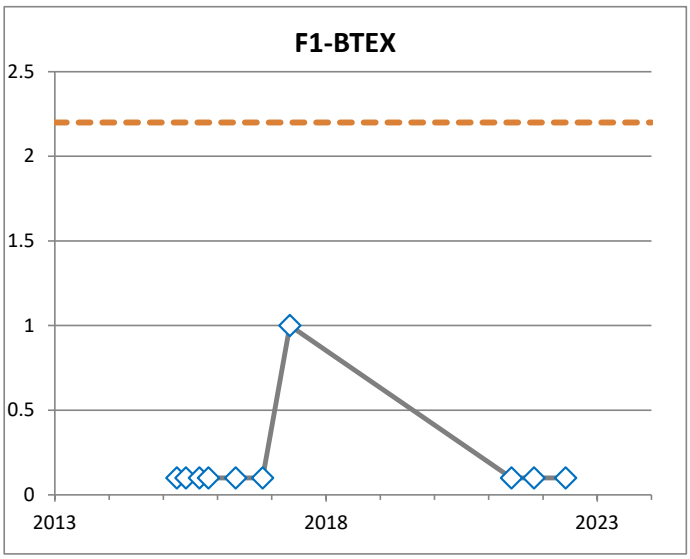












◇ Non-detect value

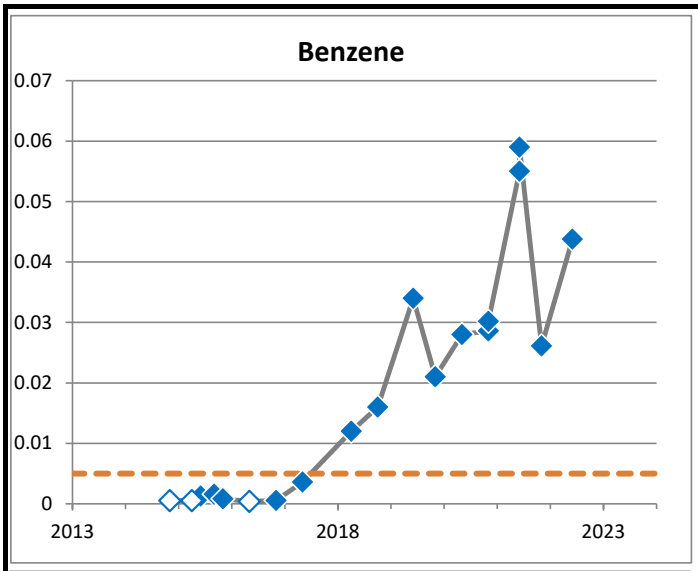
Drinking Water Guideline

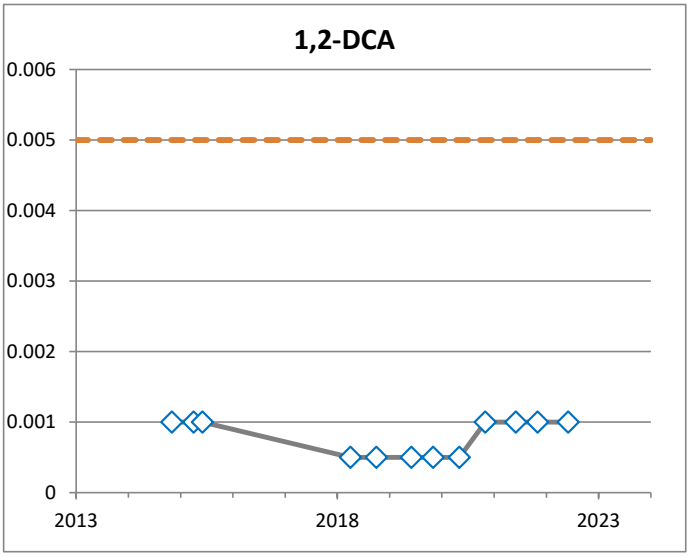
All samples are shown, including duplidates and multiple samples on the same date.

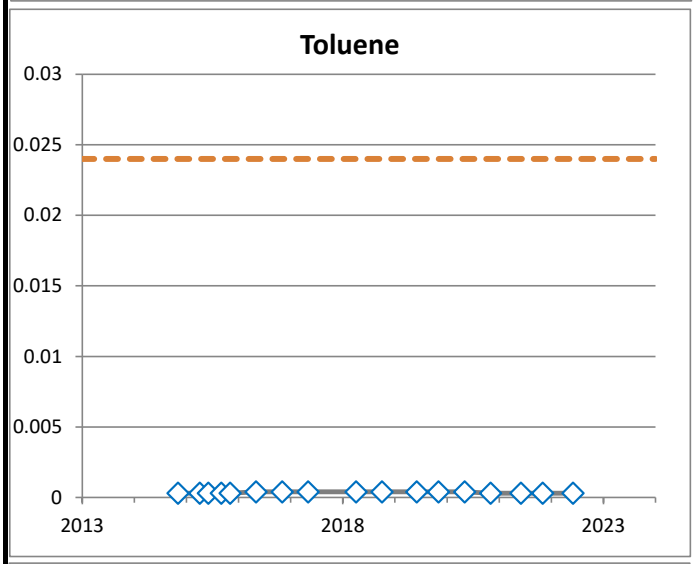
BH1943
(mg/L)

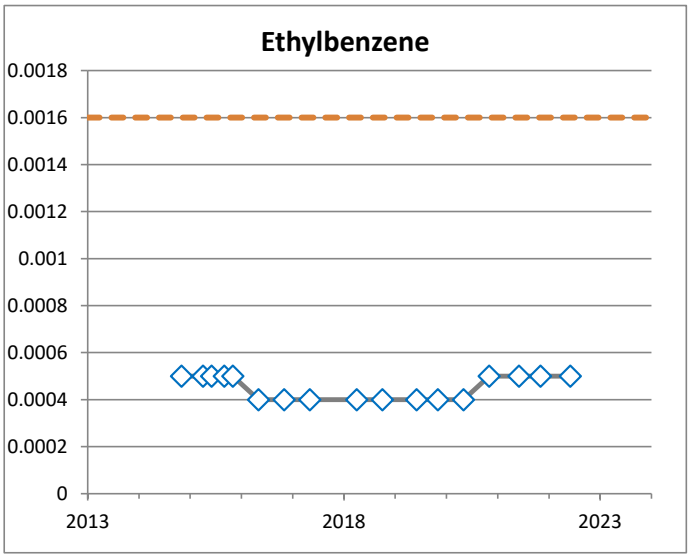
PARSONS

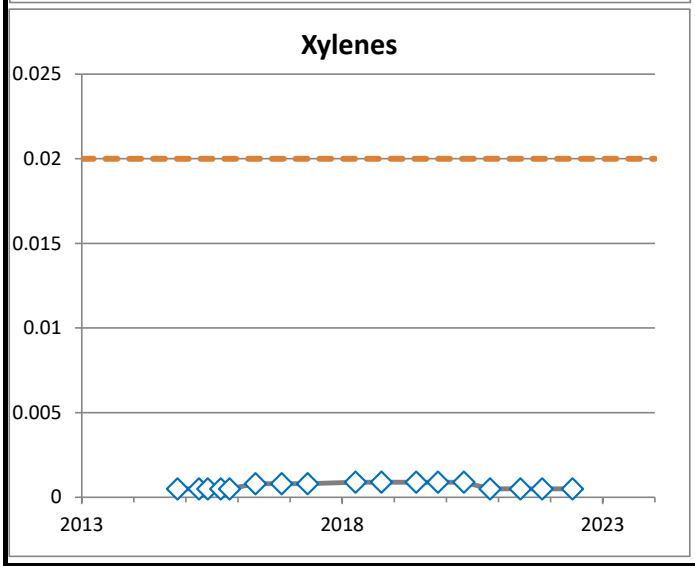
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-39	

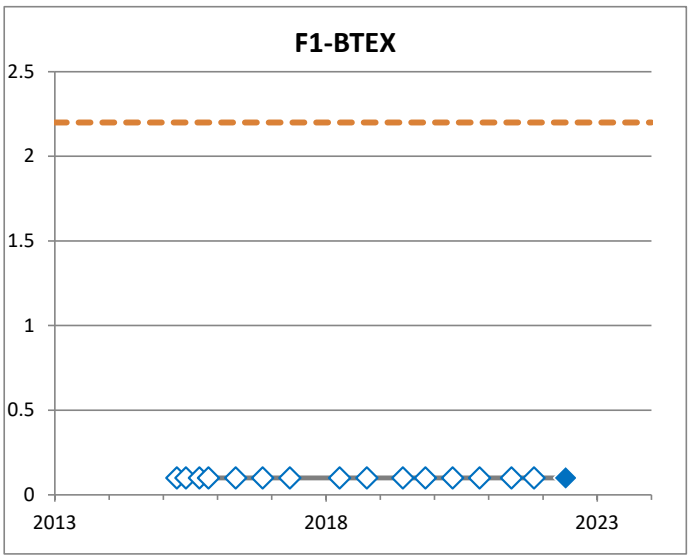












◇ Non-detect value

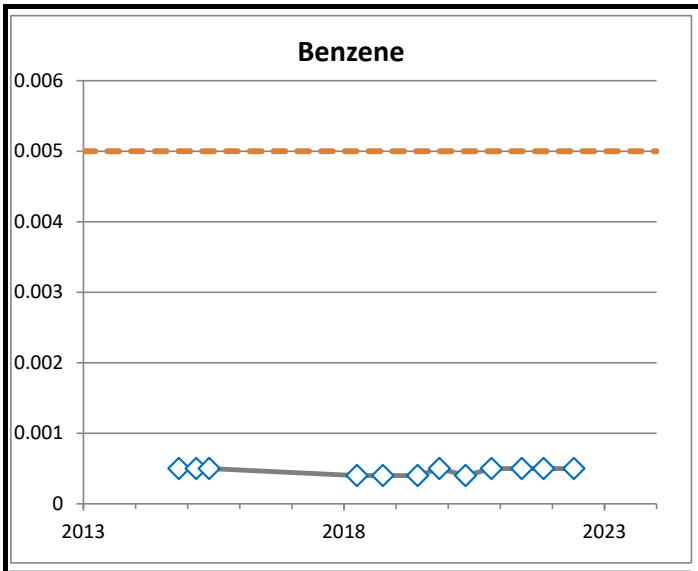
Drinking Water Guideline

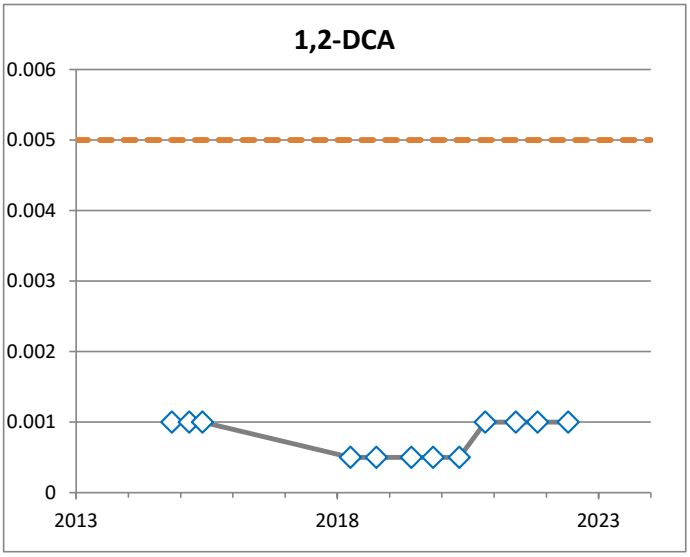
All samples are shown, including duplidates and multiple samples on the same date.

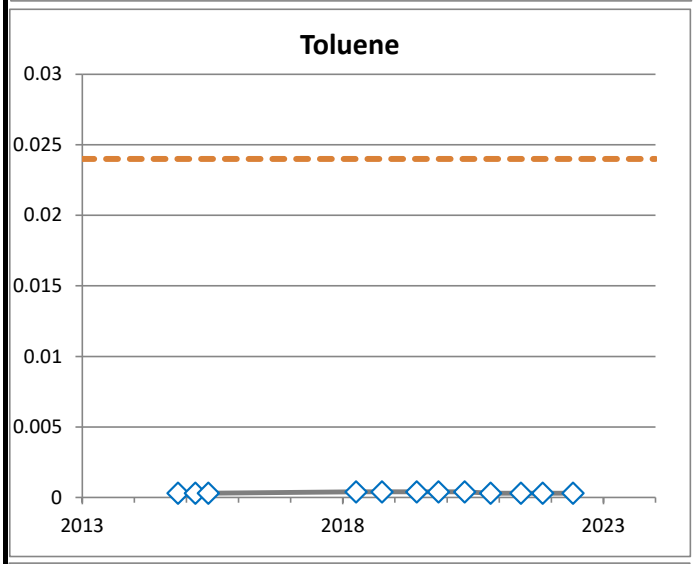
BH1944
(mg/L)

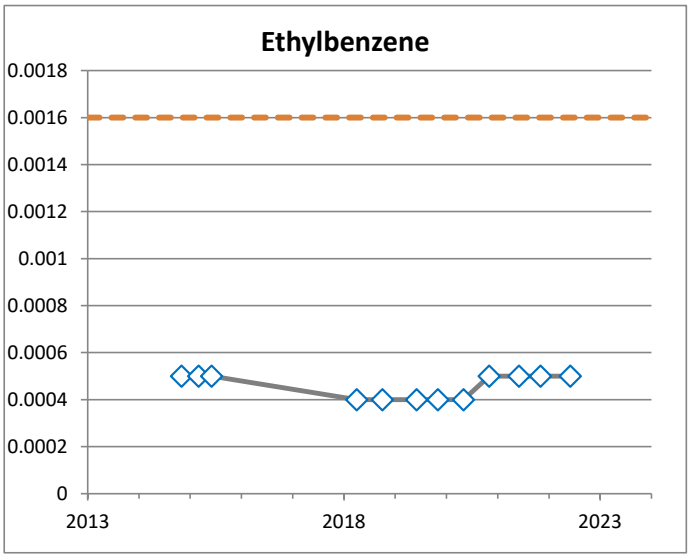
PARSONS

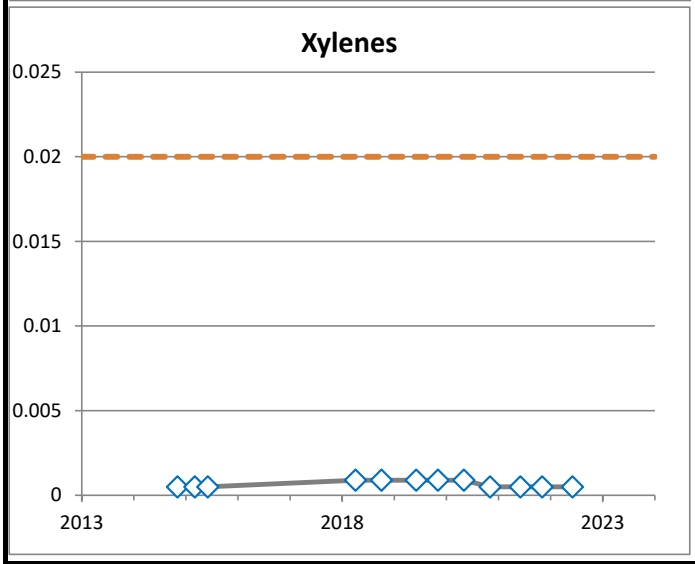
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-40	

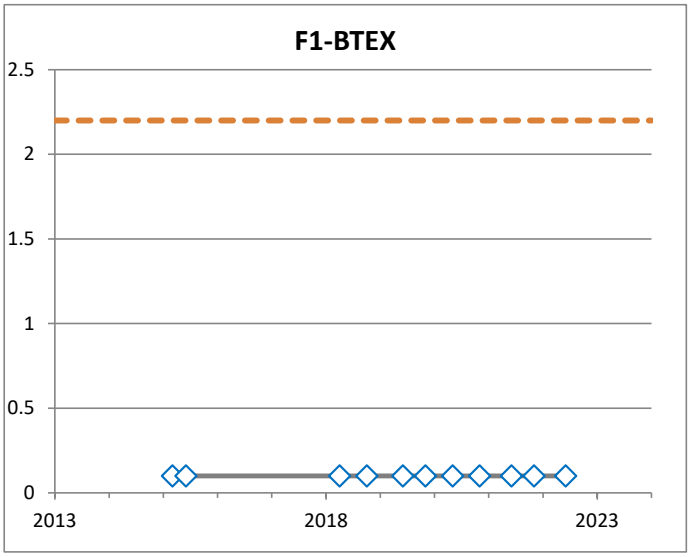












◇ Non-detect value

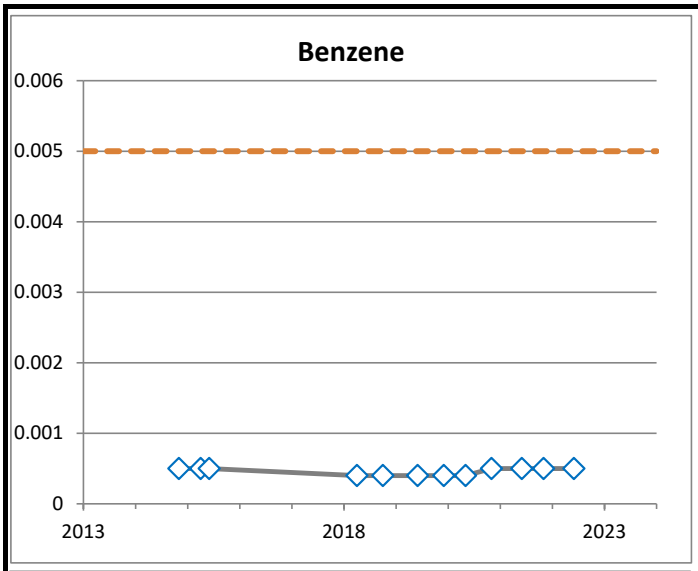
Drinking Water Guideline

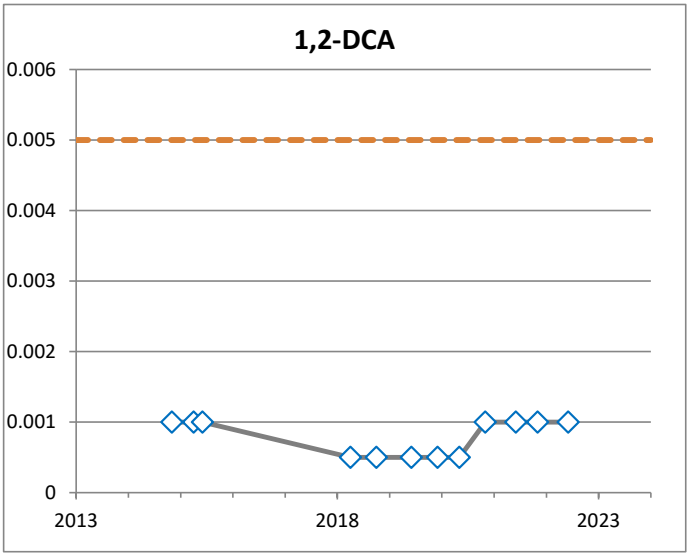
All samples are shown, including duplidates and multiple samples on the same date.

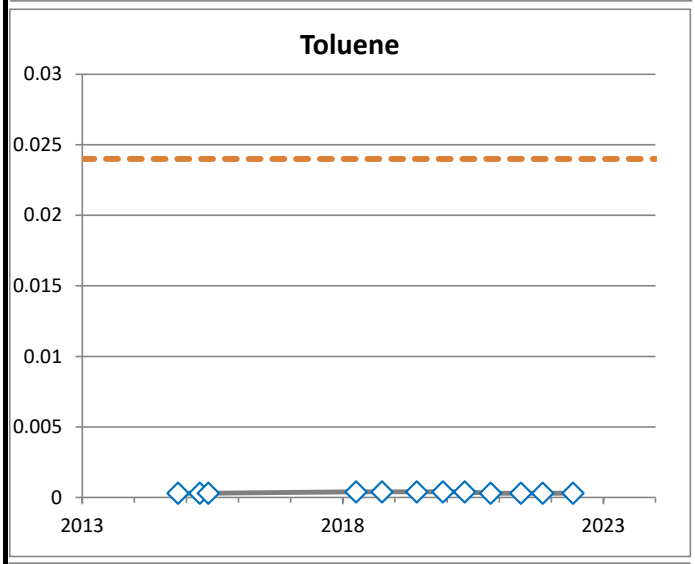
BH1945
(mg/L)

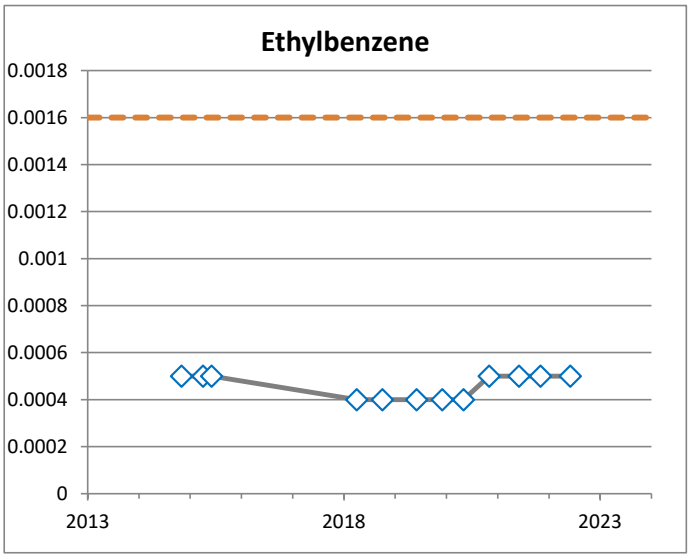
PARSONS

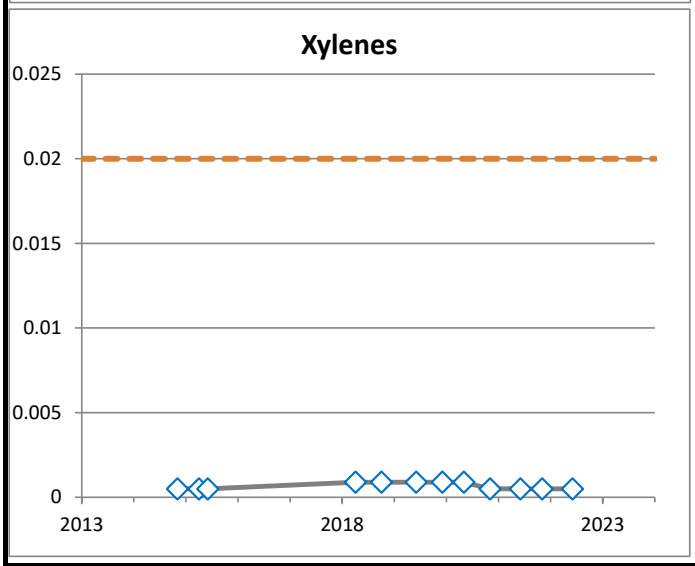
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-41	

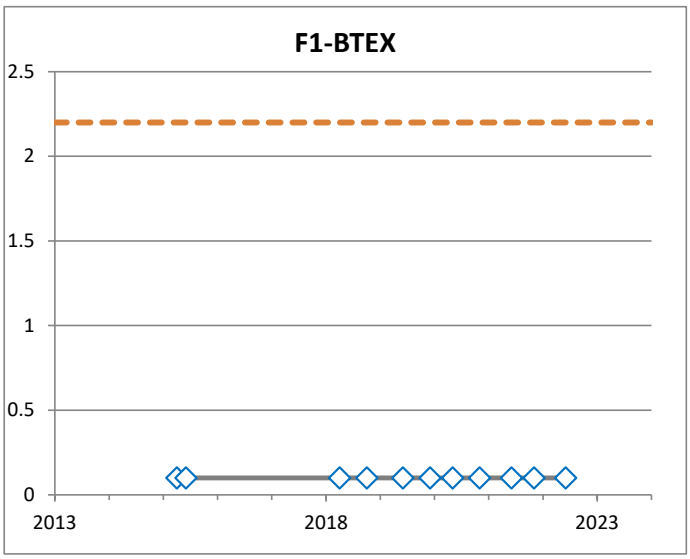












◇ Non-detect value

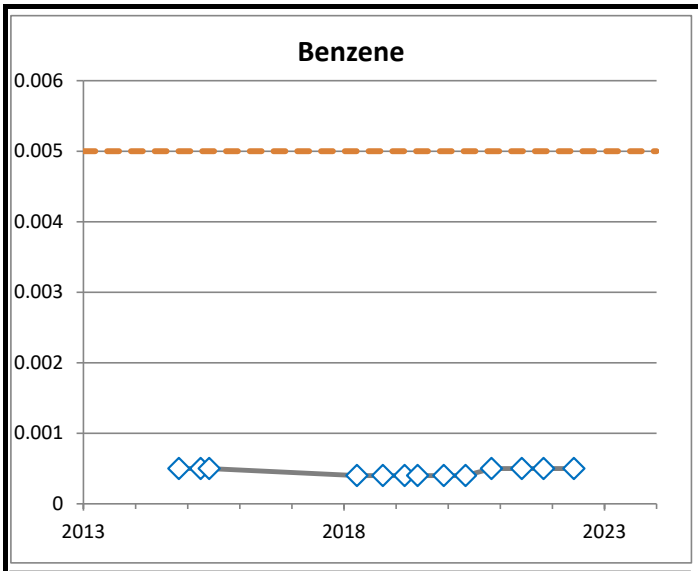
Drinking Water Guideline

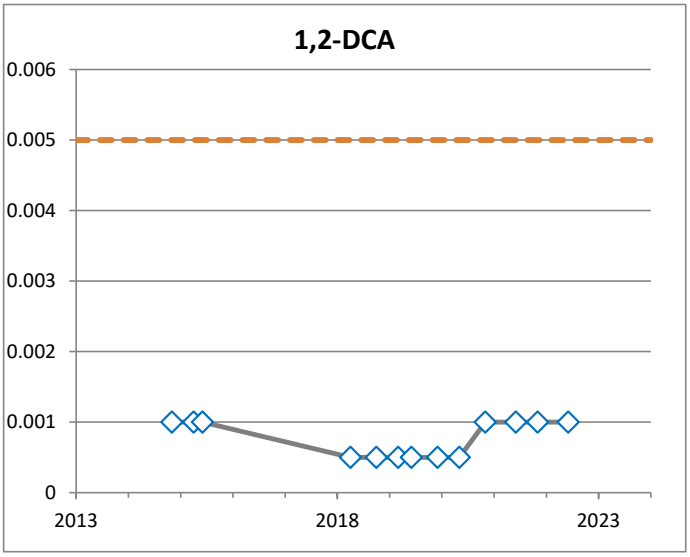
All samples are shown, including duplidates and multiple samples on the same date.

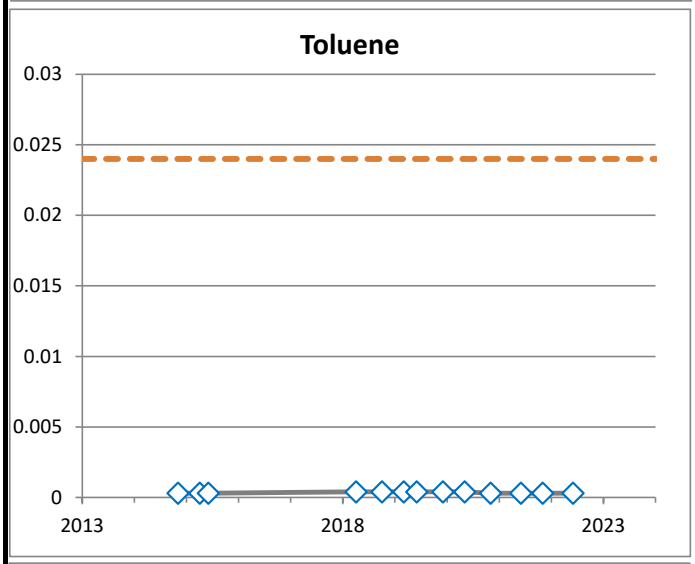
BH1946
(mg/L)

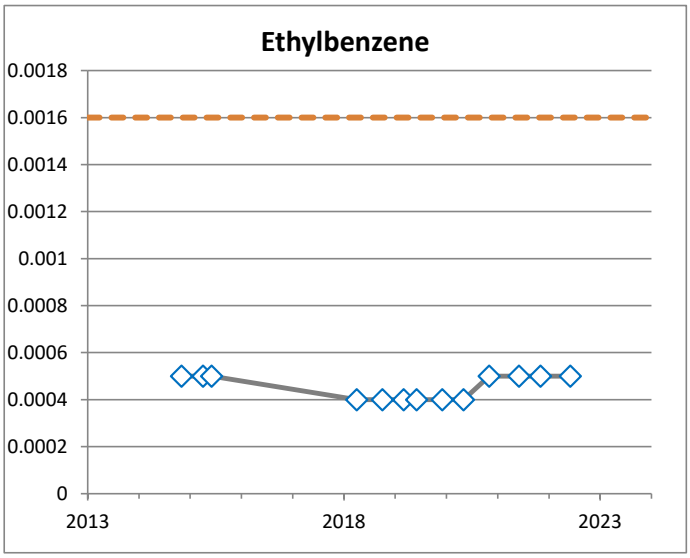
PARSONS

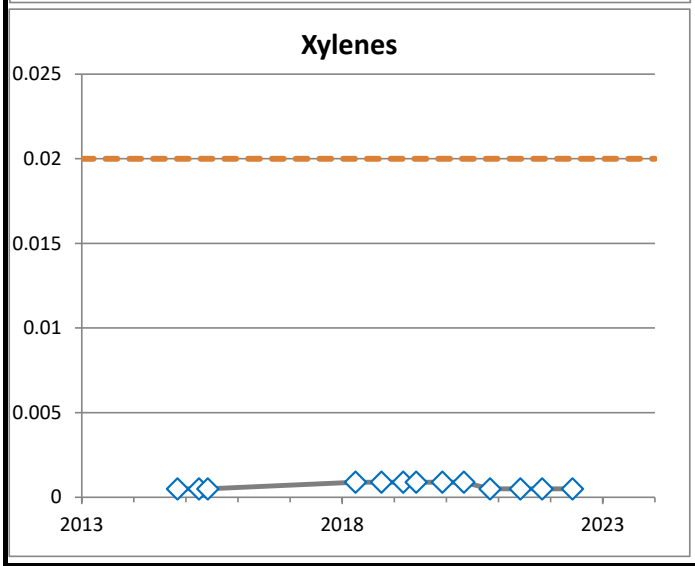
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-42		

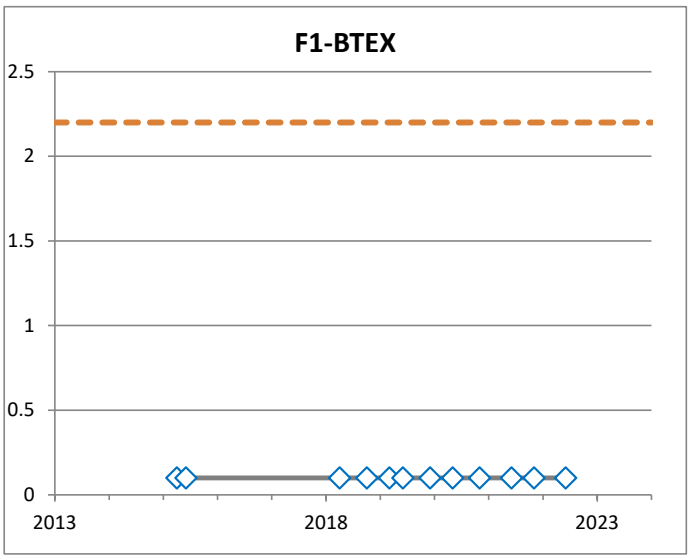












◇ Non-detect value

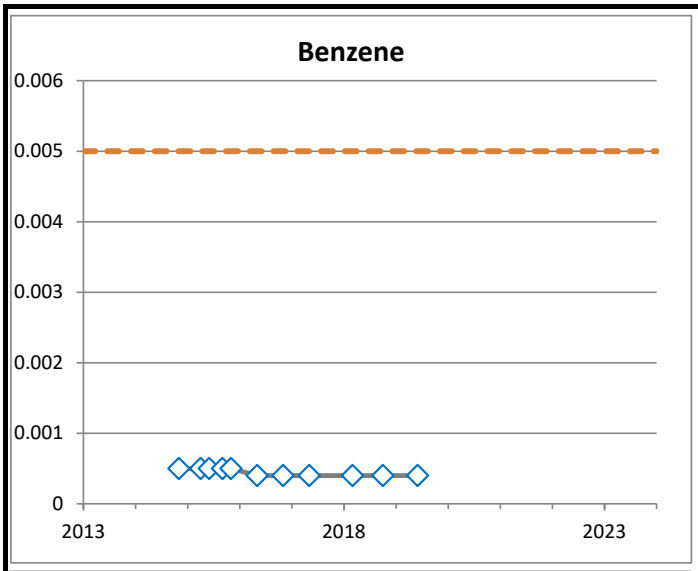
Drinking Water Guideline

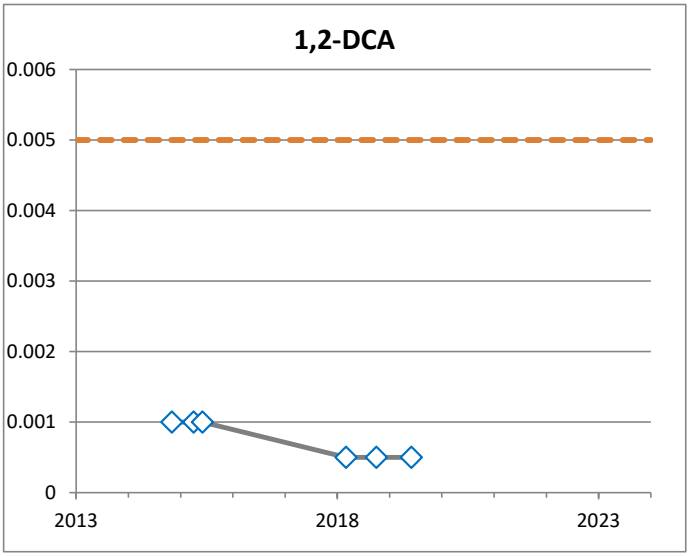
All samples are shown, including duplidates and multiple samples on the same date.

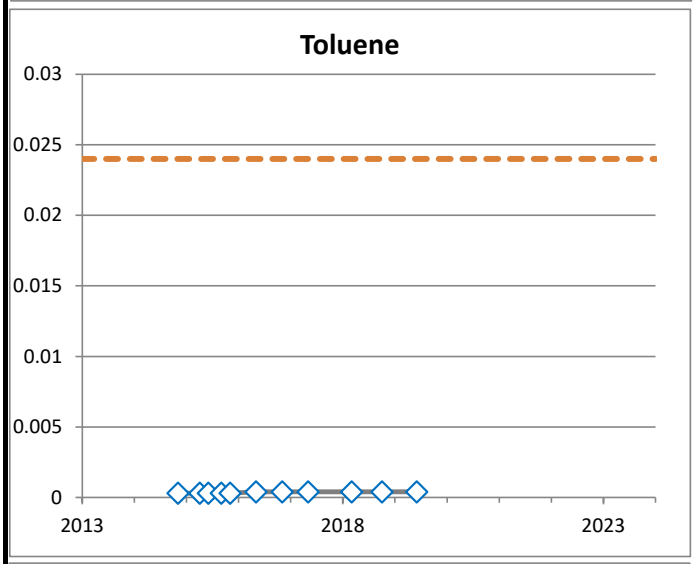
BH1947
(mg/L)

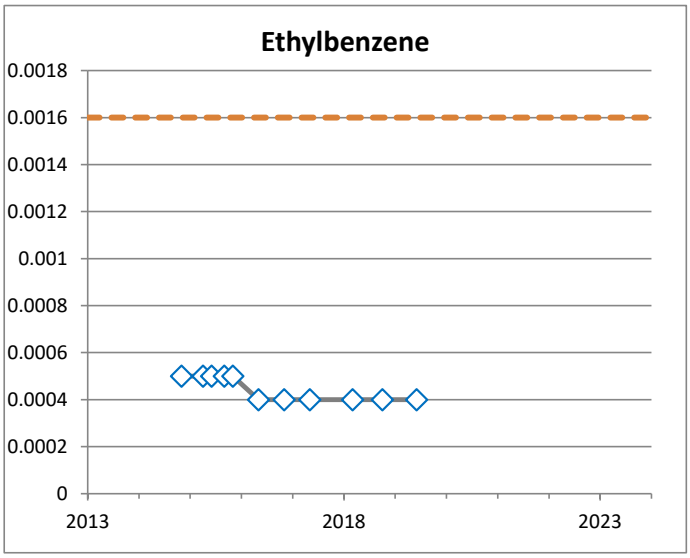
PARSONS

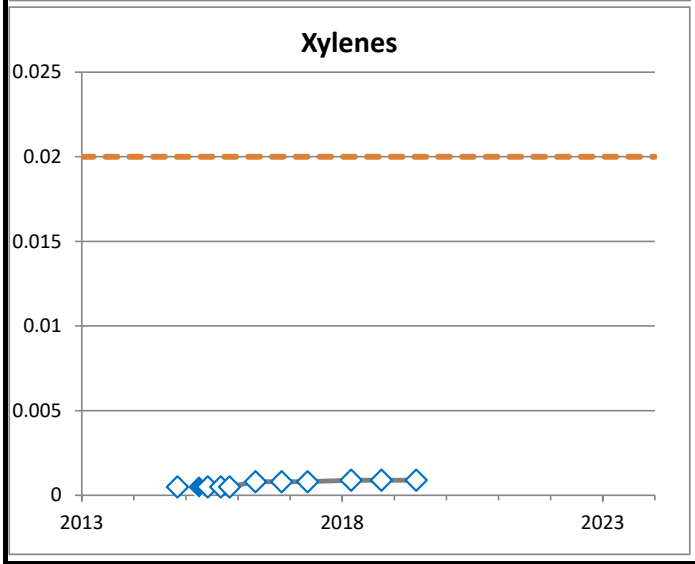
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-43		

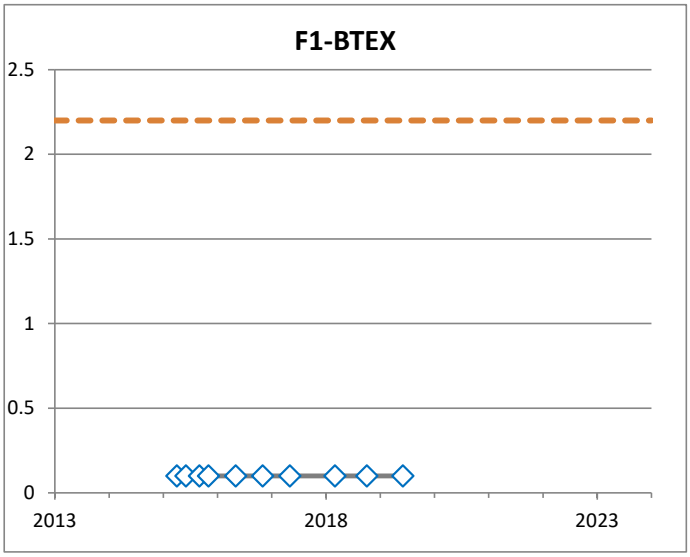












◇ Non-detect value

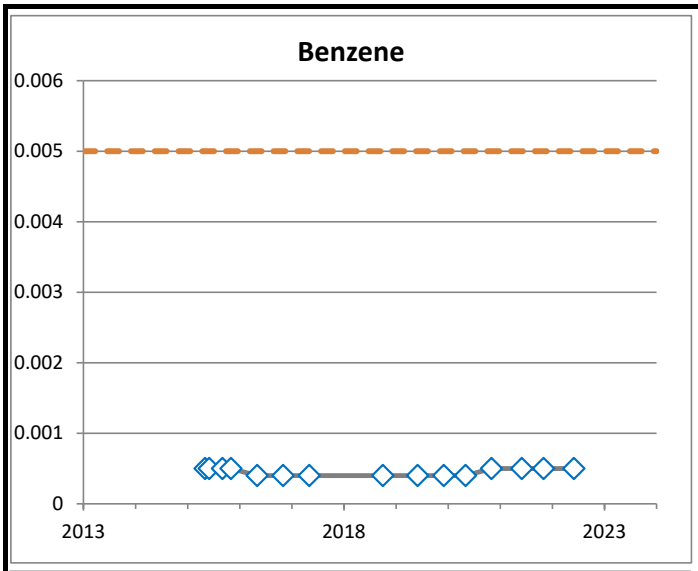
Drinking Water Guideline

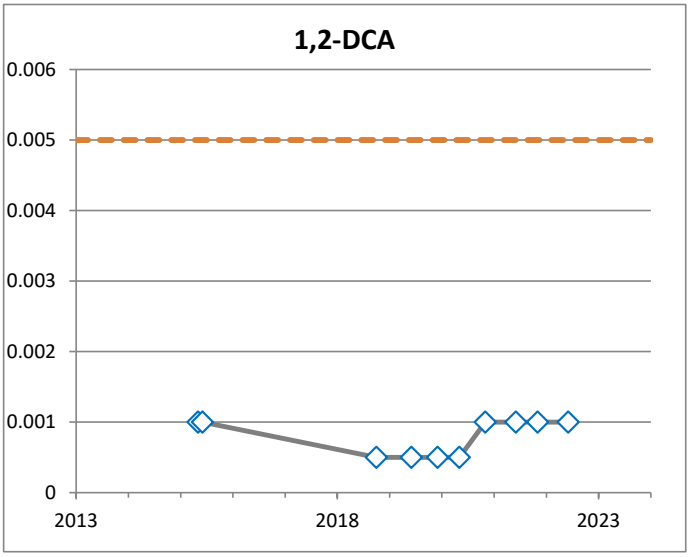
All samples are shown, including duplidates and multiple samples on the same date.

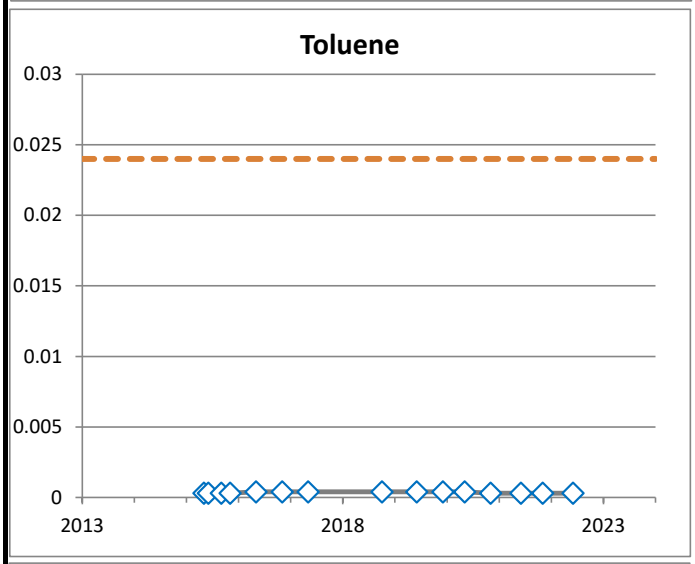
BH1948
(mg/L)

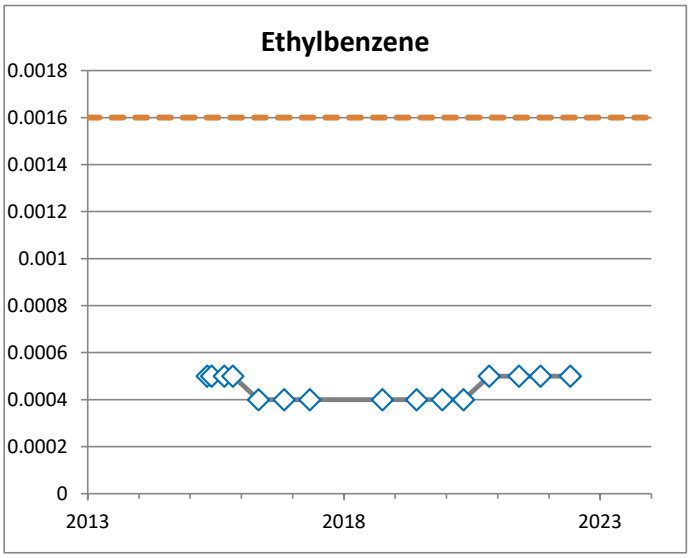
PARSONS

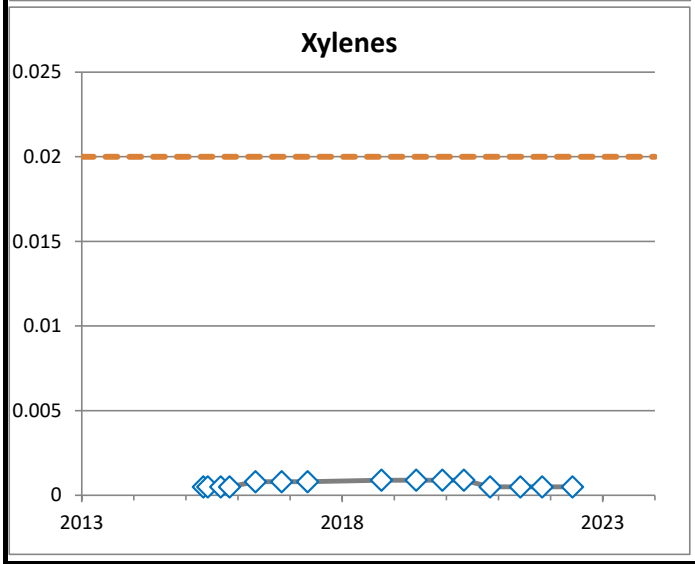
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-44	

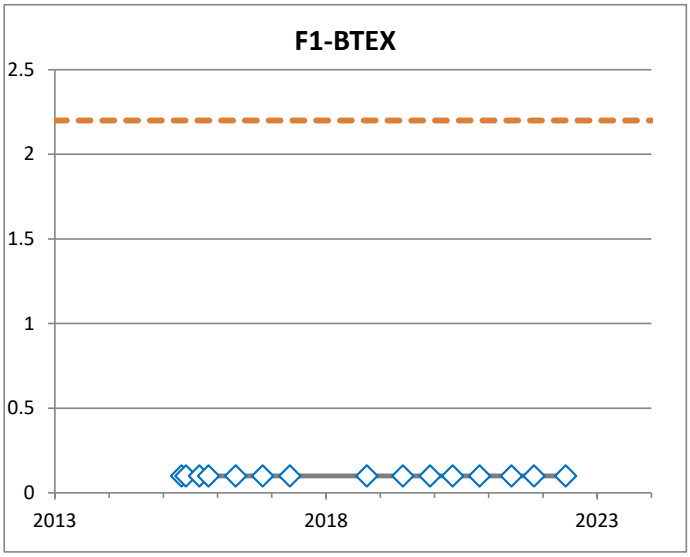












◇ Non-detect value

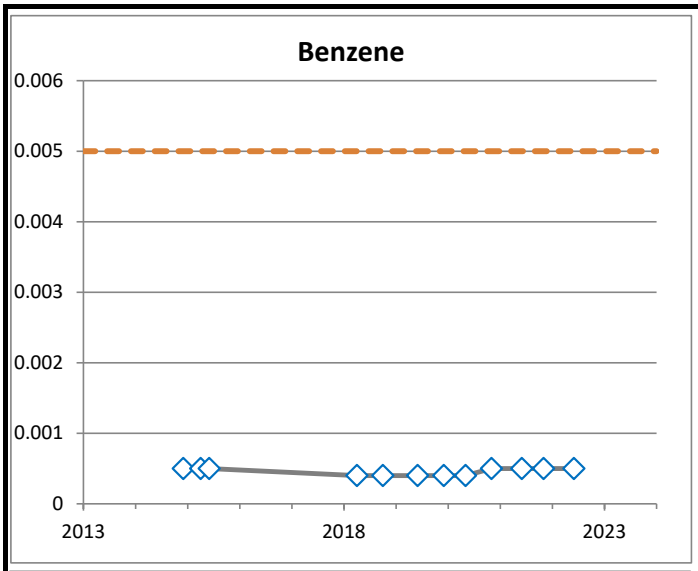
Drinking Water Guideline

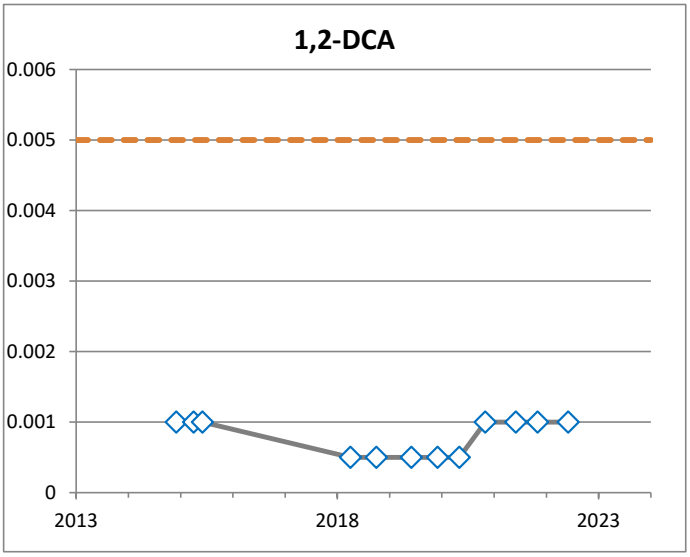
All samples are shown, including duplidates and multiple samples on the same date.

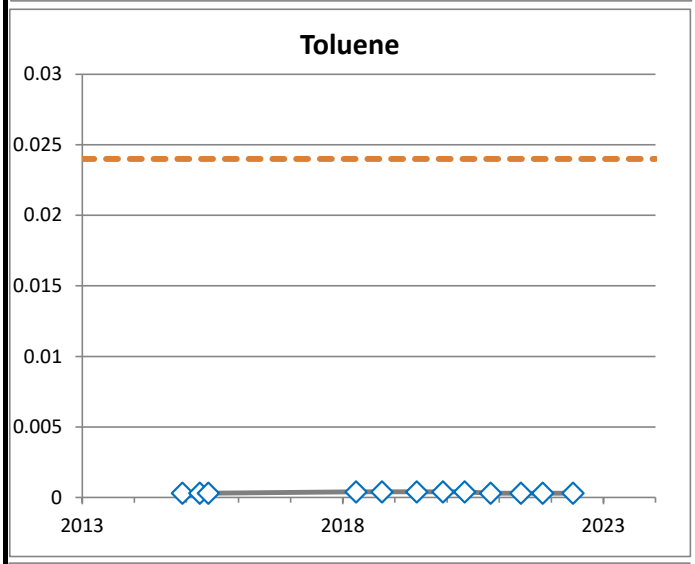
BH1950A
(mg/L)

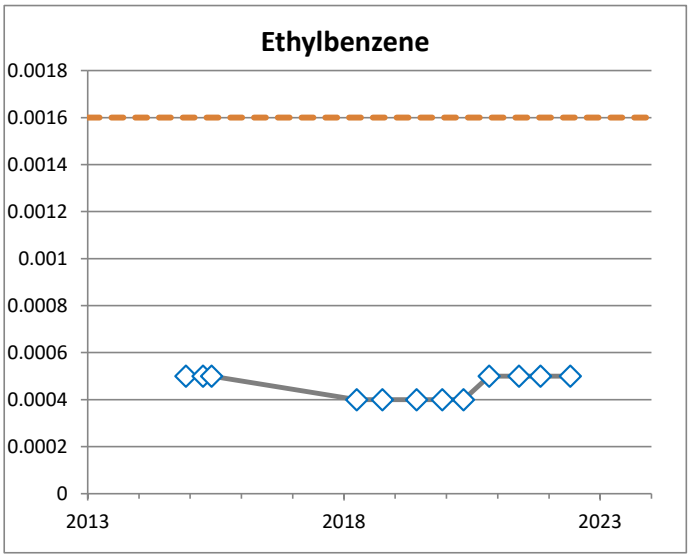
PARSONS

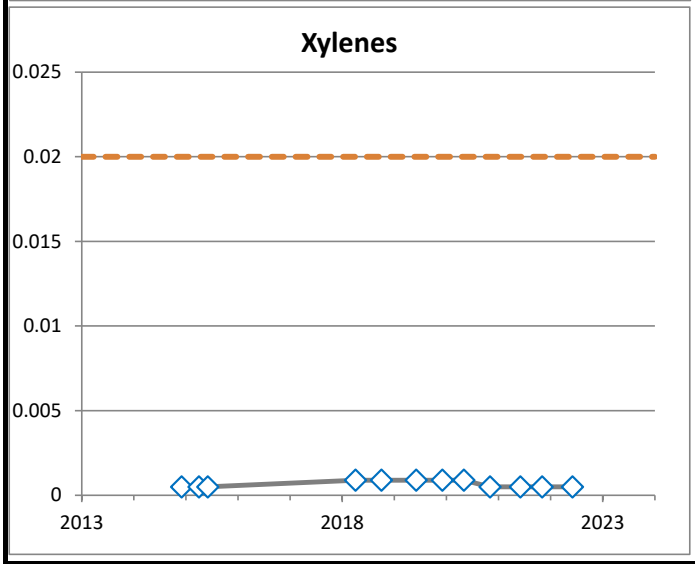
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-45		

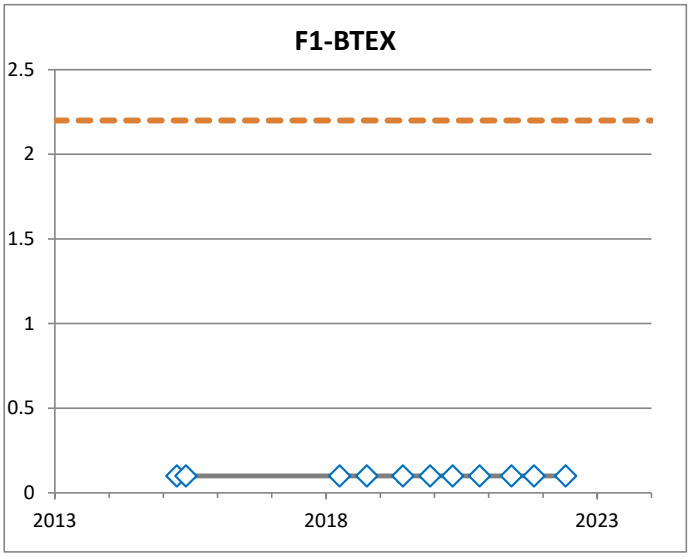












◇ Non-detect value

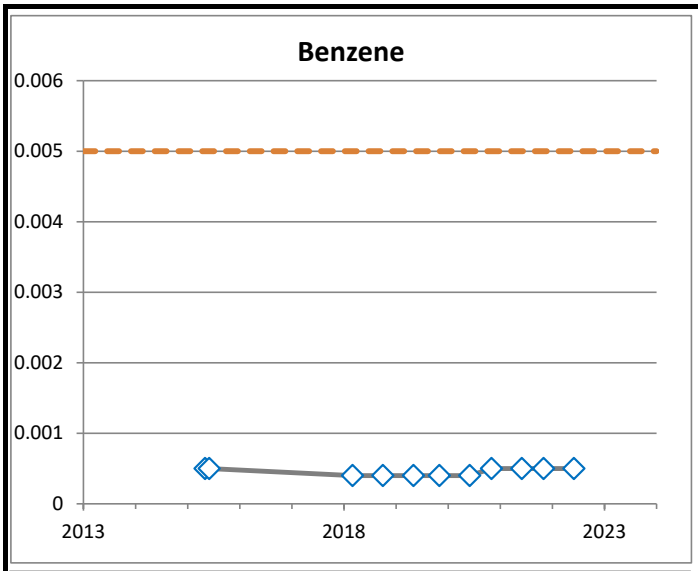
Drinking Water Guideline

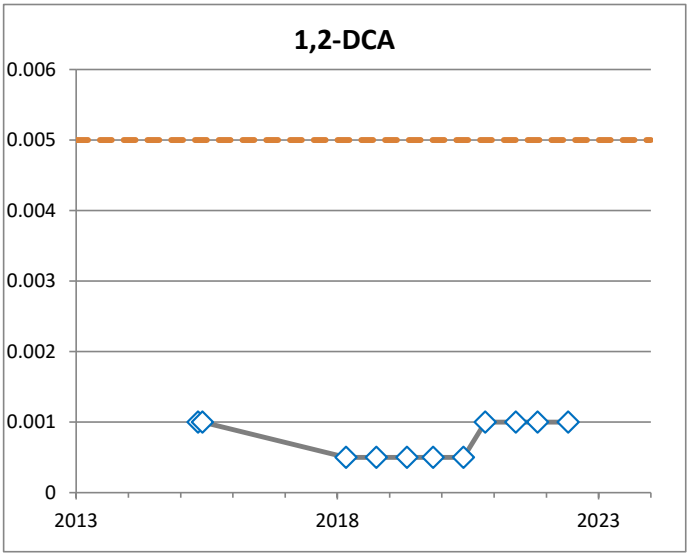
All samples are shown, including duplidates and multiple samples on the same date.

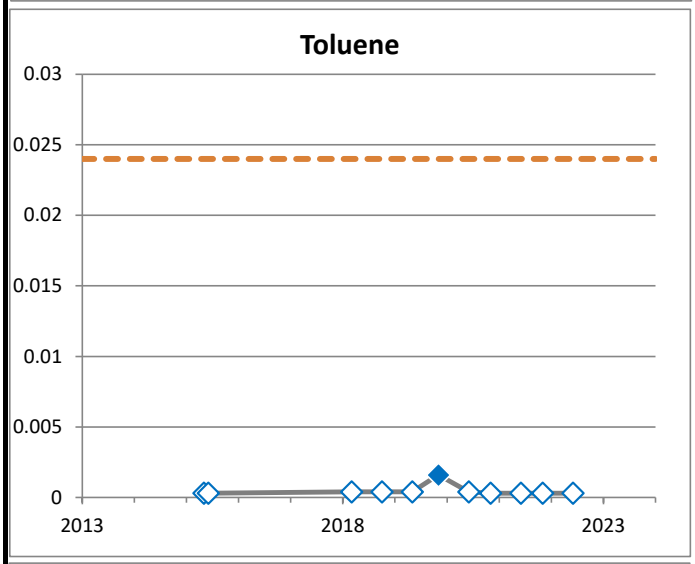
BH1951
(mg/L)

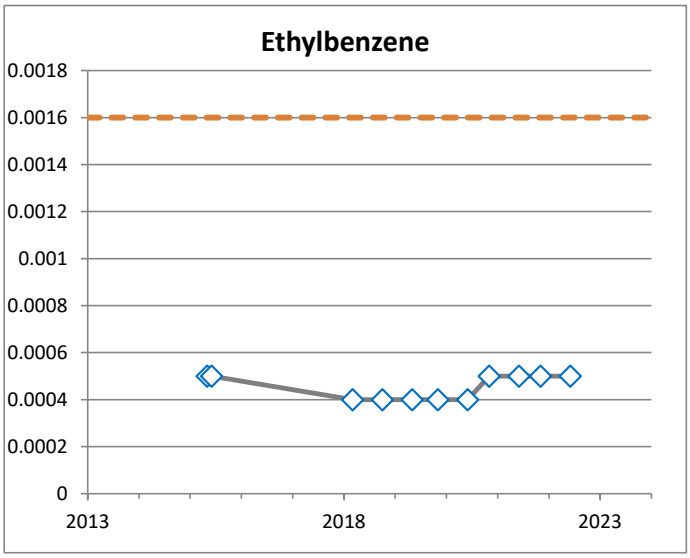
PARSONS

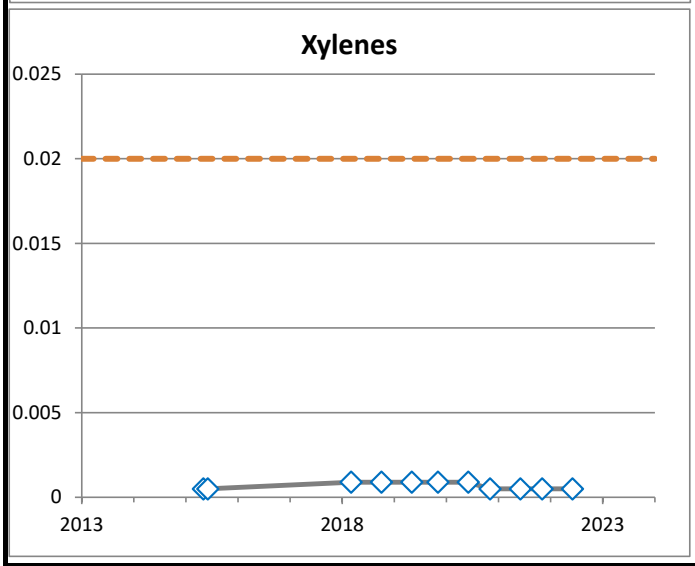
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-46	

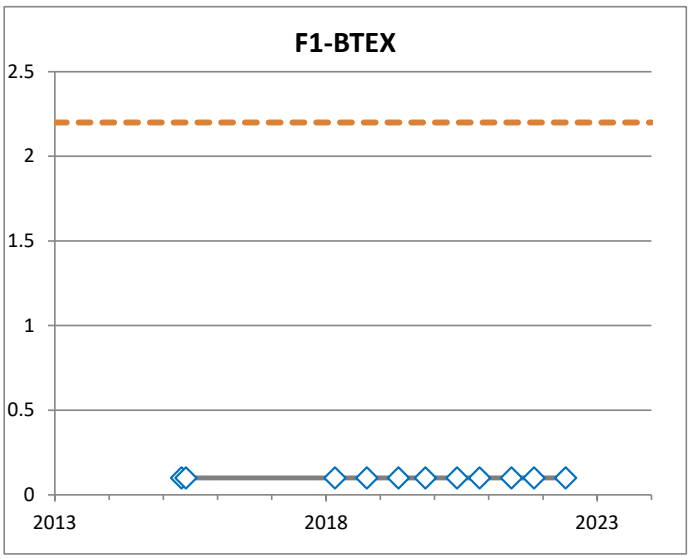












◇ Non-detect value

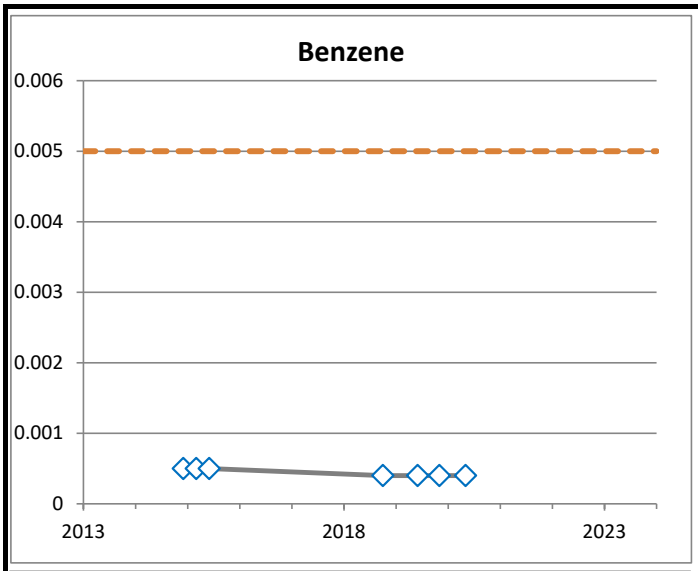
Drinking Water Guideline

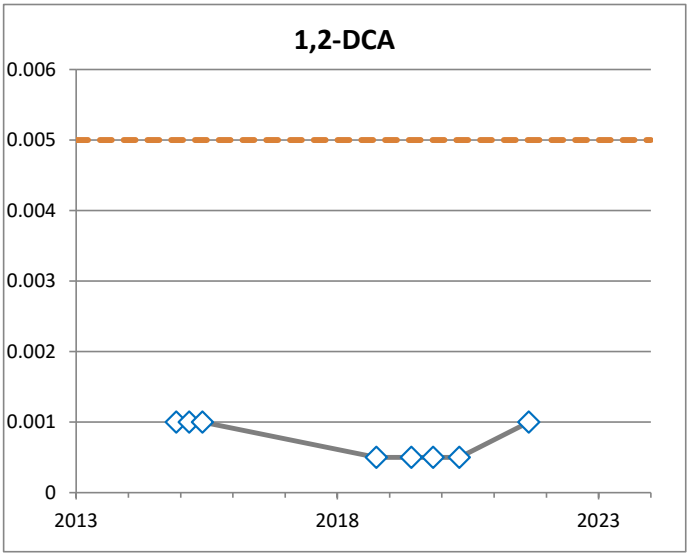
All samples are shown, including duplidates and multiple samples on the same date.

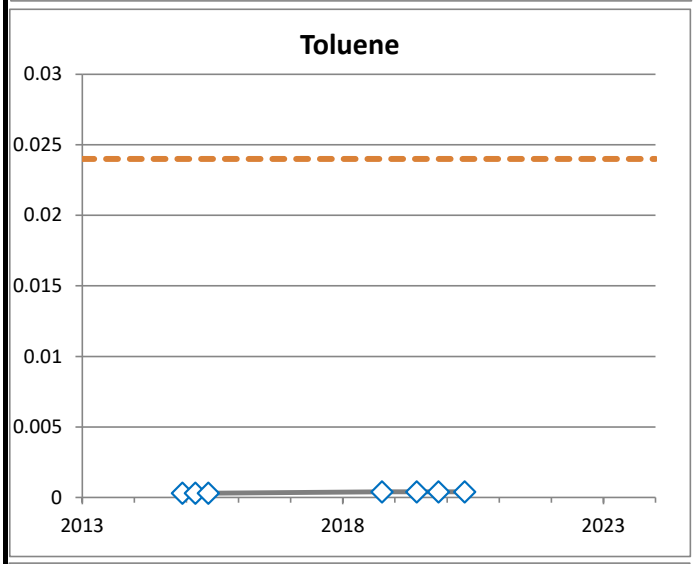
BH1952
(mg/L)

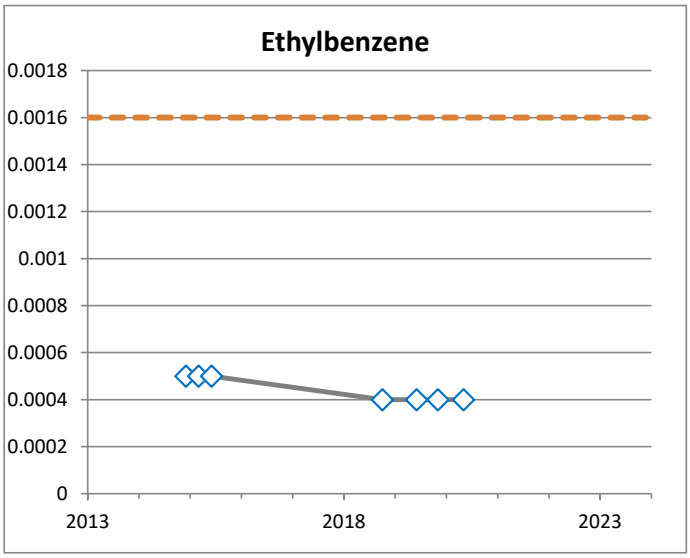
PARSONS

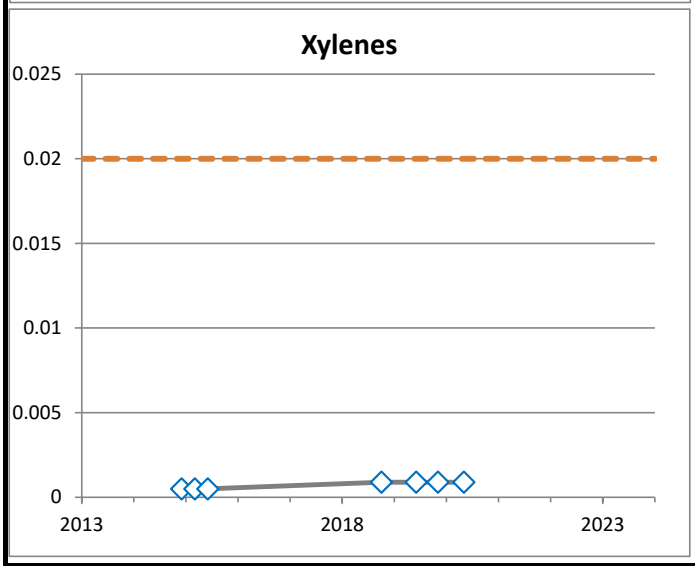
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-47	

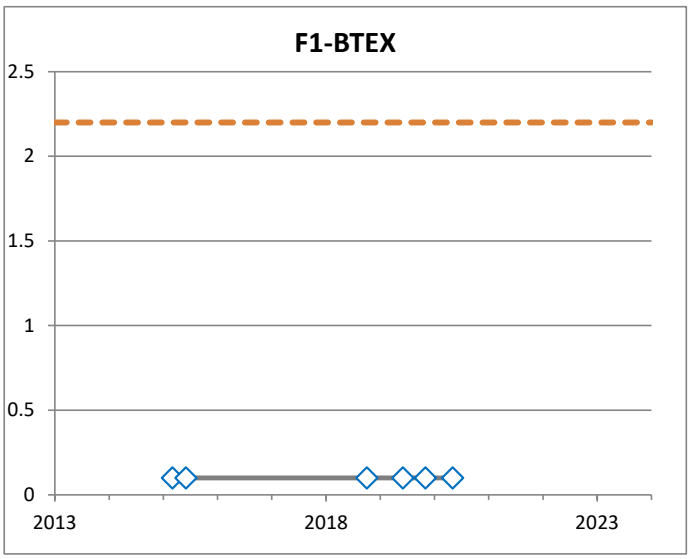












◇ Non-detect value

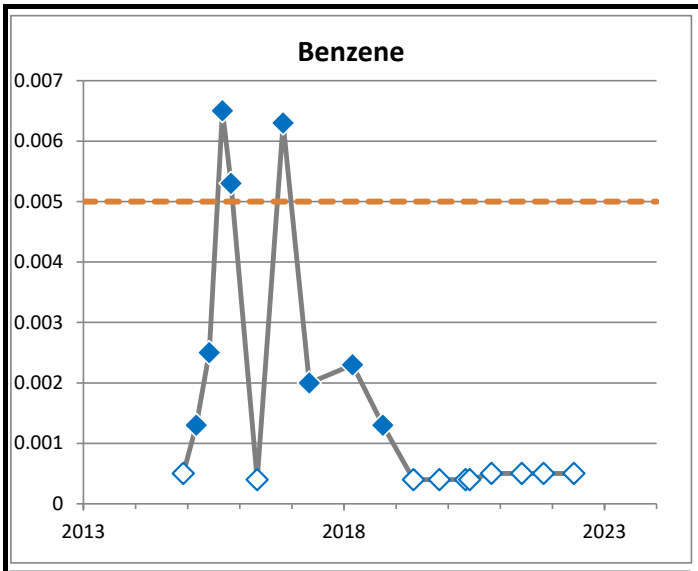
Drinking Water Guideline

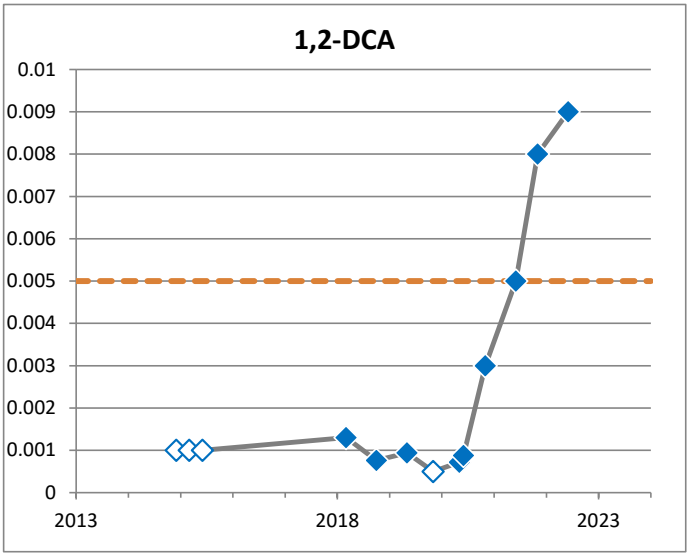
All samples are shown, including duplidates and multiple samples on the same date.

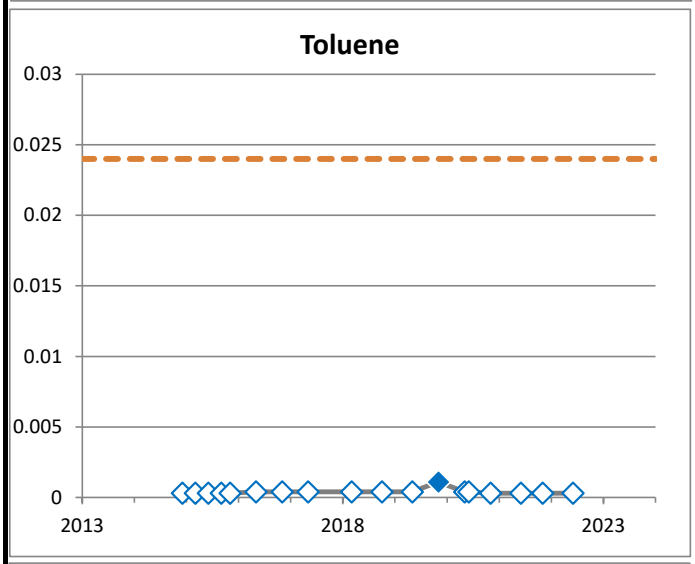
BH1953
(mg/L)

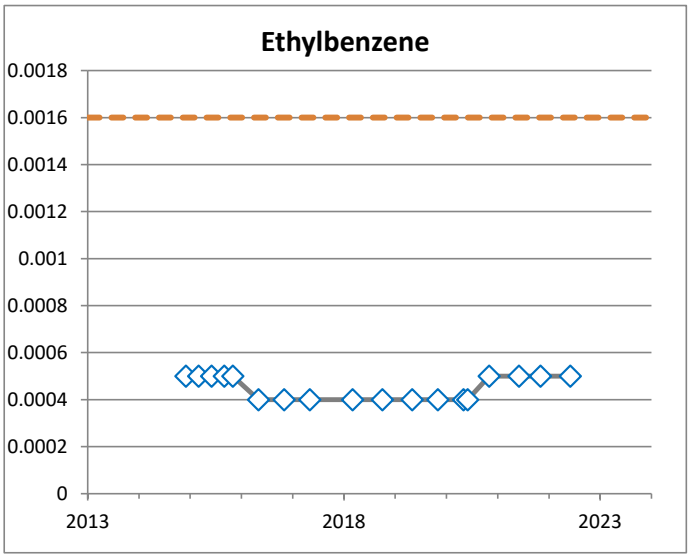
PARSONS

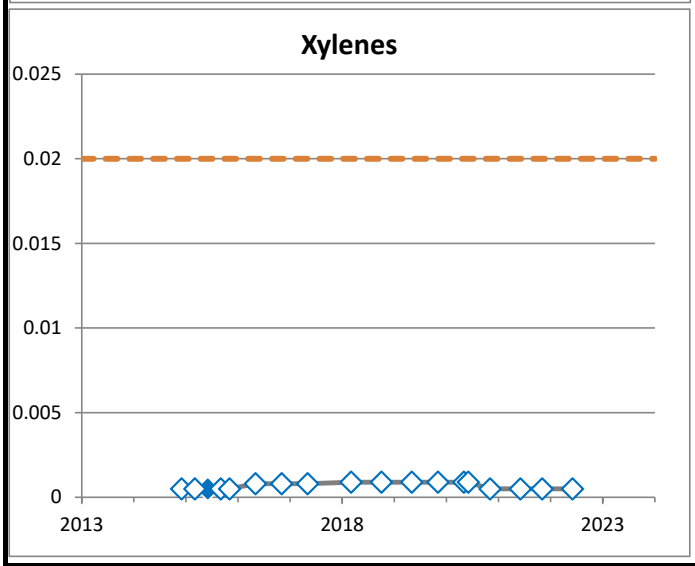
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-48	

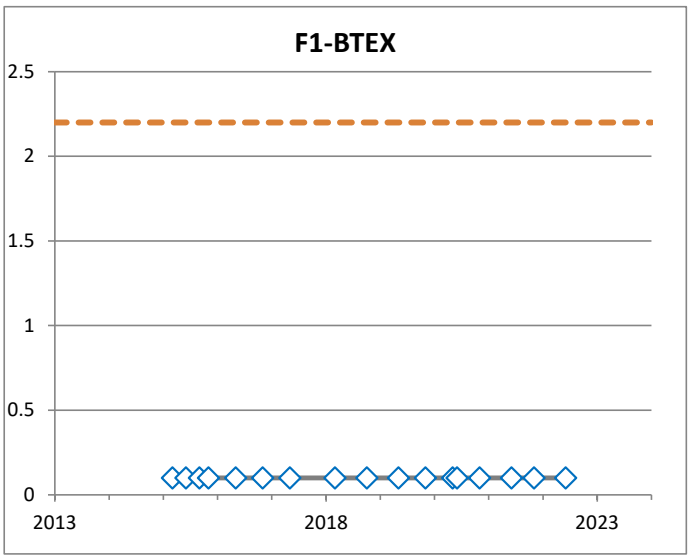












◇ Non-detect value

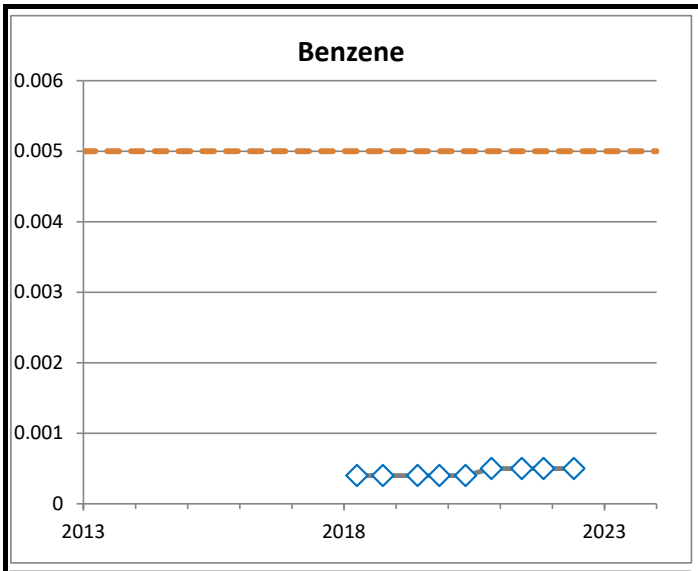
Drinking Water Guideline

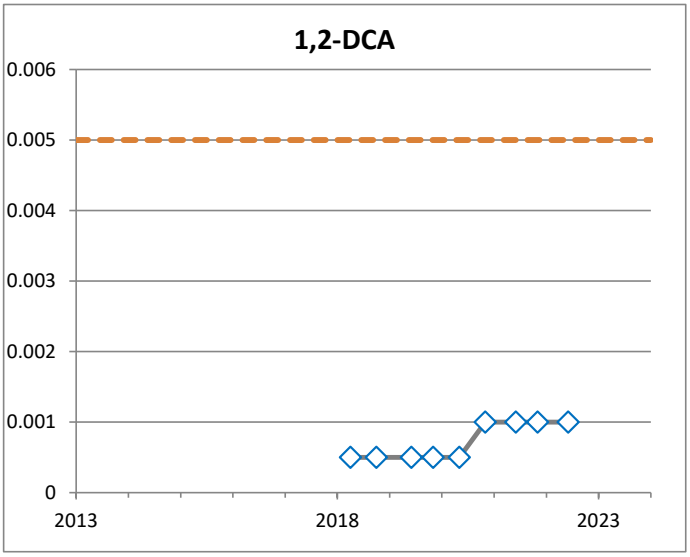
All samples are shown, including duplidates and multiple samples on the same date.

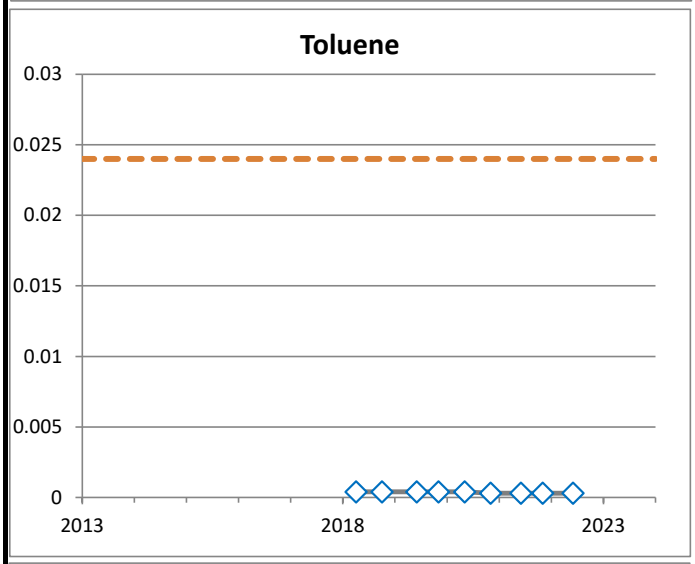
BH1954
(mg/L)

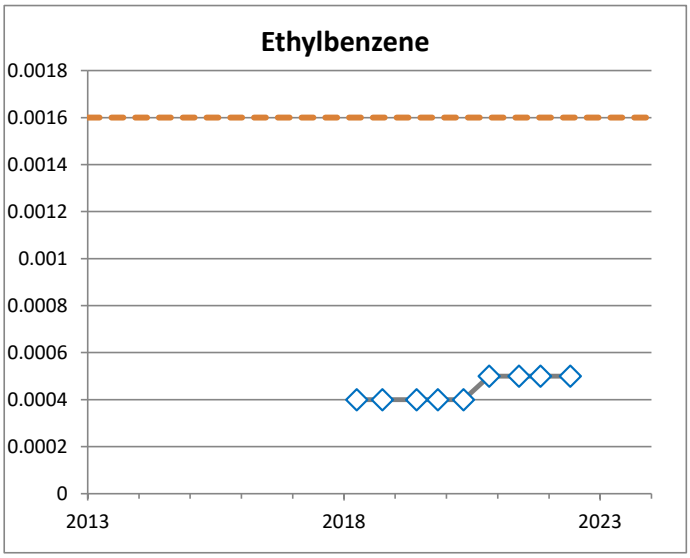
PARSONS

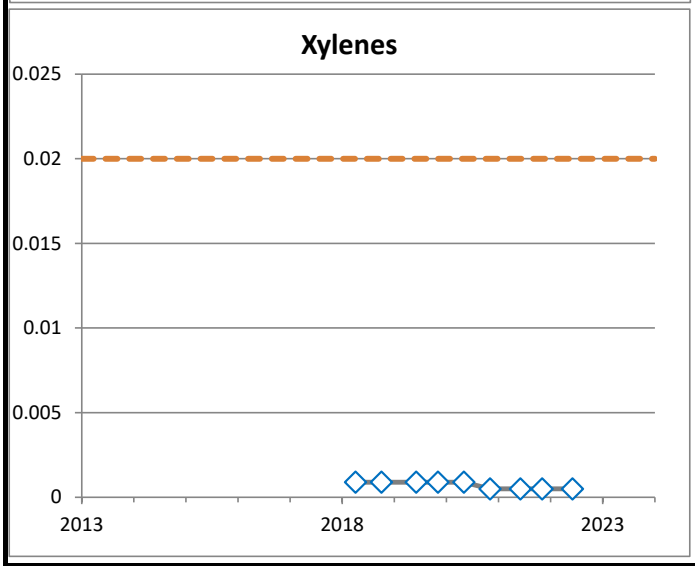
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-49	

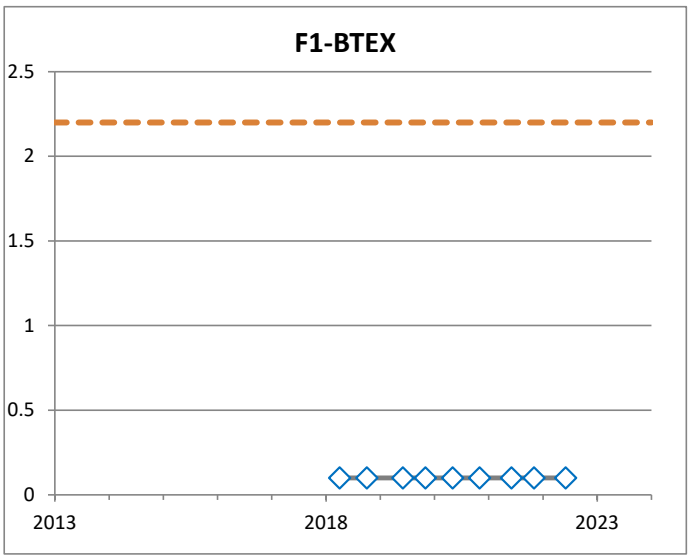












◇ Non-detect value

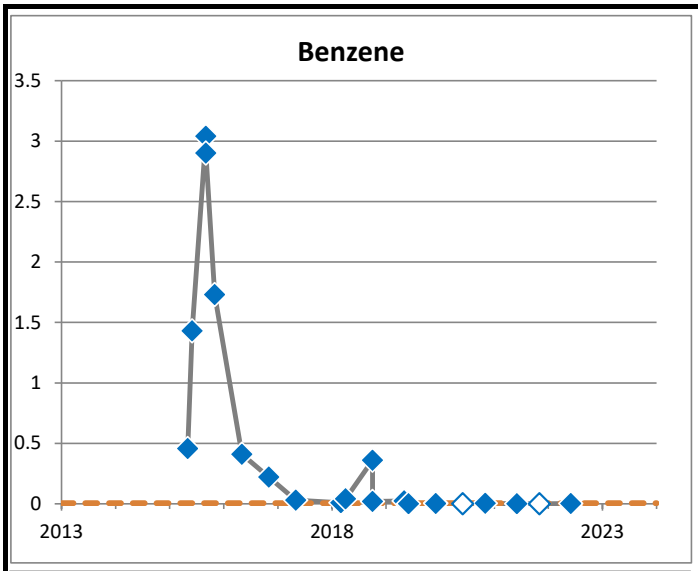
Drinking Water Guideline

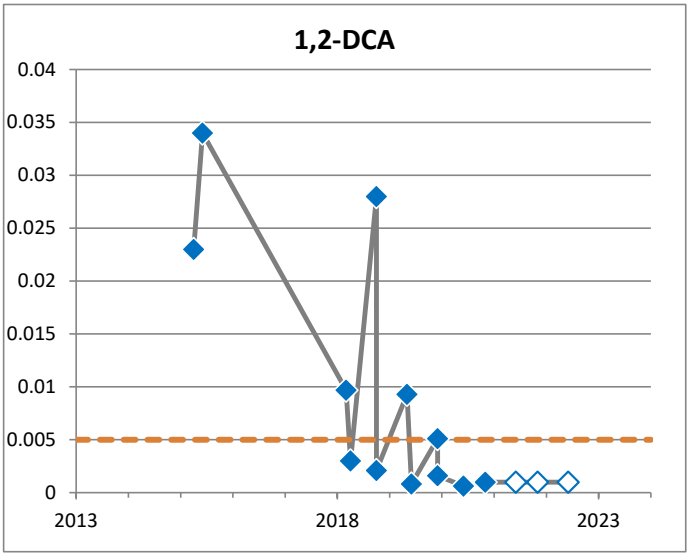
All samples are shown, including duplidates and multiple samples on the same date.

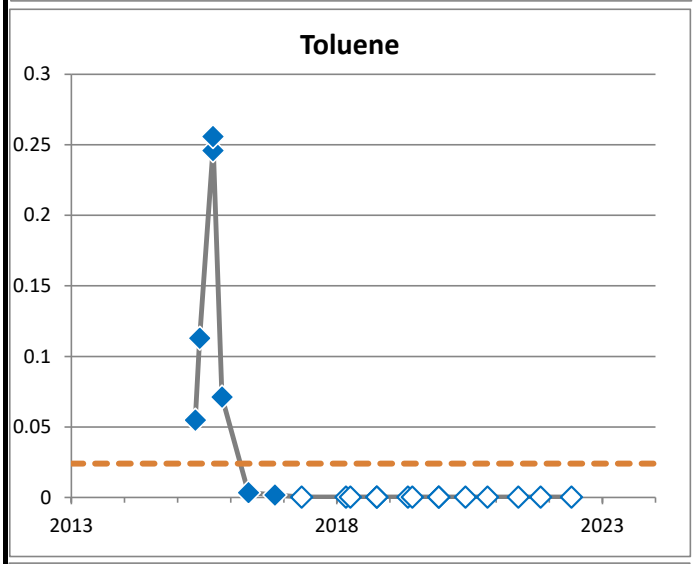
BH1955A
(mg/L)

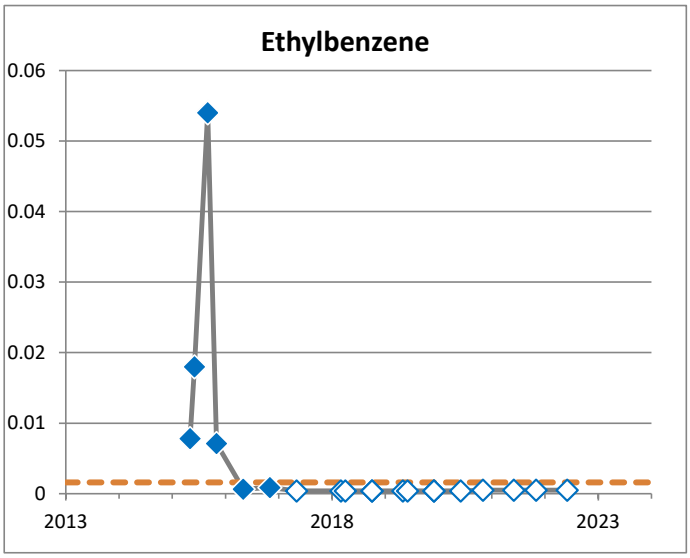
PARSONS

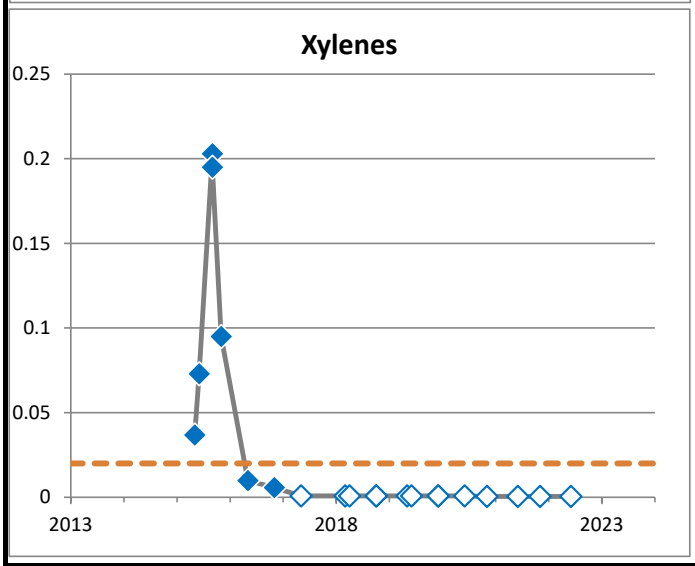
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-50	

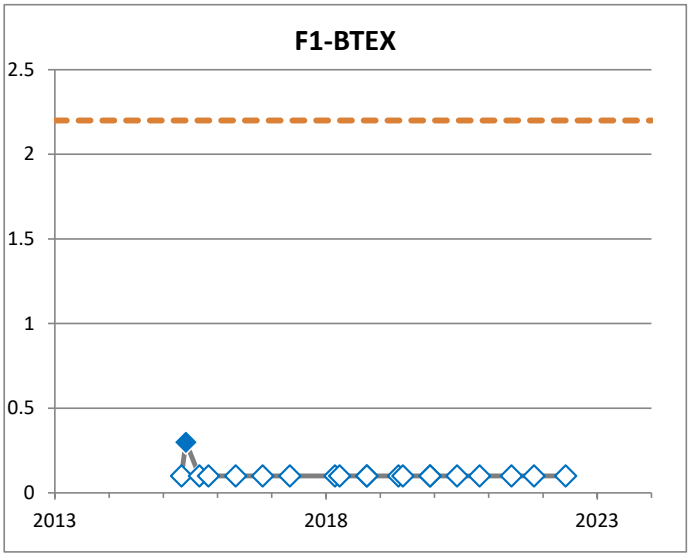












◇ Non-detect value

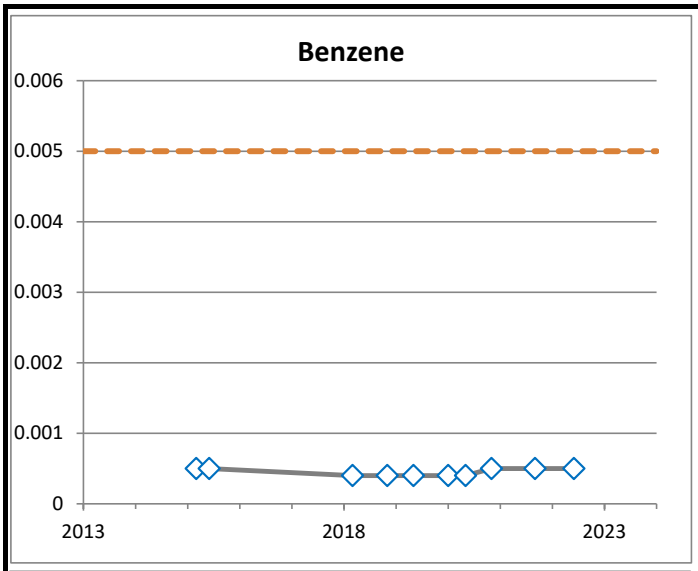
Drinking Water Guideline

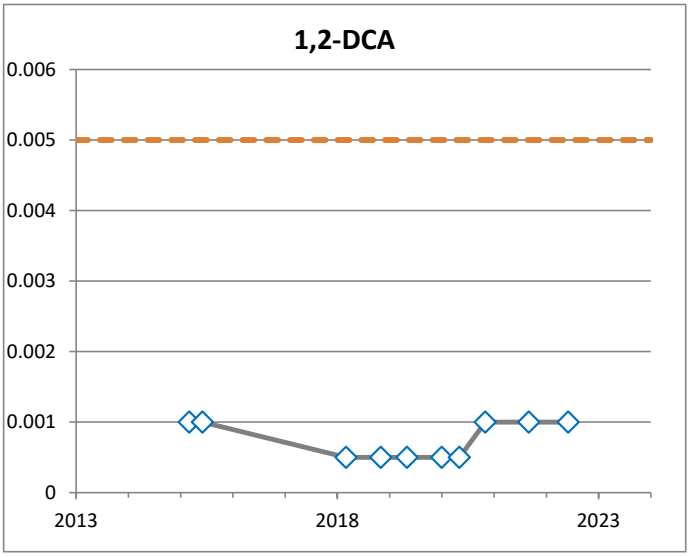
All samples are shown, including duplidates and multiple samples on the same date.

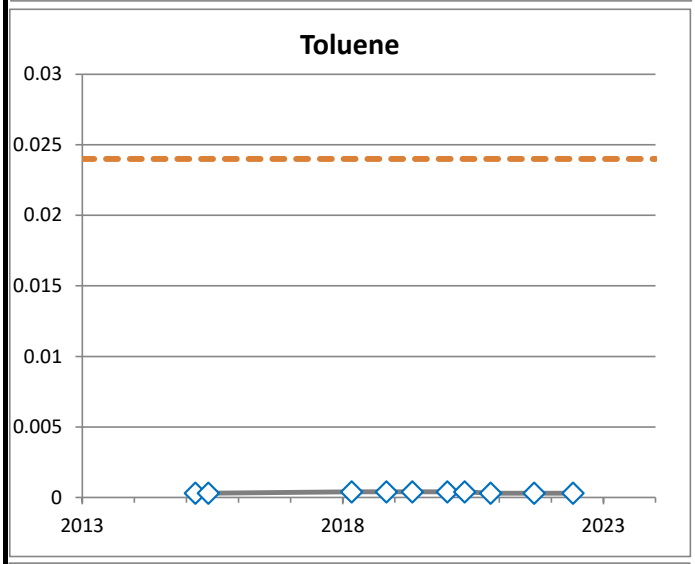
BH1956
(mg/L)

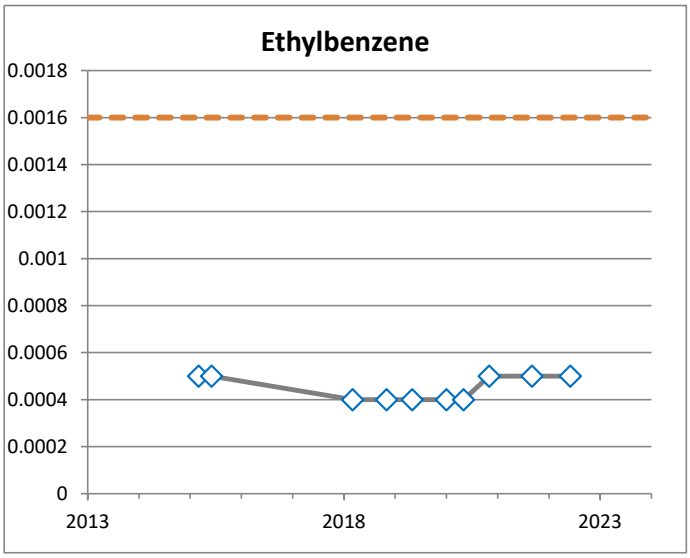
PARSONS

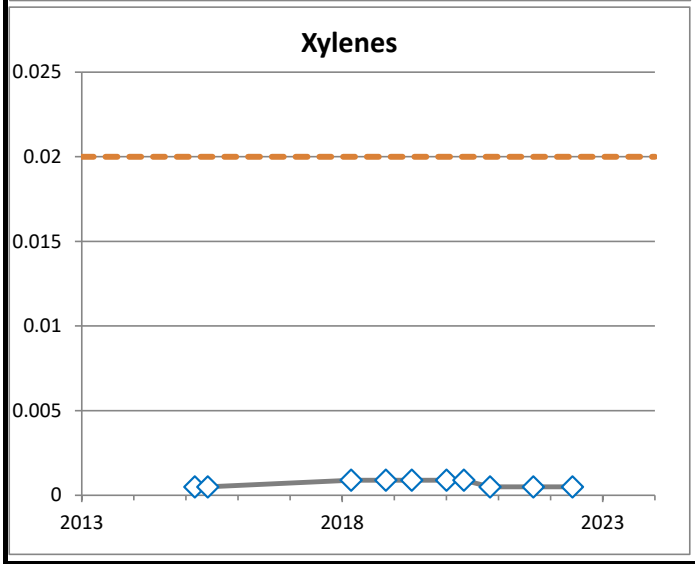
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-51	

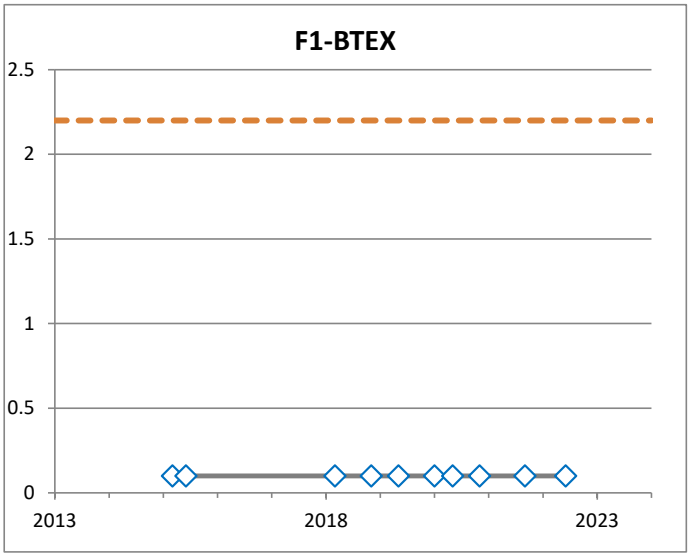












◇ Non-detect value

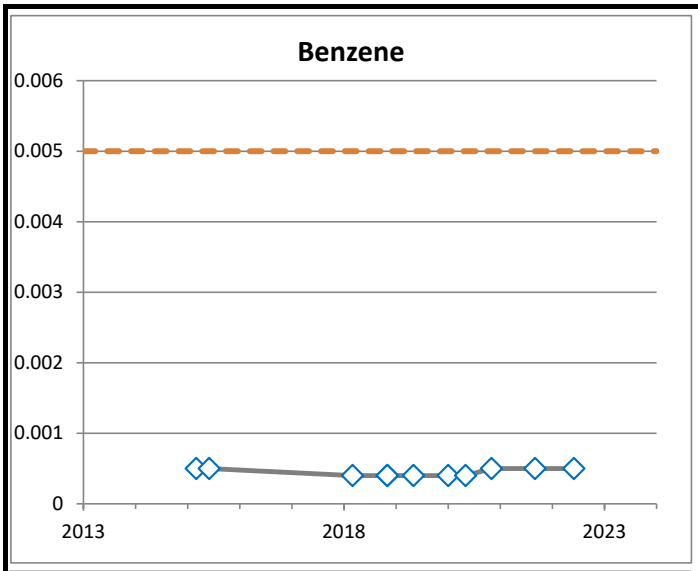
Drinking Water Guideline

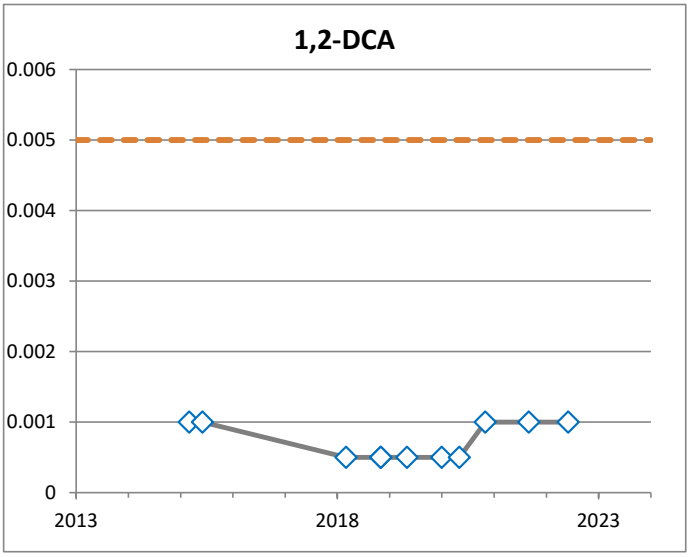
All samples are shown, including duplidates and multiple samples on the same date.

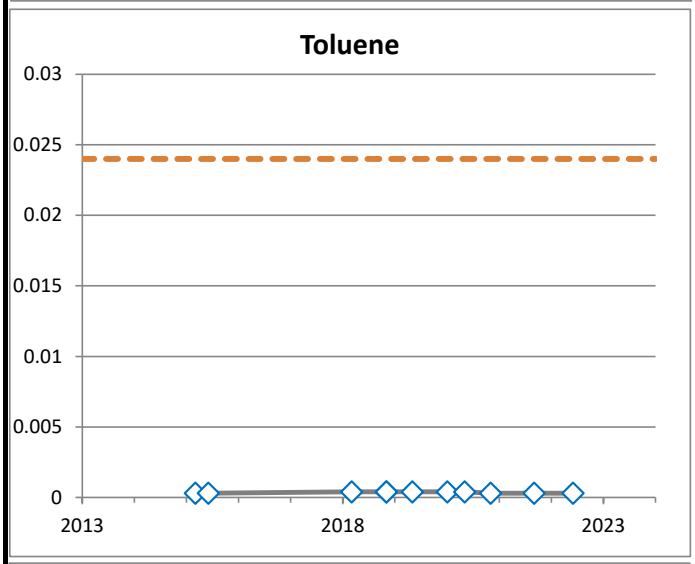
BH1957
(mg/L)

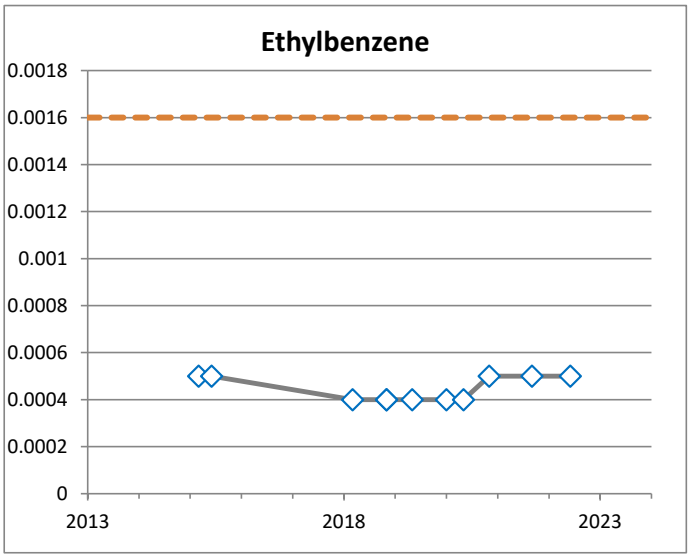
PARSONS

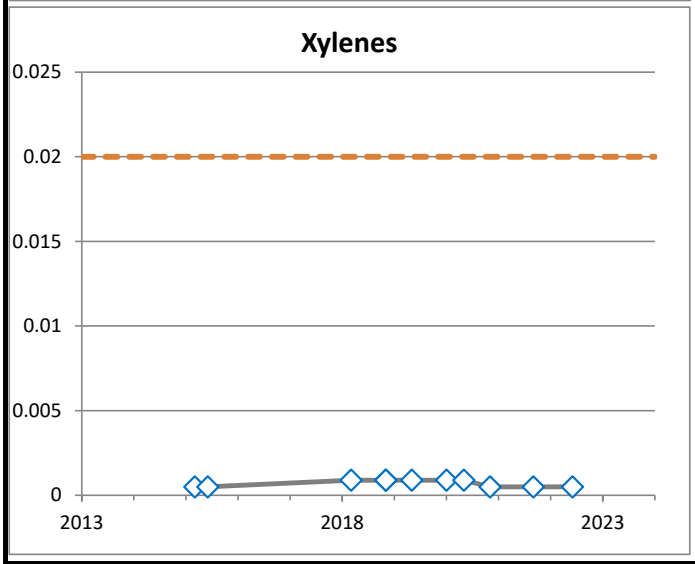
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-52		

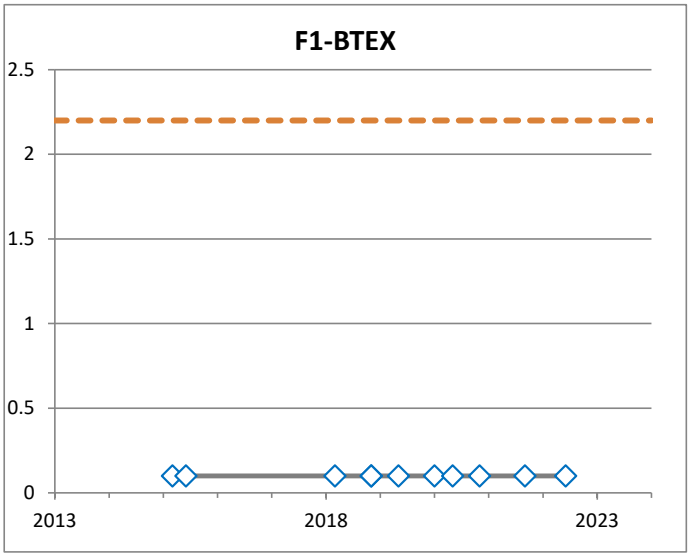












◇ Non-detect value

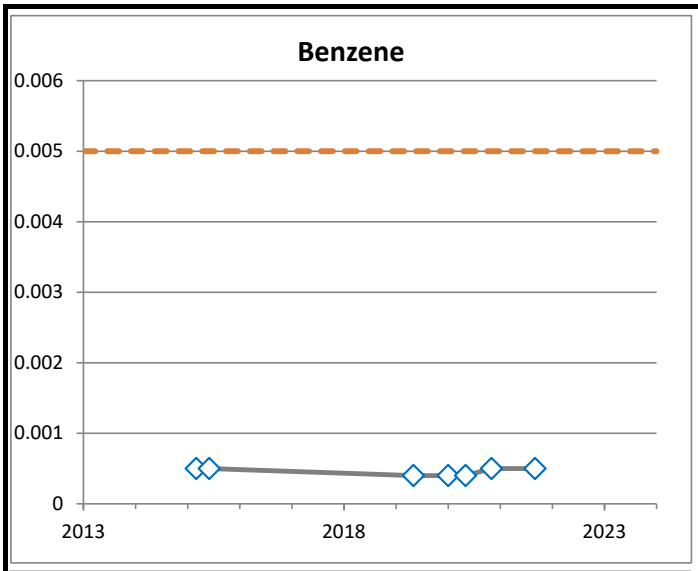
Drinking Water Guideline

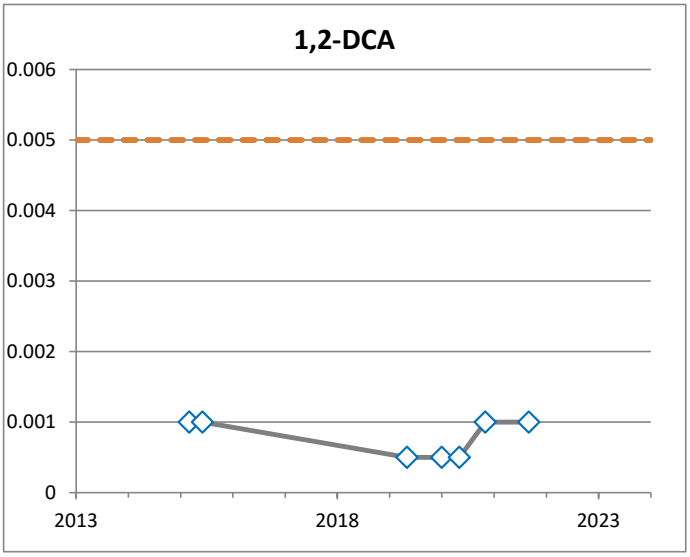
All samples are shown, including duplidates and multiple samples on the same date.

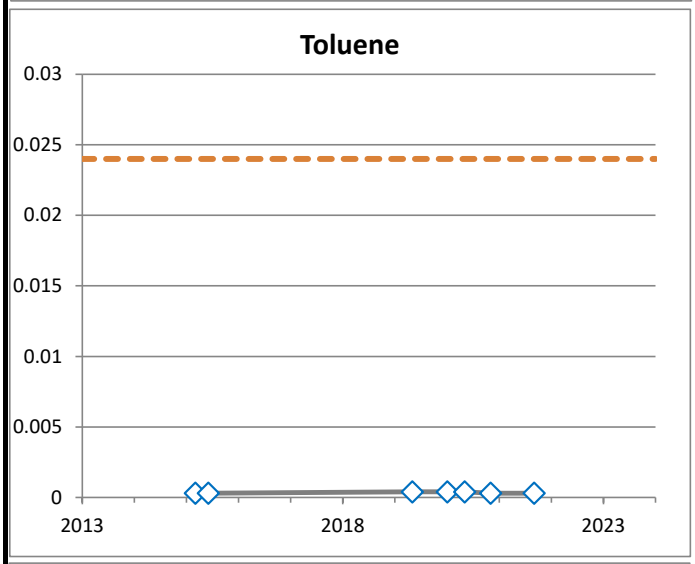
BH1958
(mg/L)

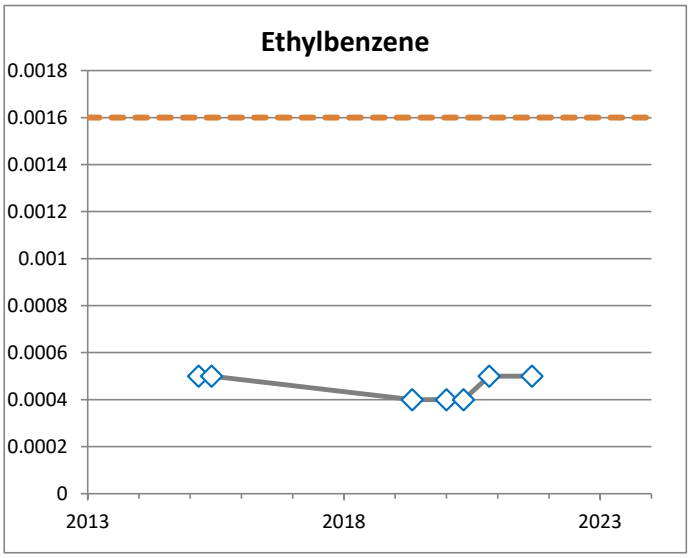
PARSONS

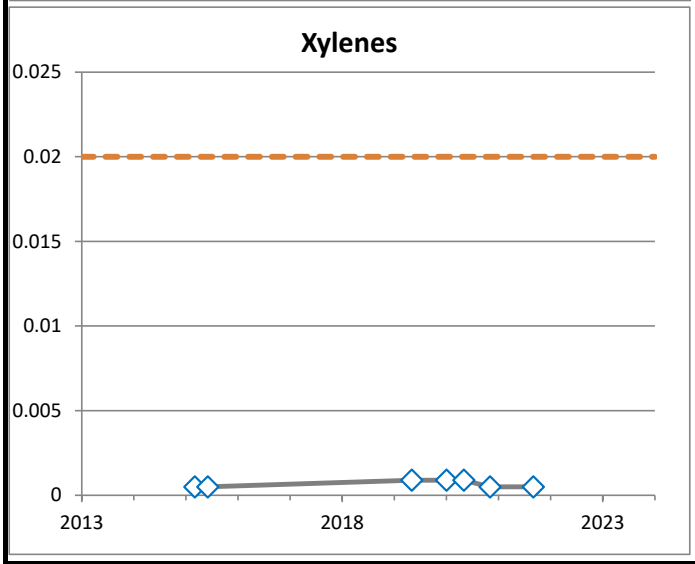
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-53	

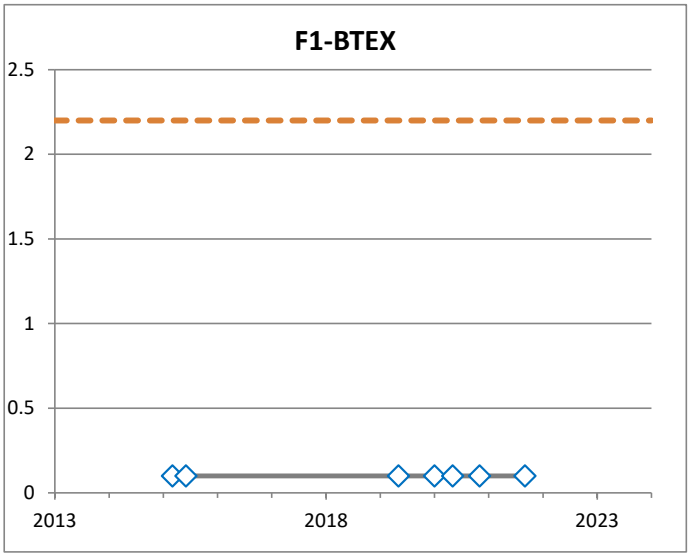












◇ Non-detect value

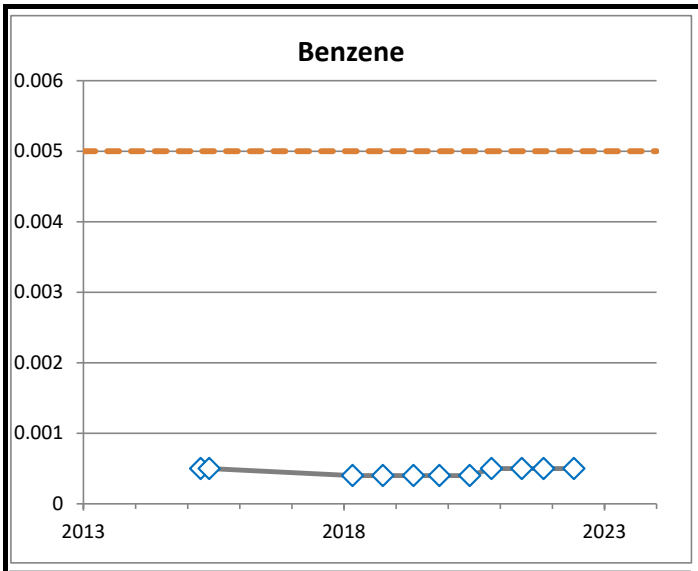
Drinking Water Guideline

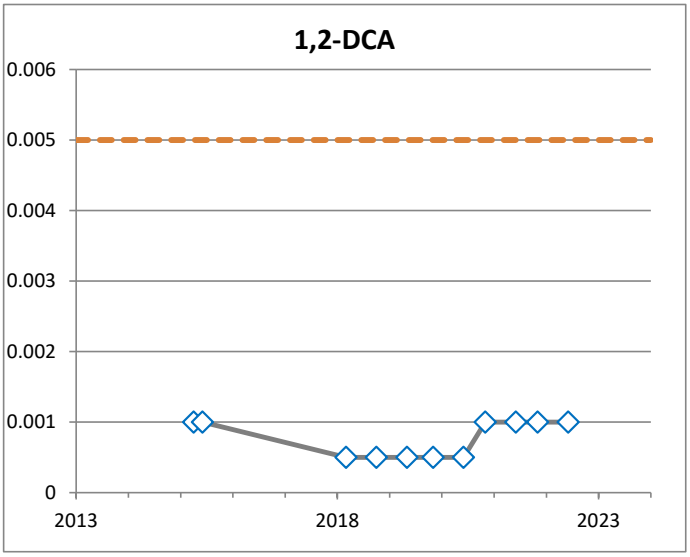
All samples are shown, including duplidates and multiple samples on the same date.

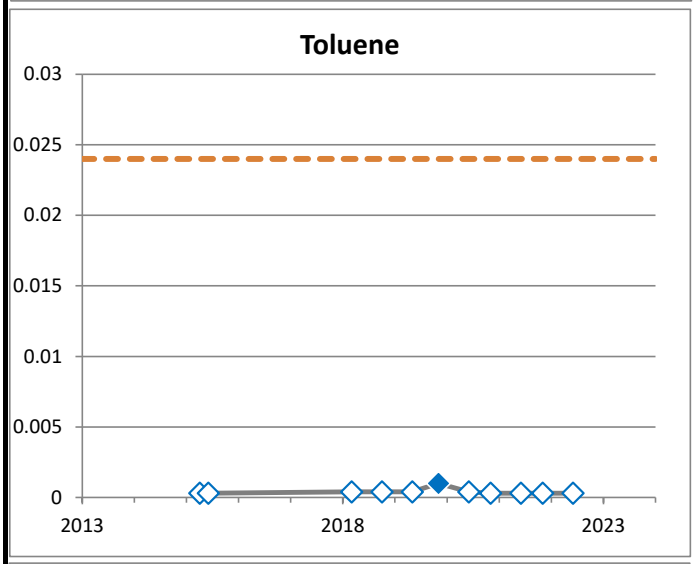
BH1959
(mg/L)

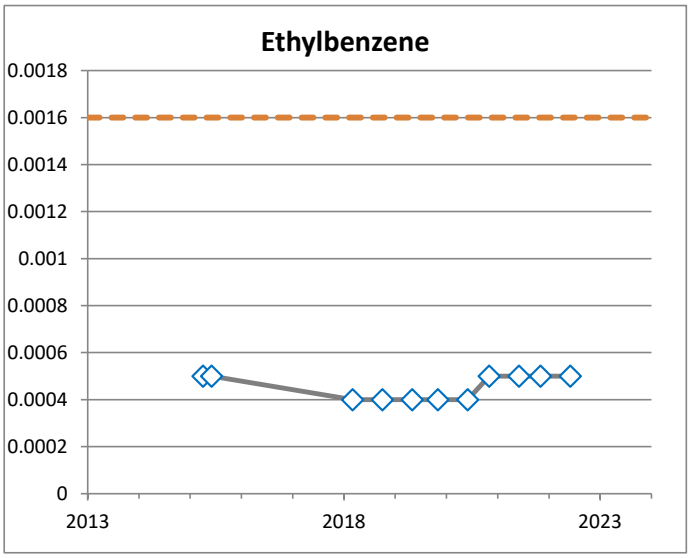
PARSONS

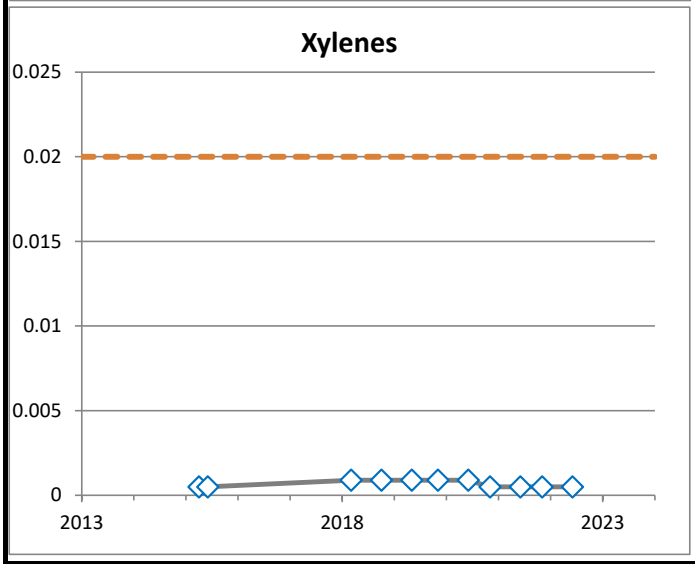
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-54	

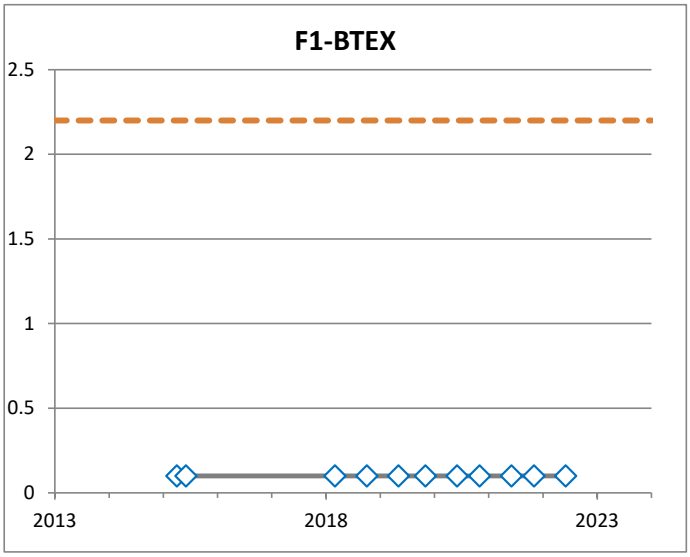












◇ Non-detect value

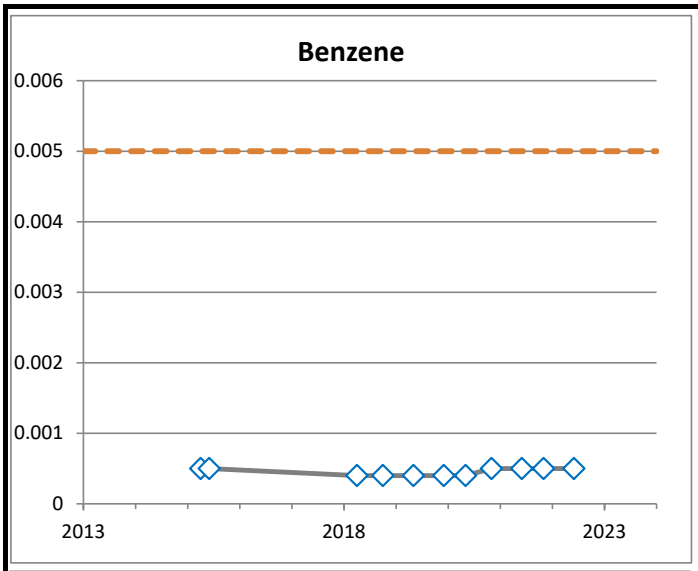
Drinking Water Guideline

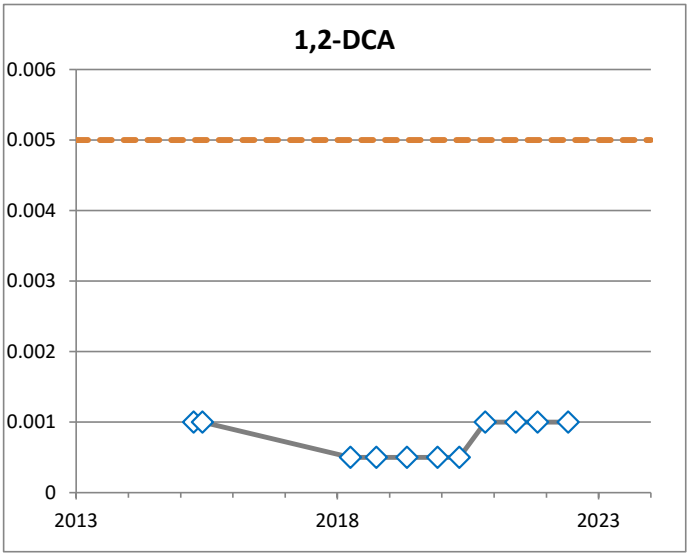
All samples are shown, including duplidates and multiple samples on the same date.

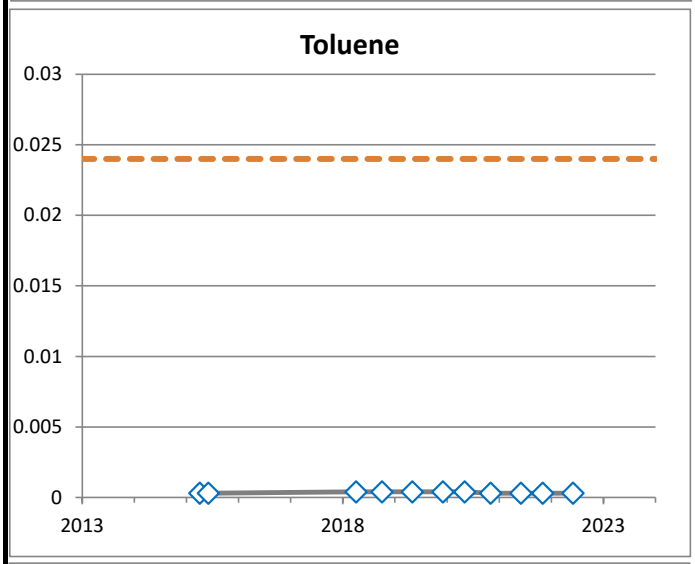
BH1961
(mg/L)

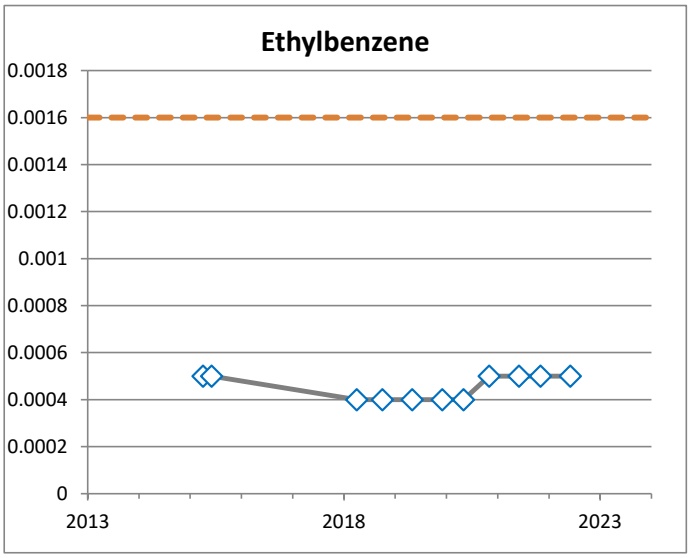
PARSONS

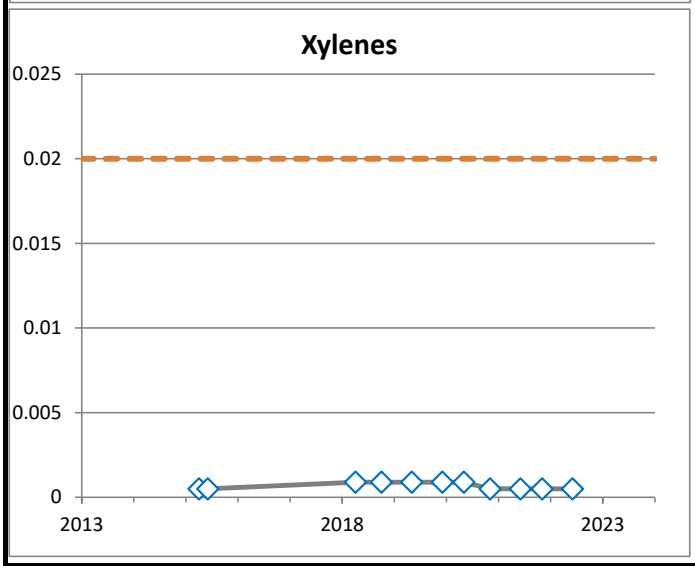
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-55		

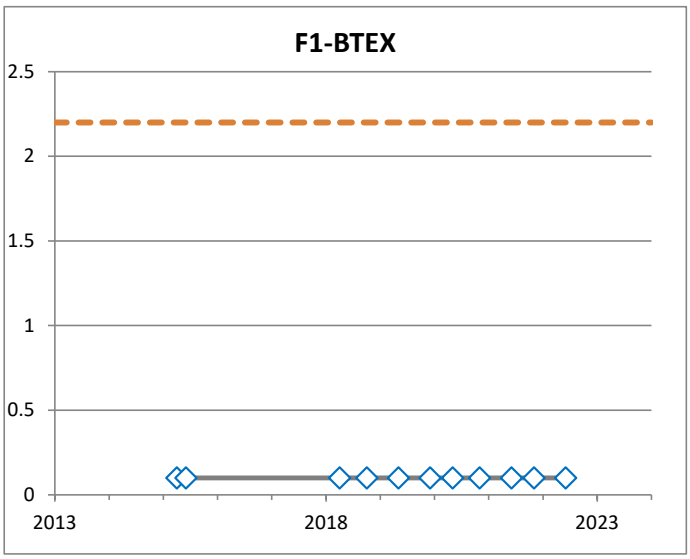












◇ Non-detect value

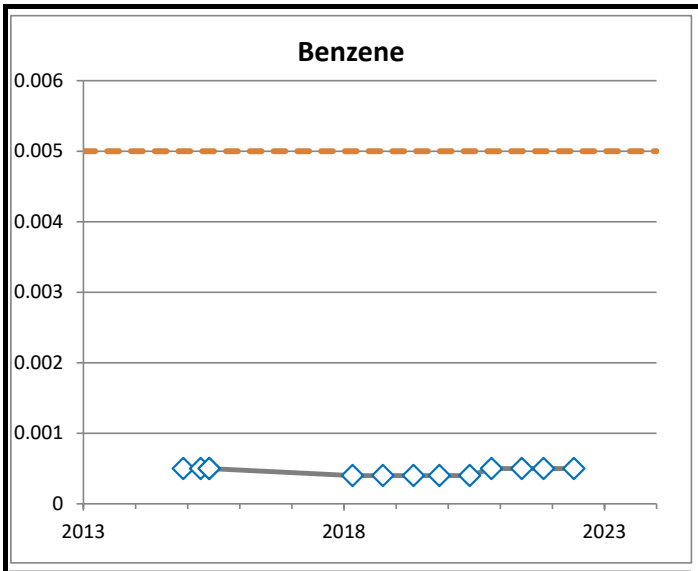
Drinking Water Guideline

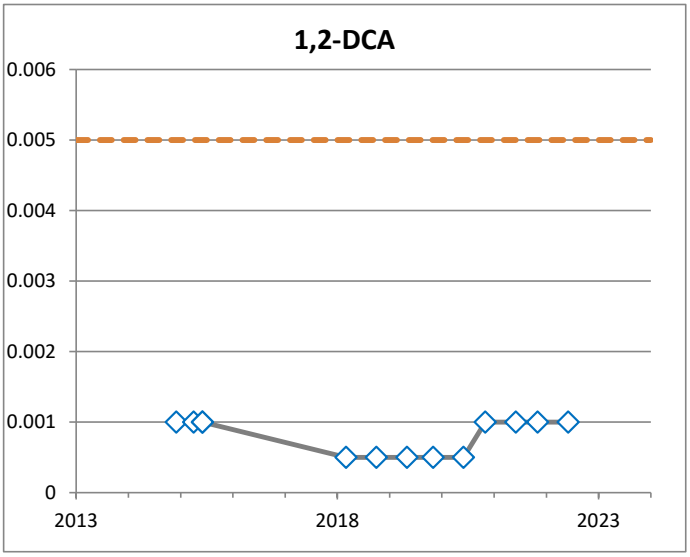
All samples are shown, including duplidates and multiple samples on the same date.

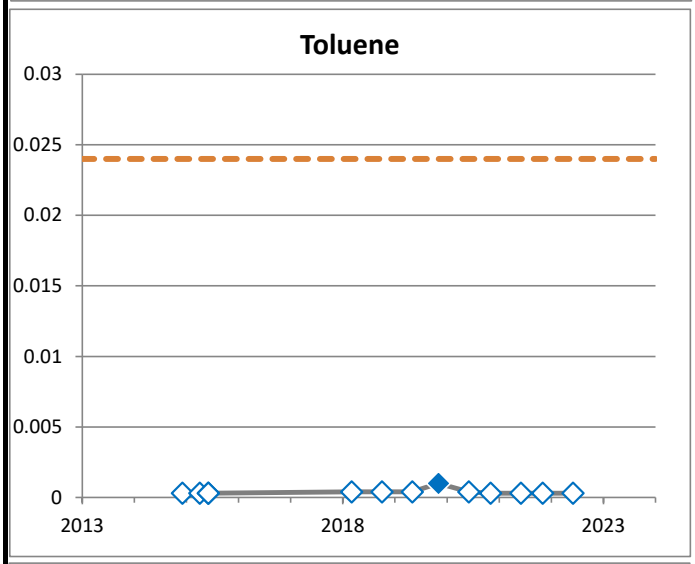
BH1962
(mg/L)

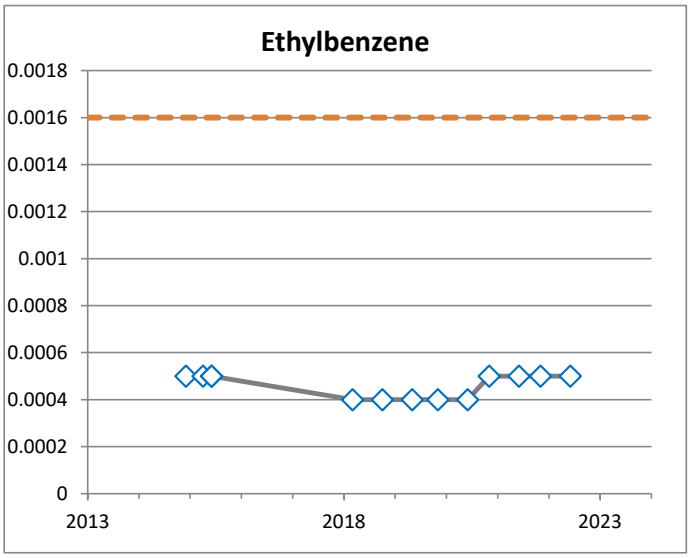
PARSONS

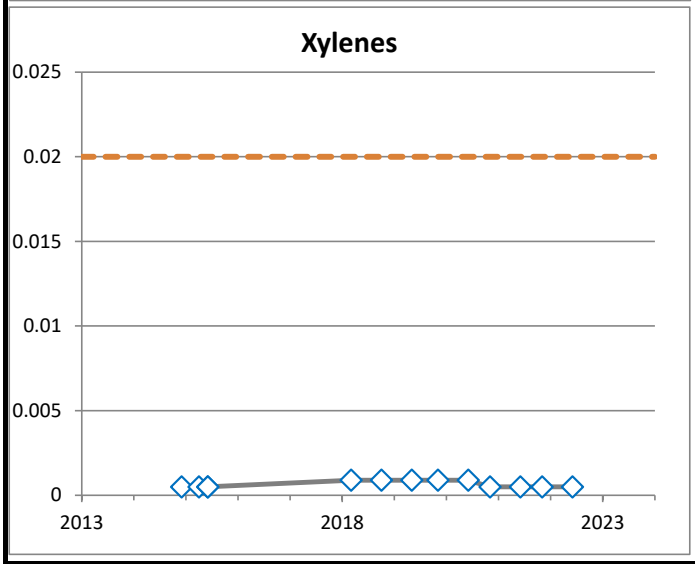
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-56	

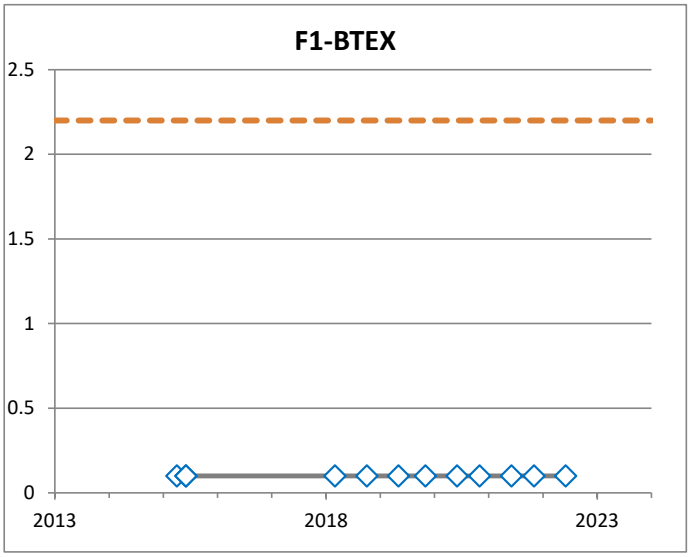












◇ Non-detect value

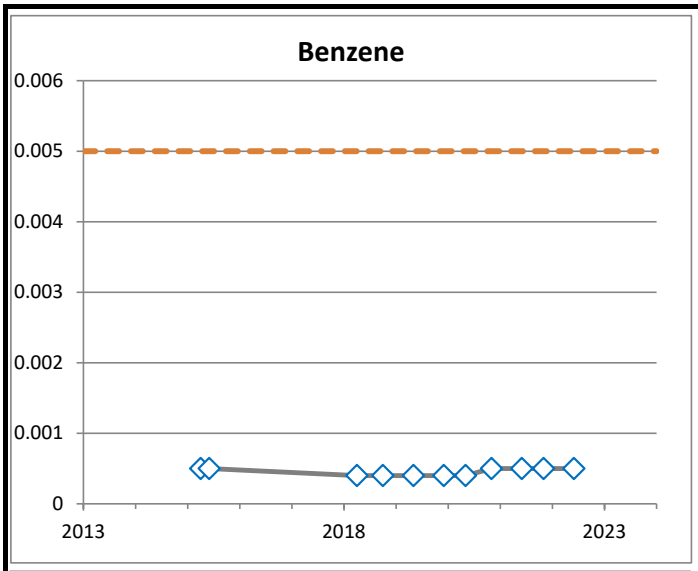
Drinking Water Guideline

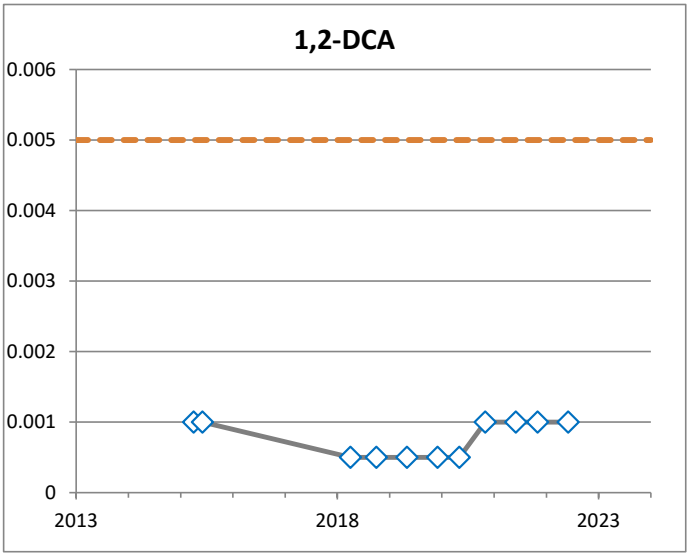
All samples are shown, including duplidates and multiple samples on the same date.

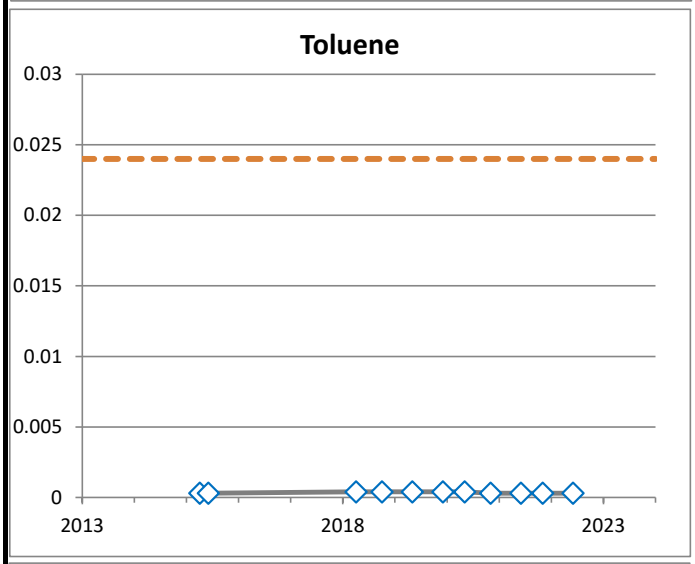
BH1963
(mg/L)

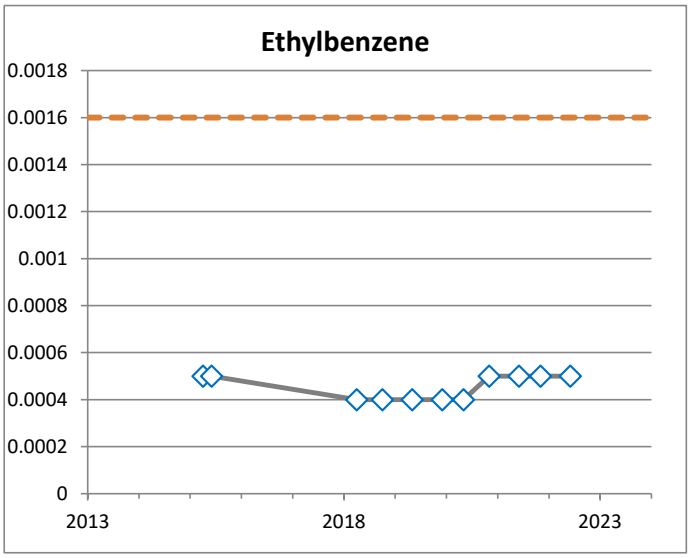
PARSONS

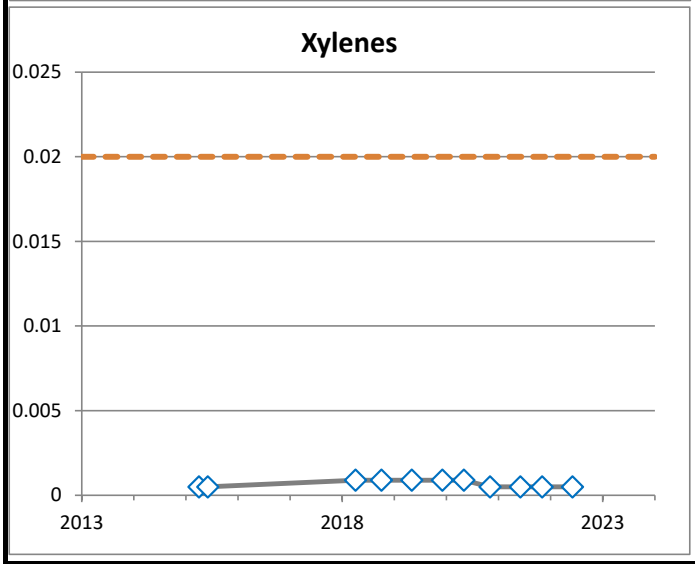
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-57		

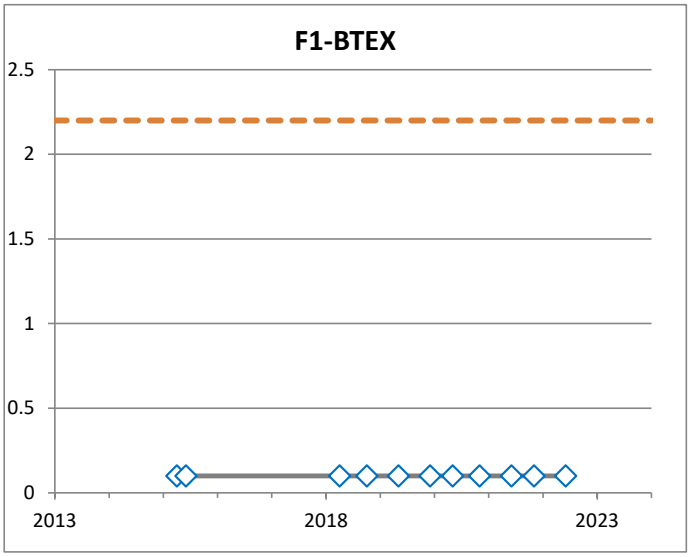












◇ Non-detect value

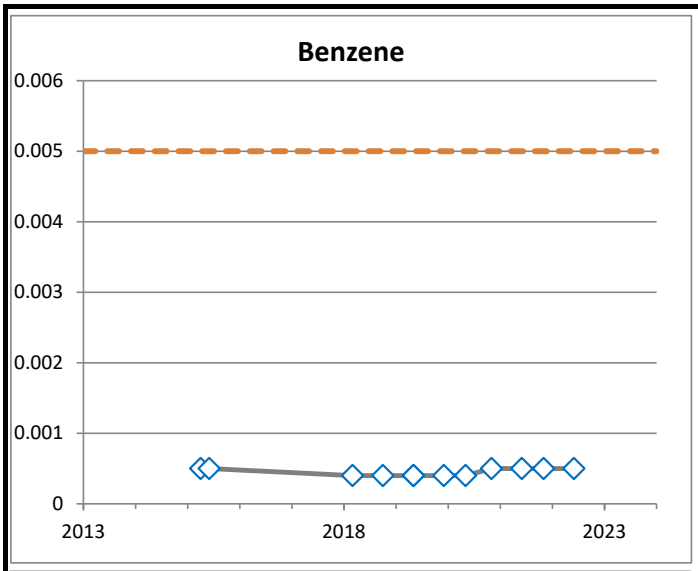
Drinking Water Guideline

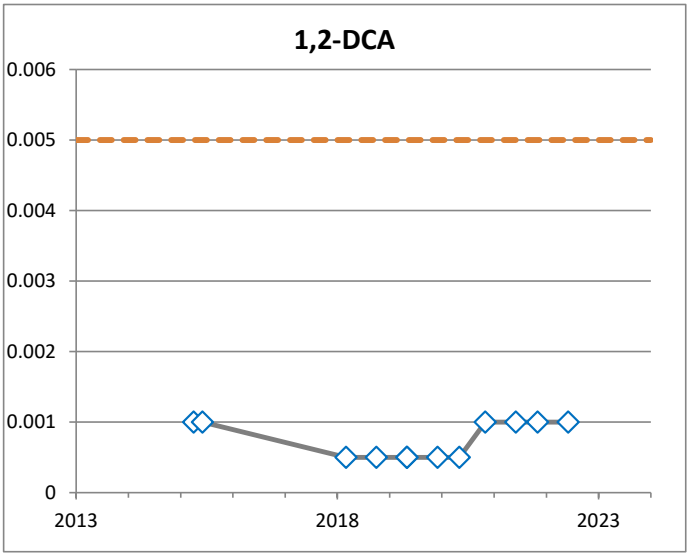
All samples are shown, including duplidates and multiple samples on the same date.

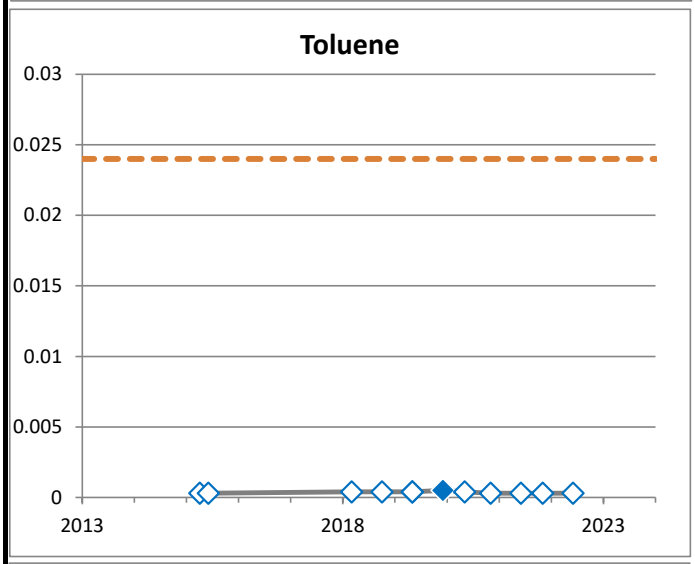
BH1964
(mg/L)

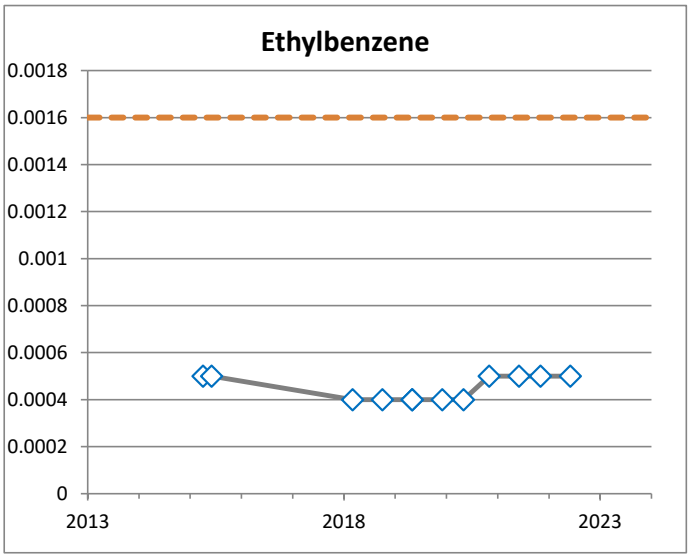
PARSONS

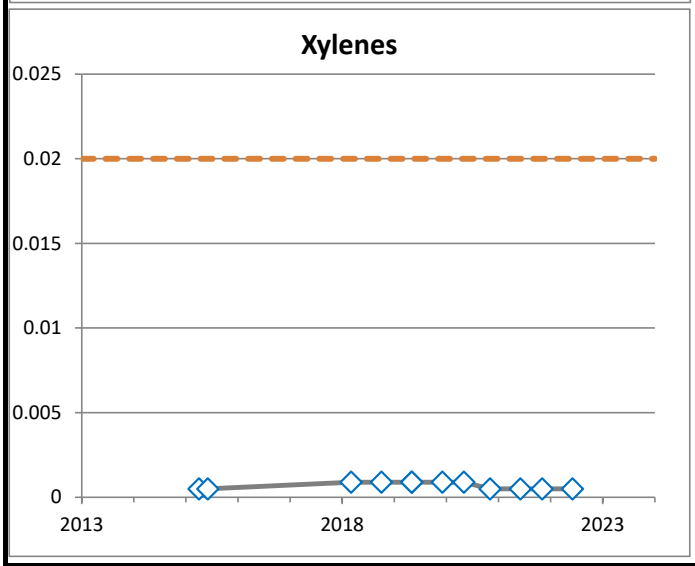
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-58		

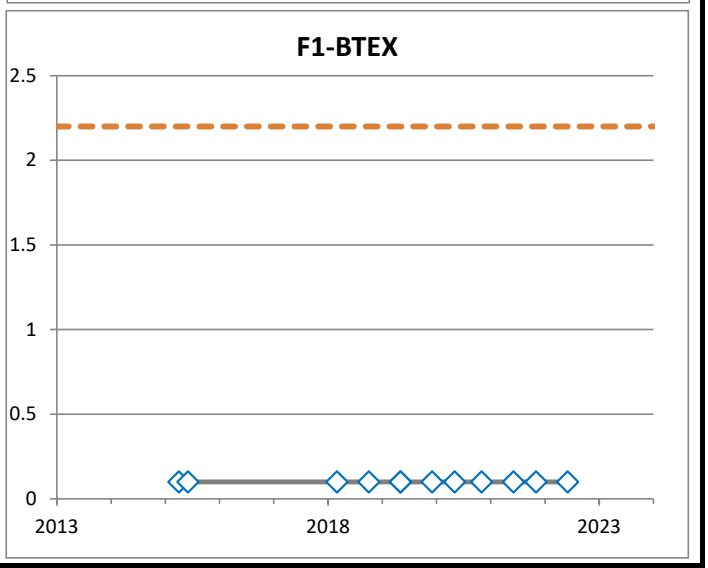












◇ Non-detect value

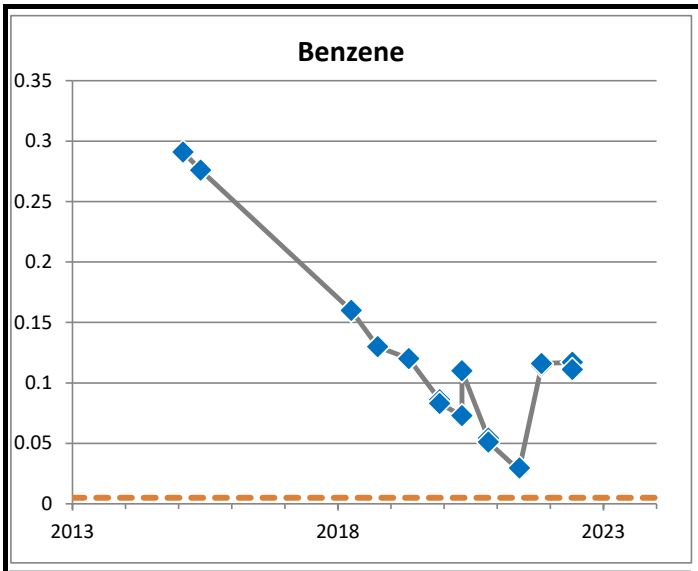
Drinking Water Guideline

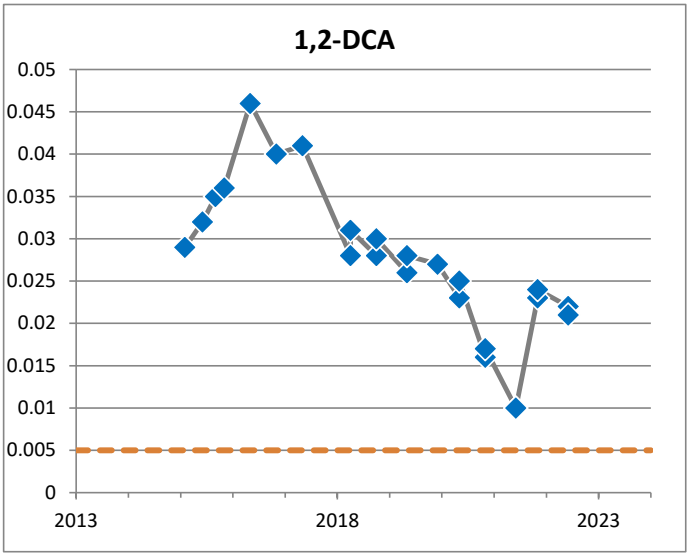
All samples are shown, including duplidates and multiple samples on the same date.

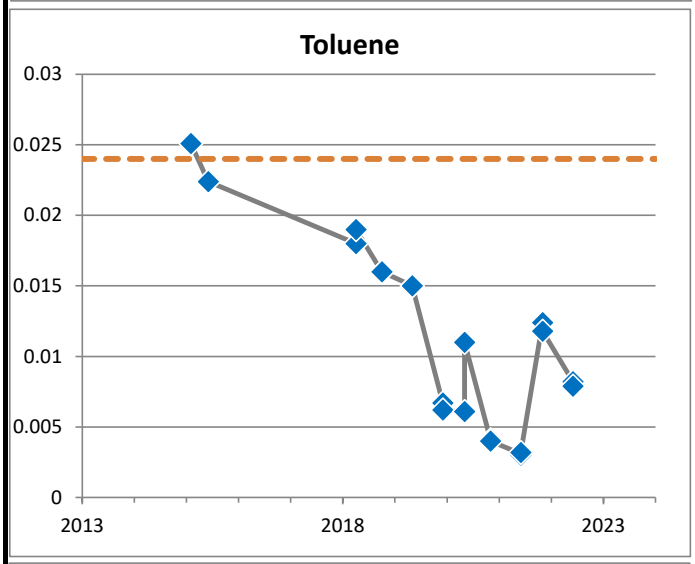
BH1966
(mg/L)

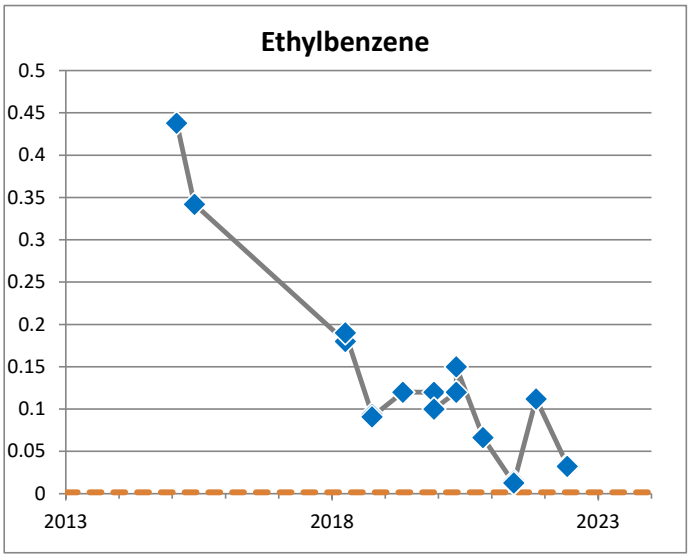
PARSONS

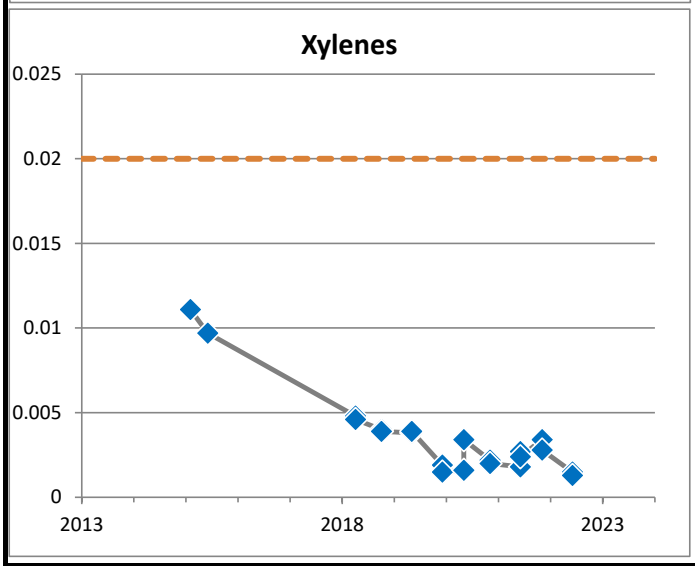
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-59		

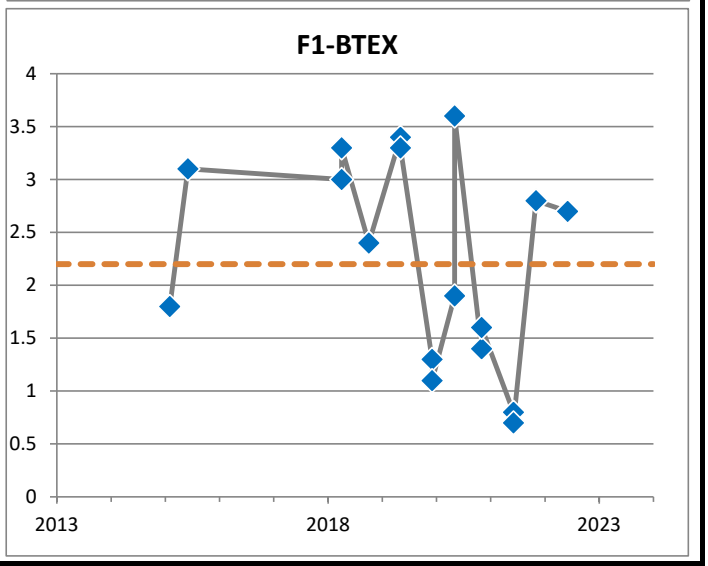












◇ Non-detect value

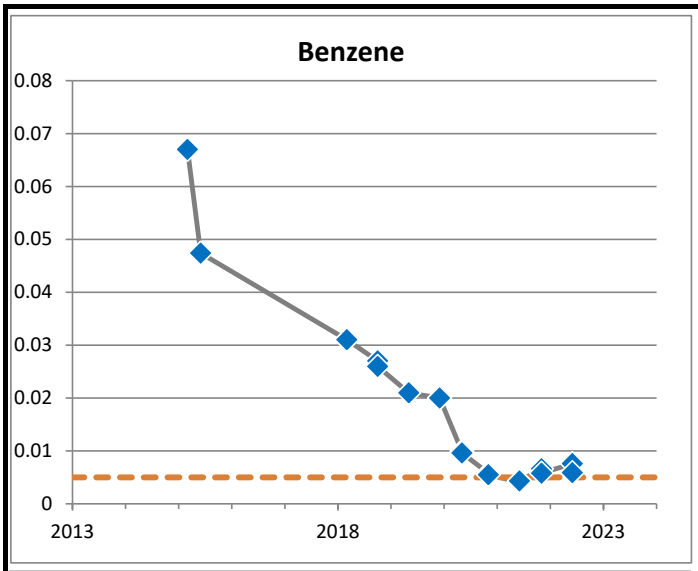
Drinking Water Guideline

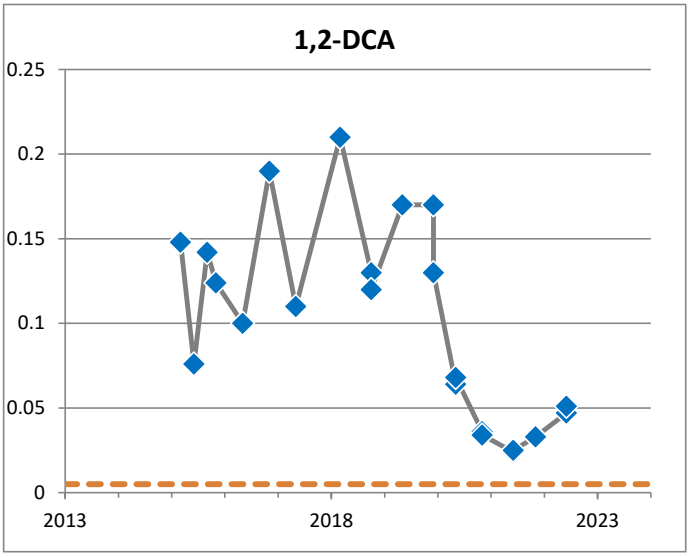
All samples are shown, including duplidates and multiple samples on the same date.

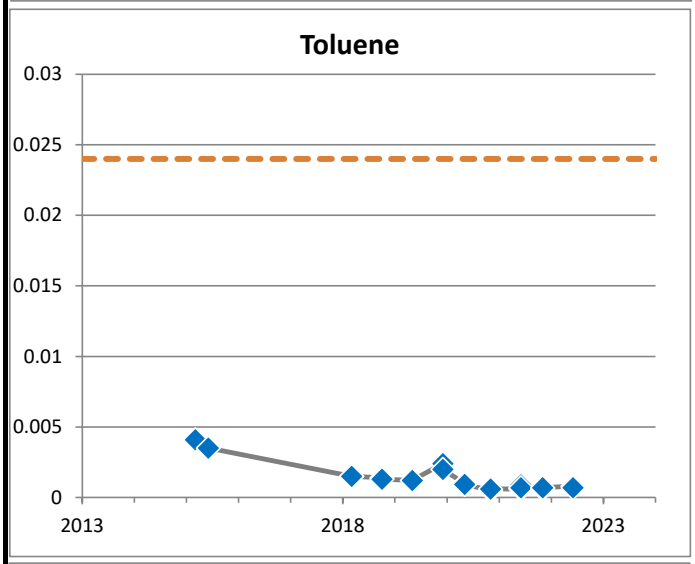
BH1967
(mg/L)

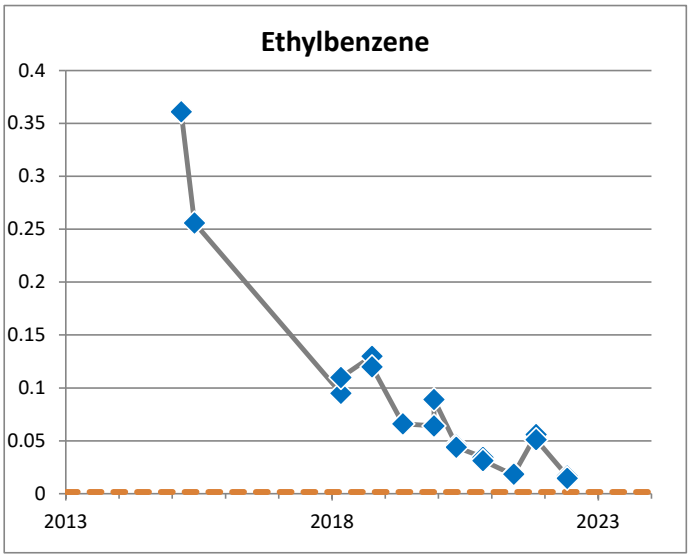
PARSONS

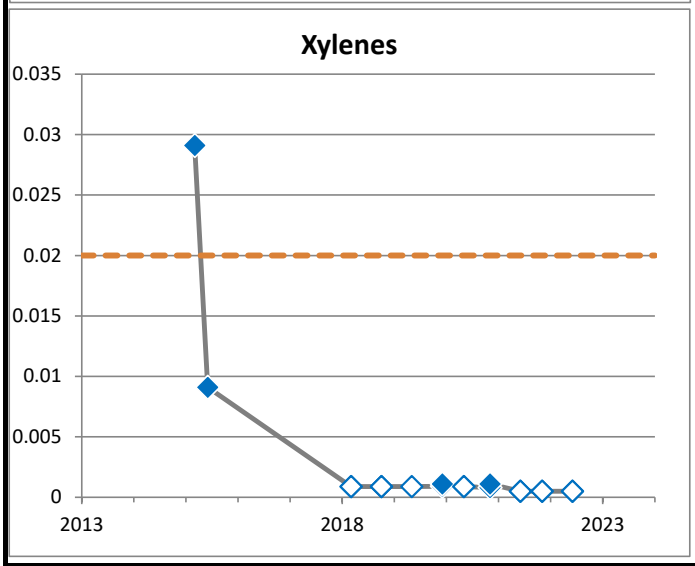
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-60	

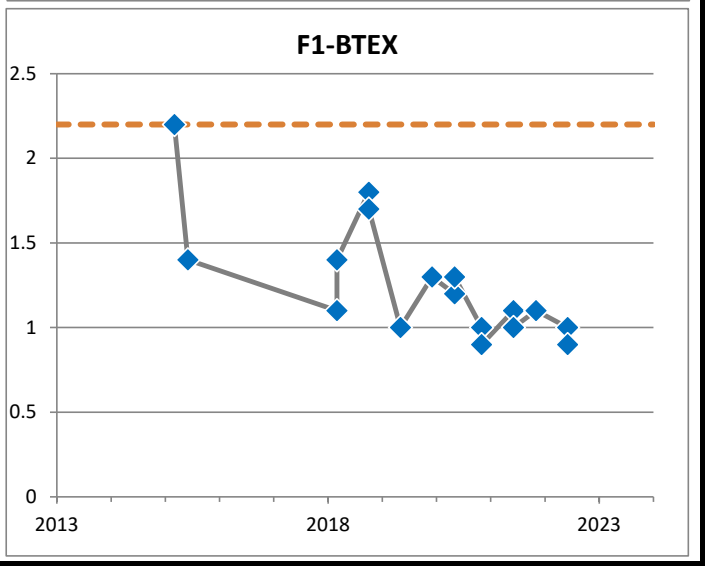












◇ Non-detect value

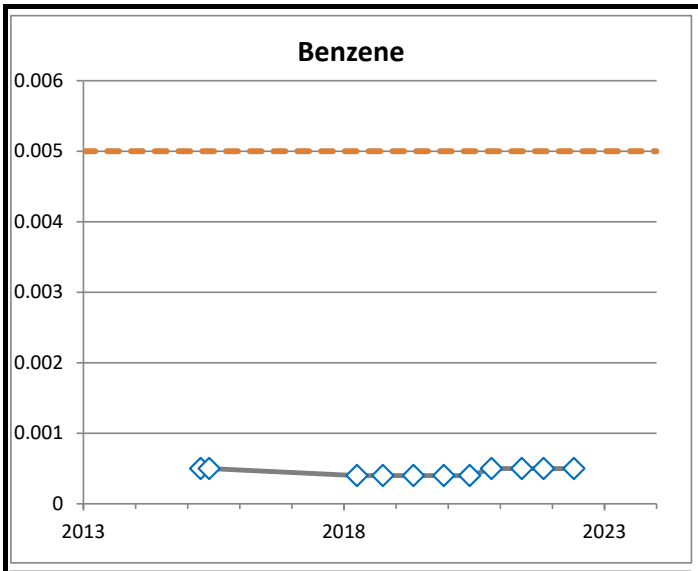
Drinking Water Guideline

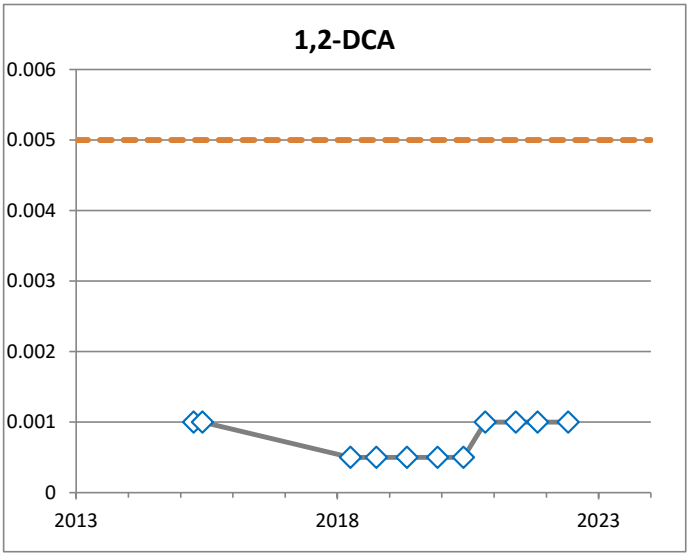
All samples are shown, including duplidates and multiple samples on the same date.

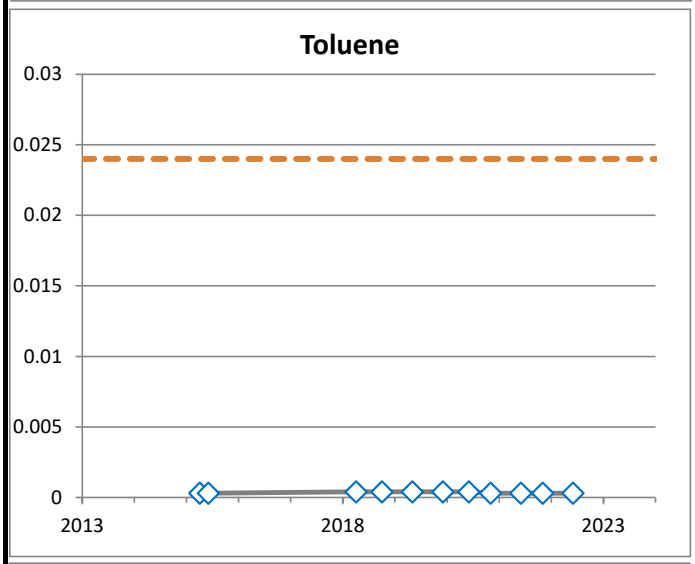
BH1971
(mg/L)

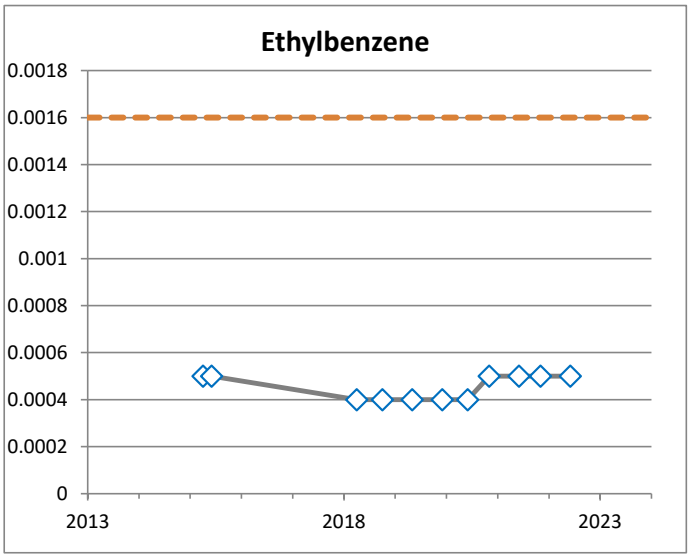
PARSONS

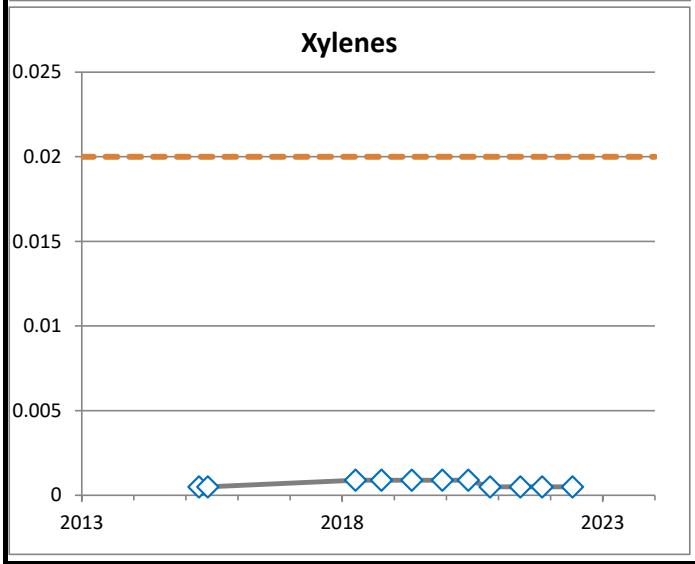
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-61	

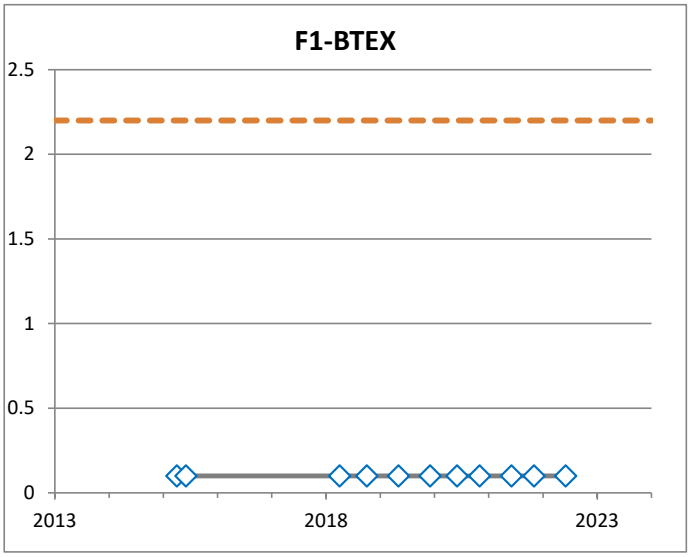












◇ Non-detect value

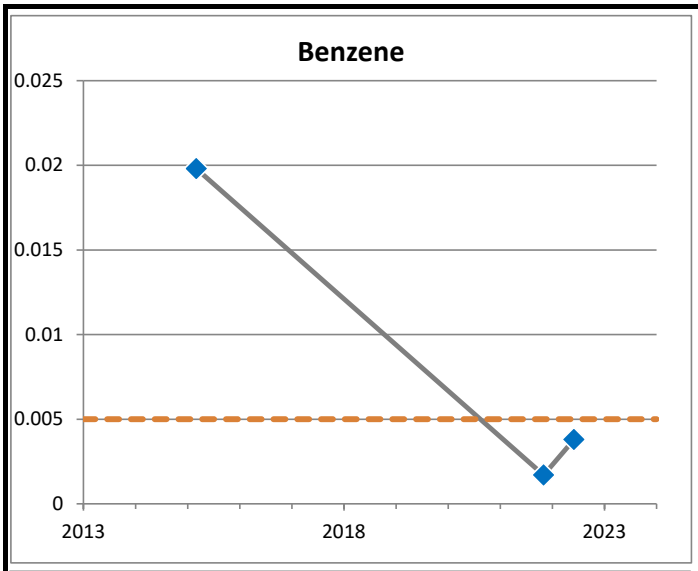
Drinking Water Guideline

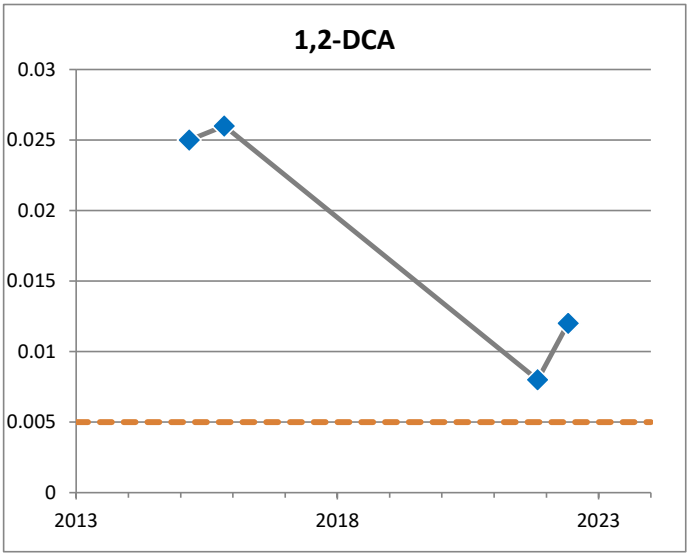
All samples are shown, including duplidates and multiple samples on the same date.

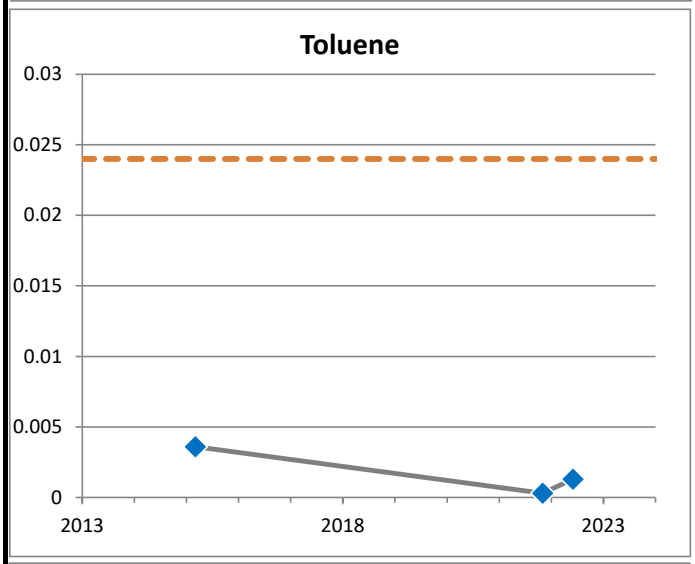
BH1972
(mg/L)

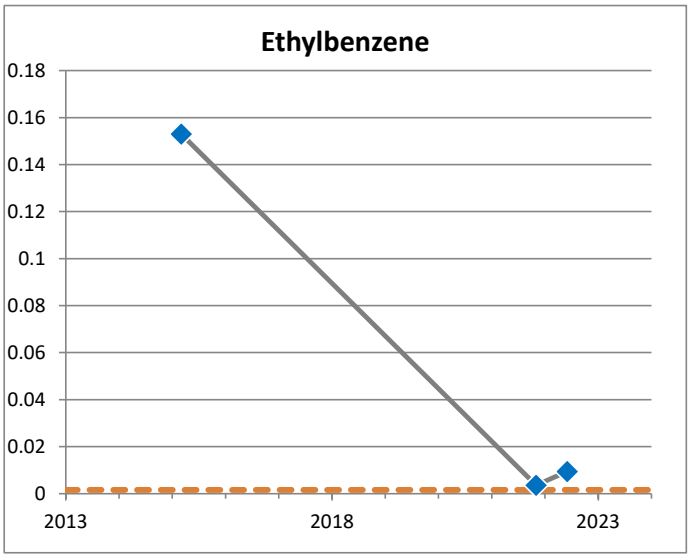
PARSONS

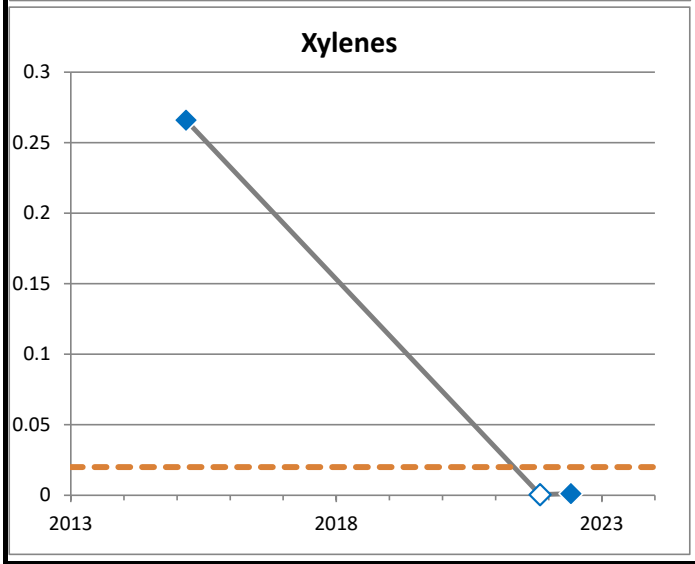
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-62		

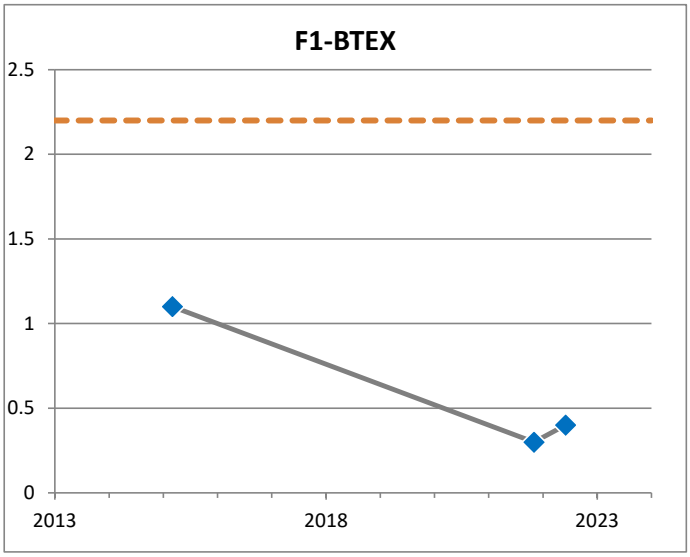












◇ Non-detect value

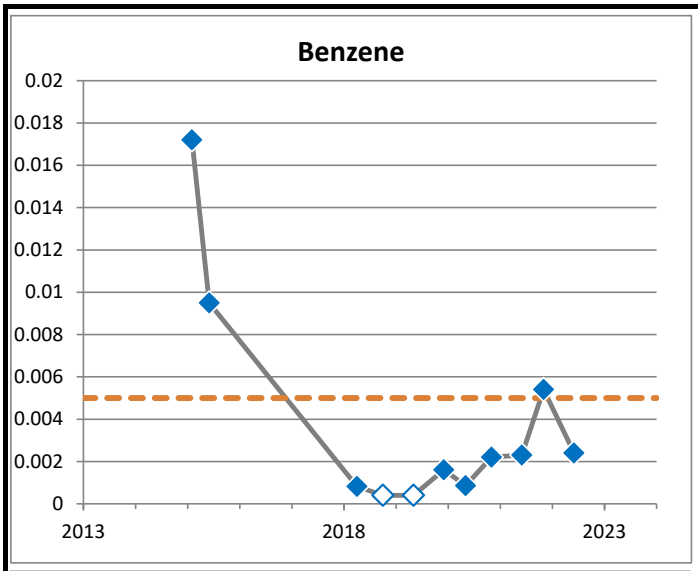
Drinking Water Guideline

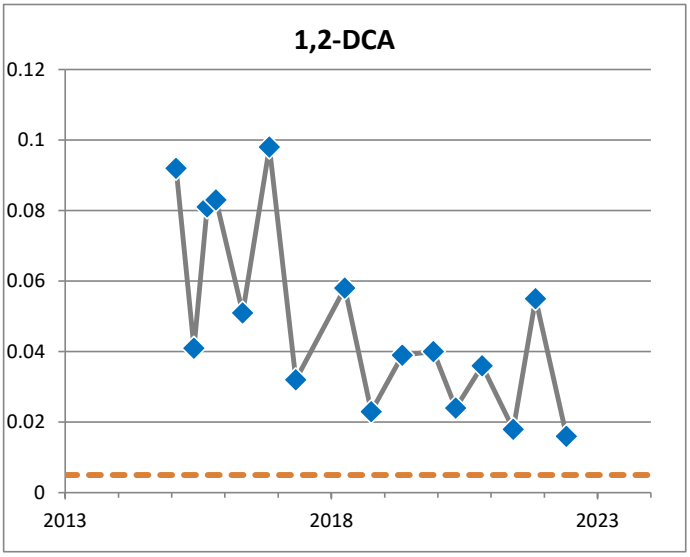
All samples are shown, including duplidates and multiple samples on the same date.

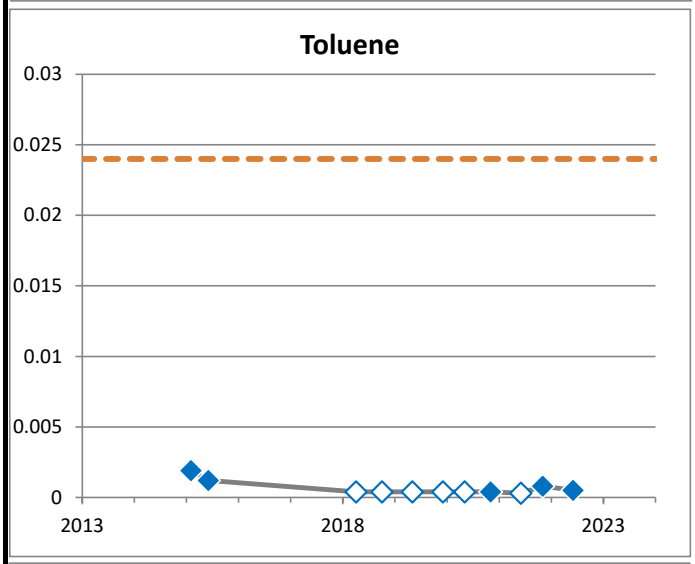
BH1973
(mg/L)

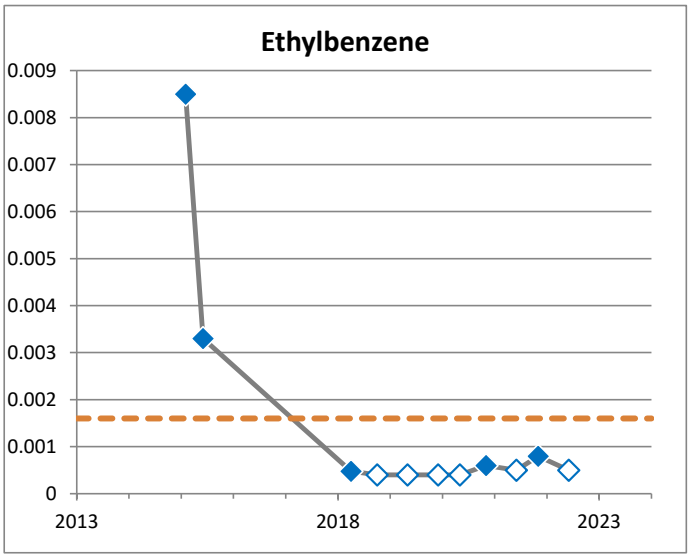
PARSONS

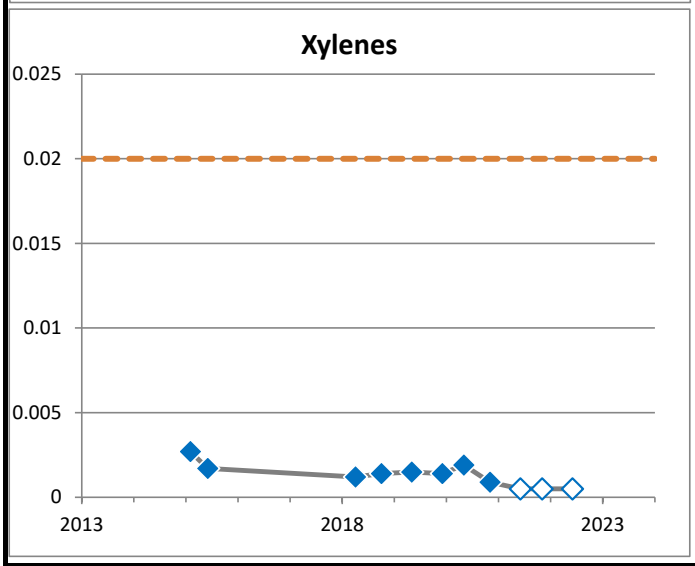
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-63		

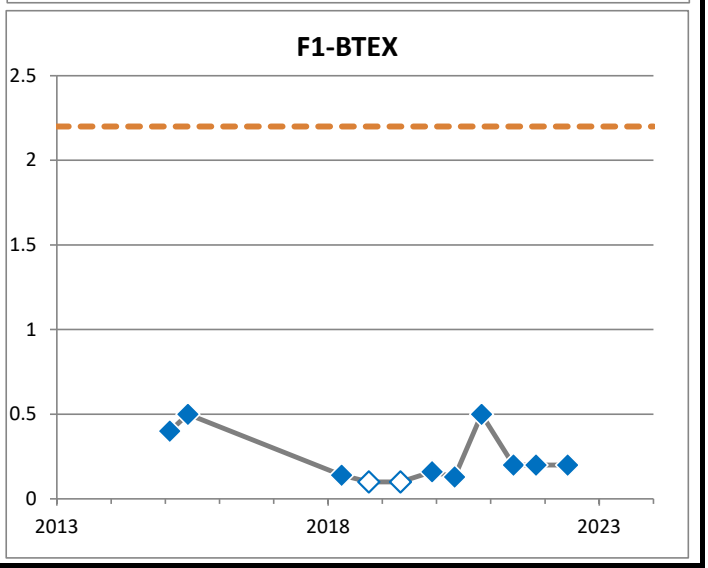












◇ Non-detect value

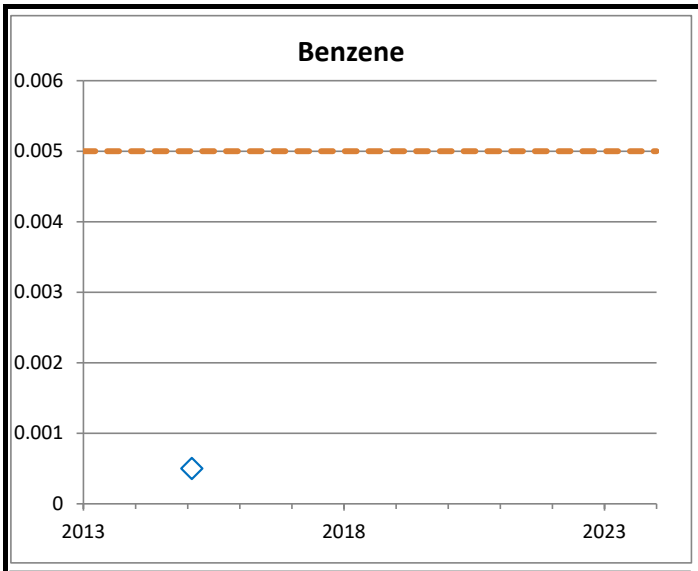
Drinking Water Guideline

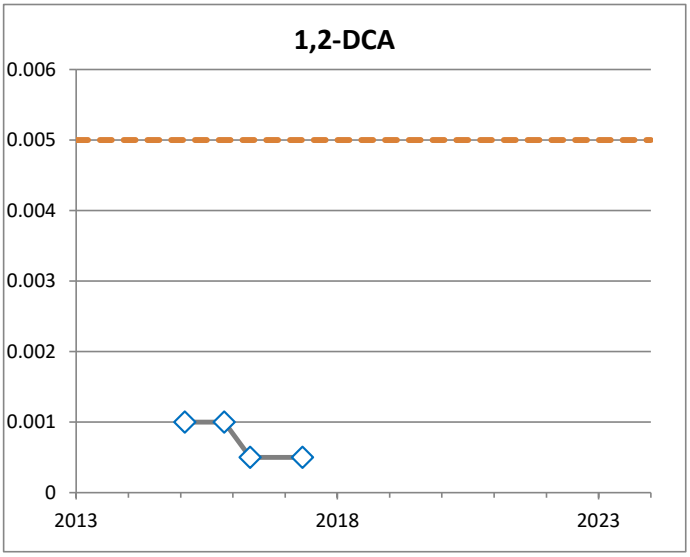
All samples are shown, including duplidates and multiple samples on the same date.

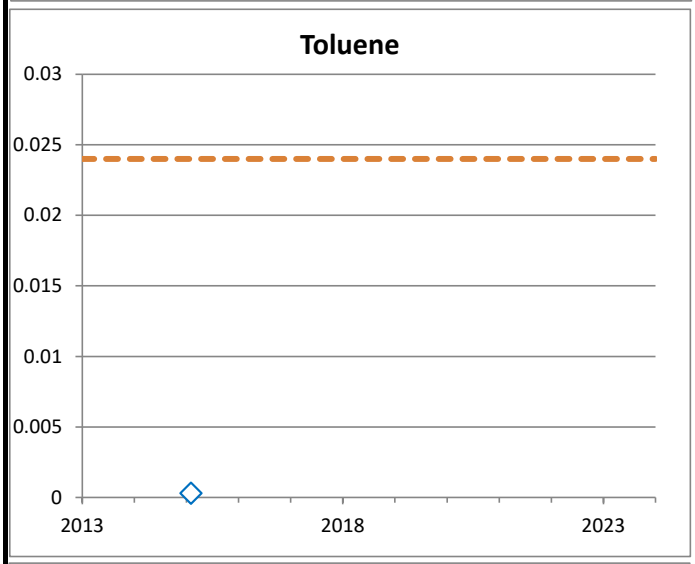
BH1974
(mg/L)

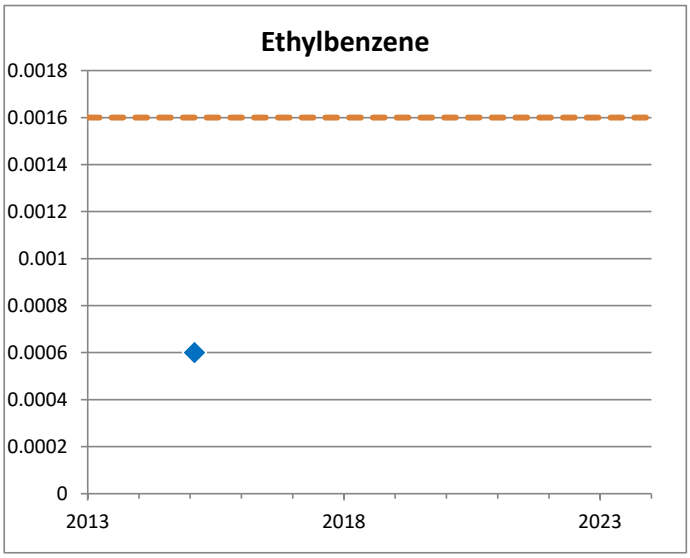
PARSONS

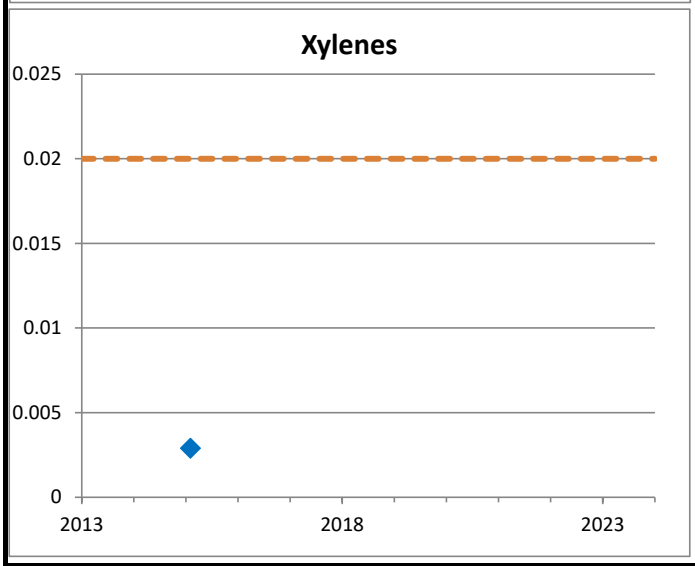
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-64		

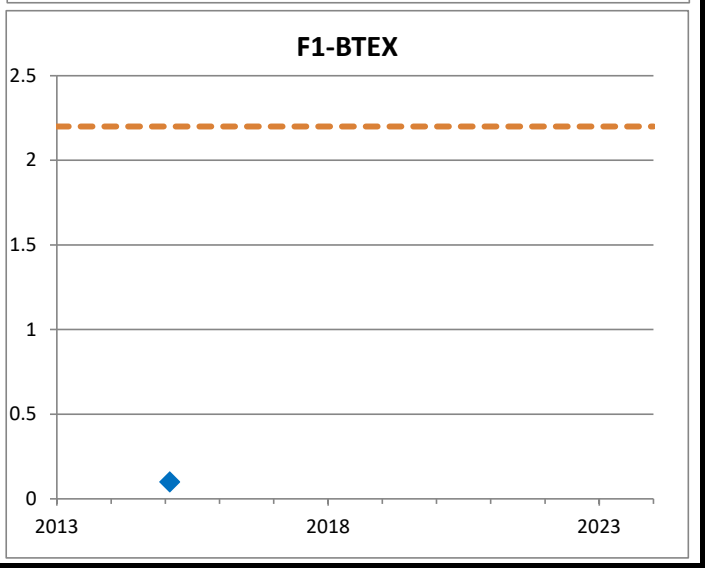












◇ Non-detect value

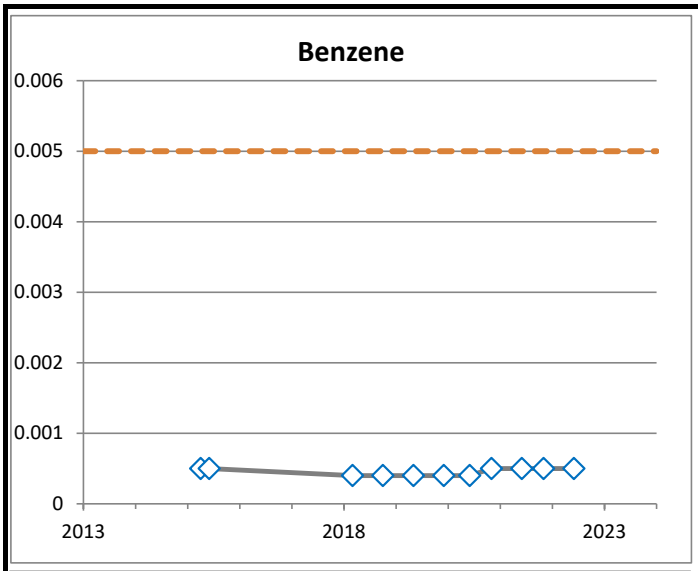
Drinking Water Guideline

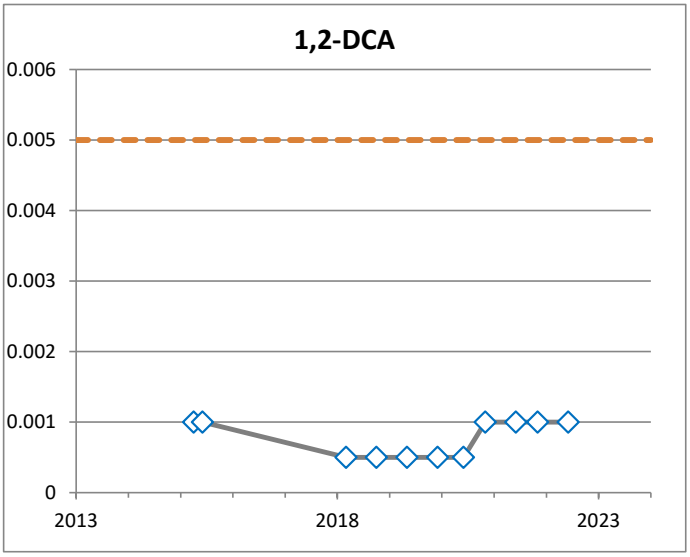
All samples are shown, including duplidates and multiple samples on the same date.

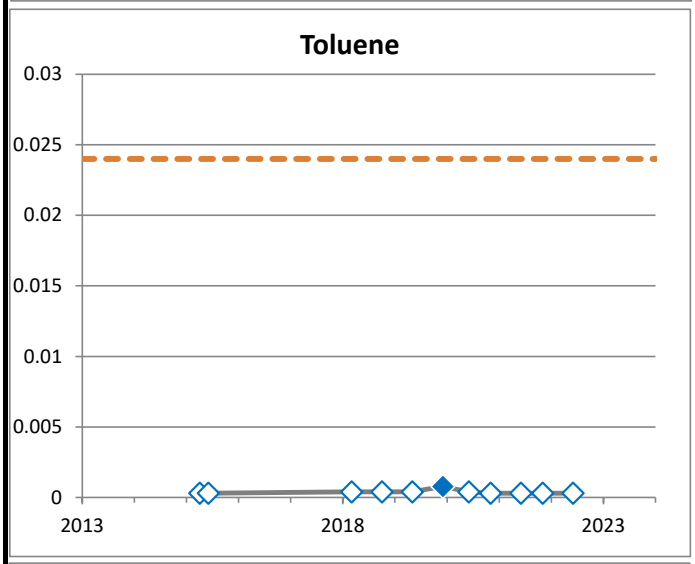
BH1975
(mg/L)

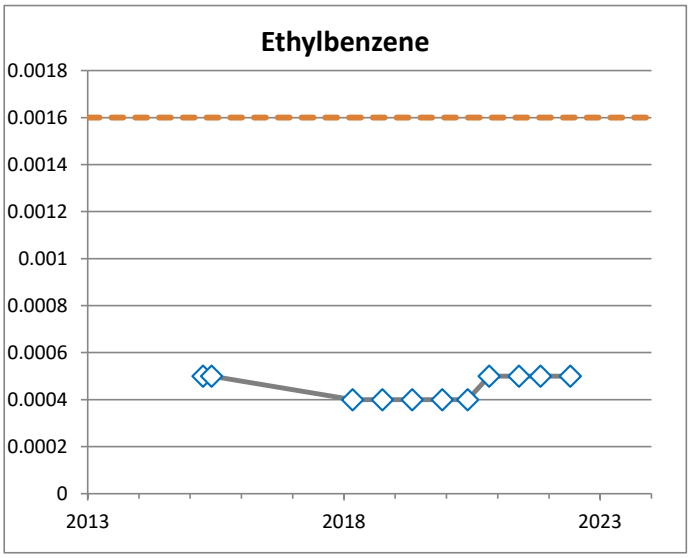
PARSONS

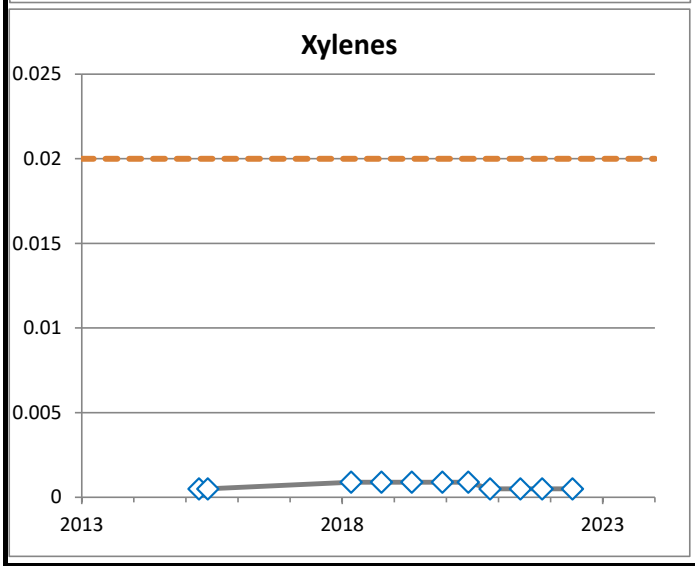
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-65		

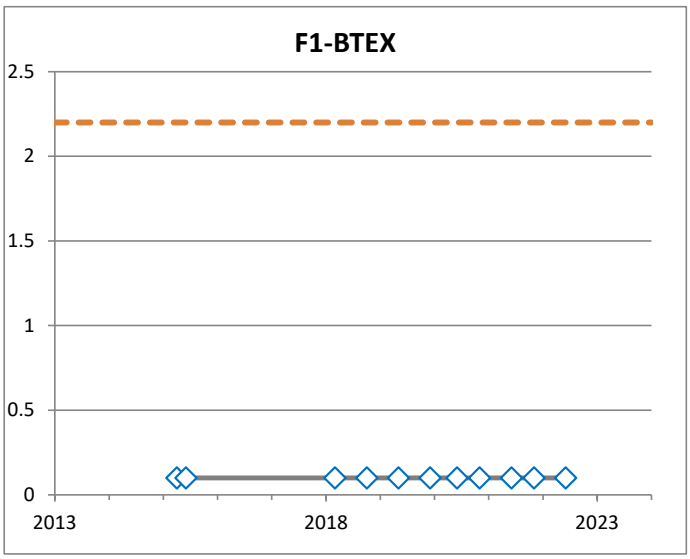












◇ Non-detect value

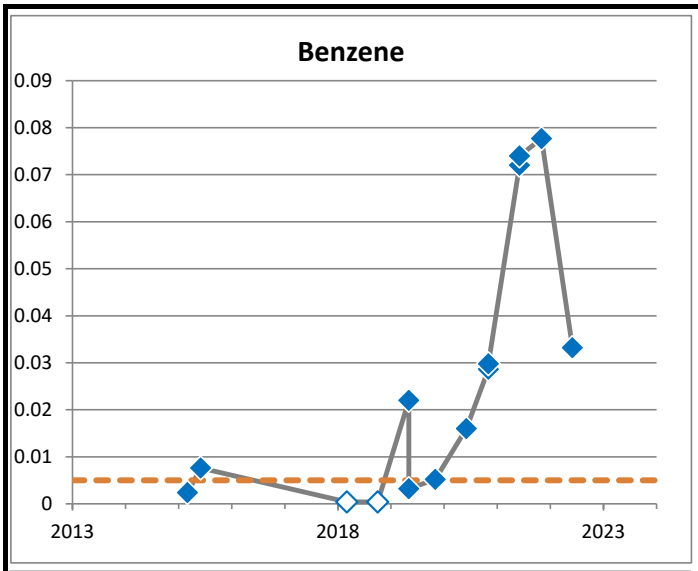
Drinking Water Guideline

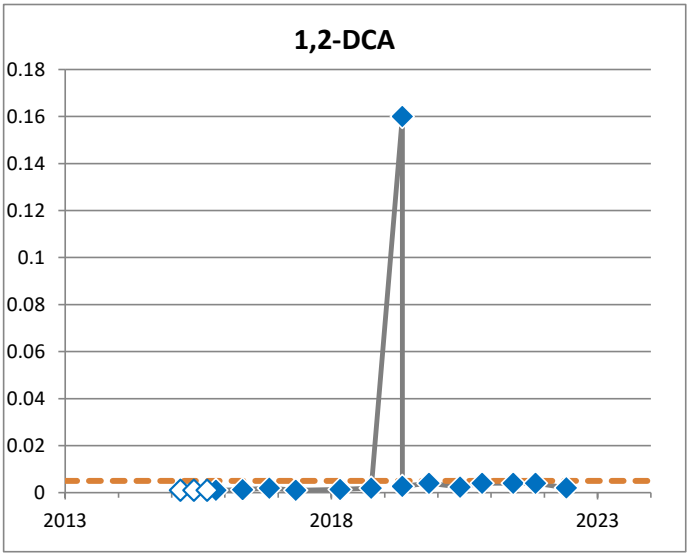
All samples are shown, including duplidates and multiple samples on the same date.

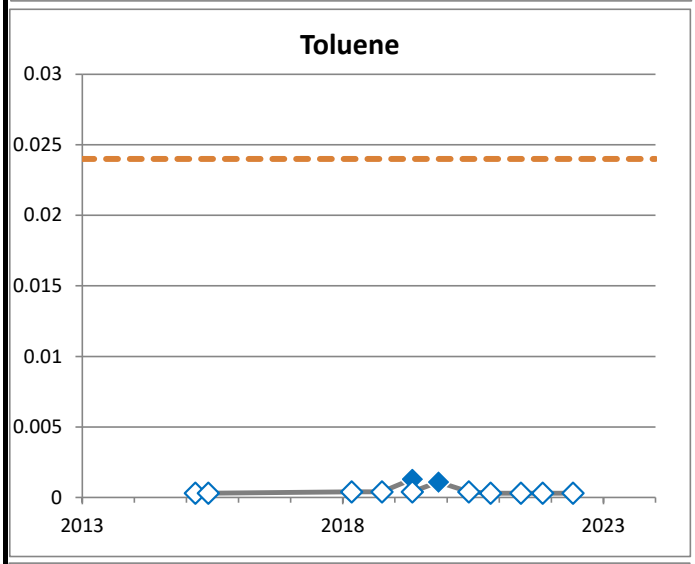
BH1976
(mg/L)

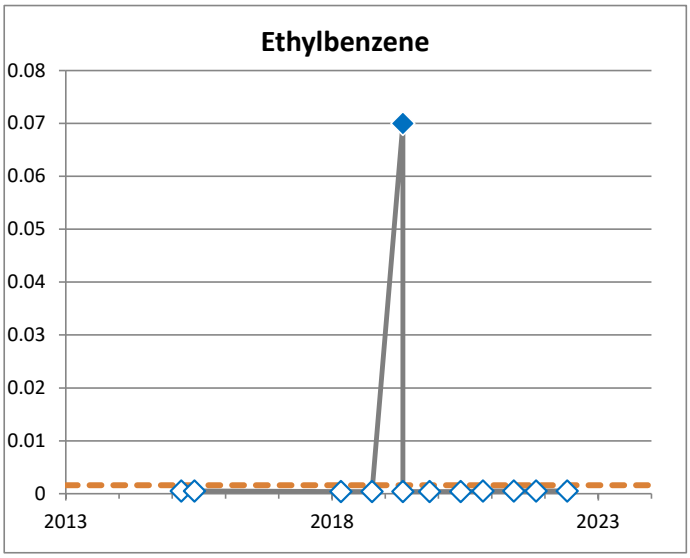
PARSONS

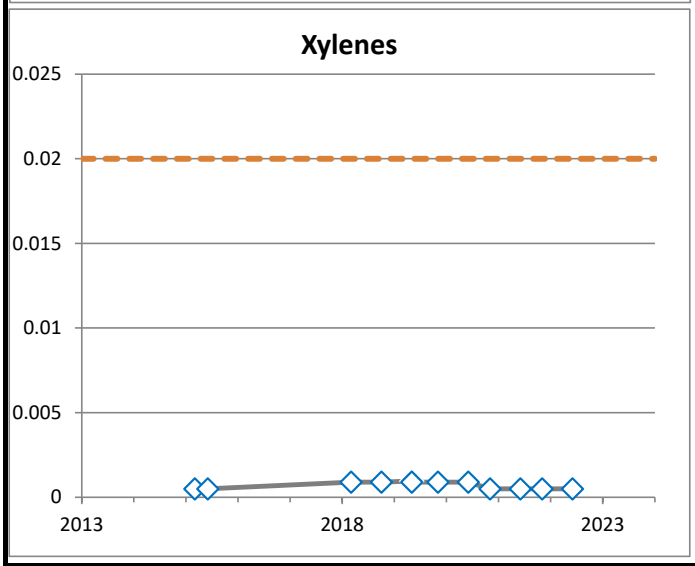
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-66	

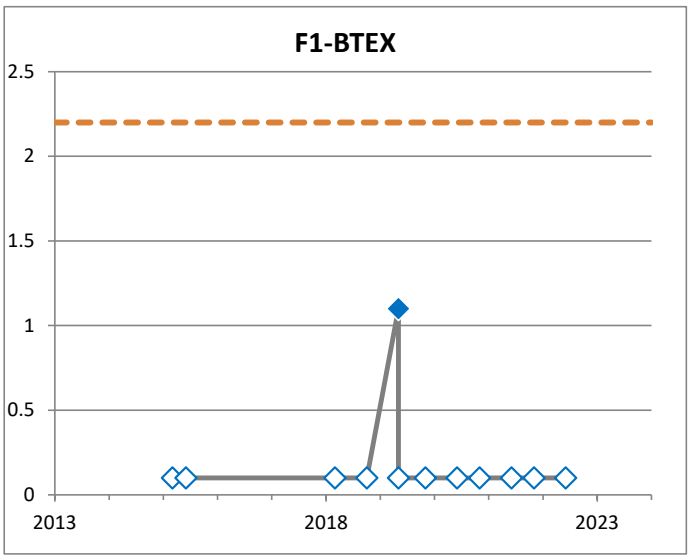












◇ Non-detect value

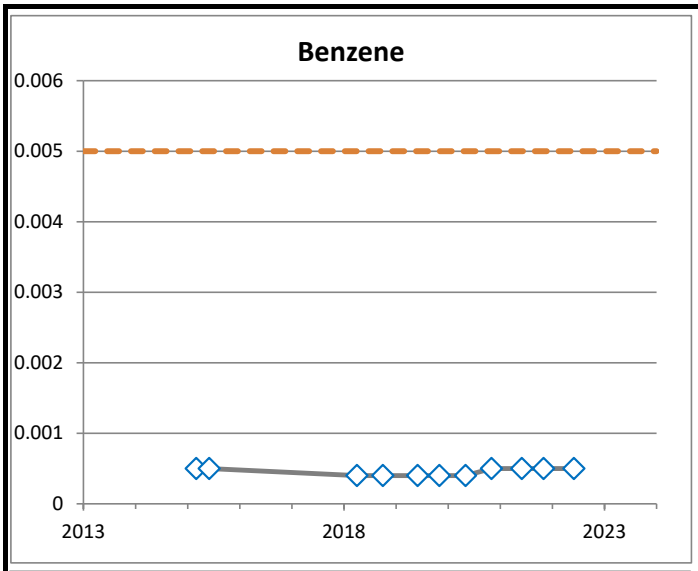
Drinking Water Guideline

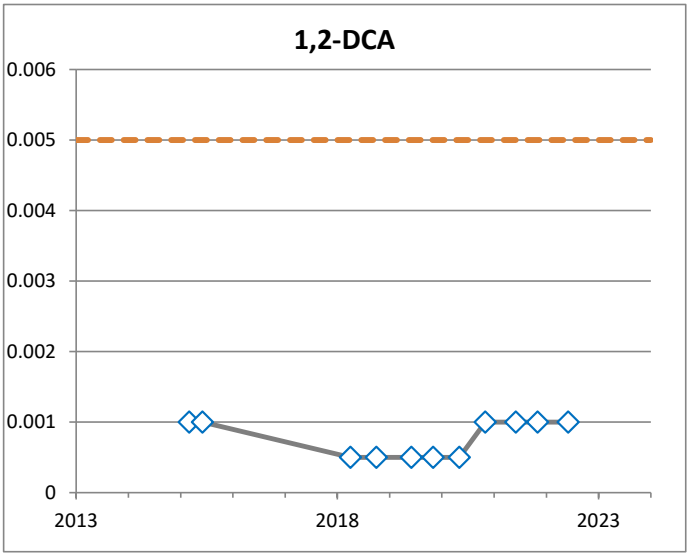
All samples are shown, including duplidates and multiple samples on the same date.

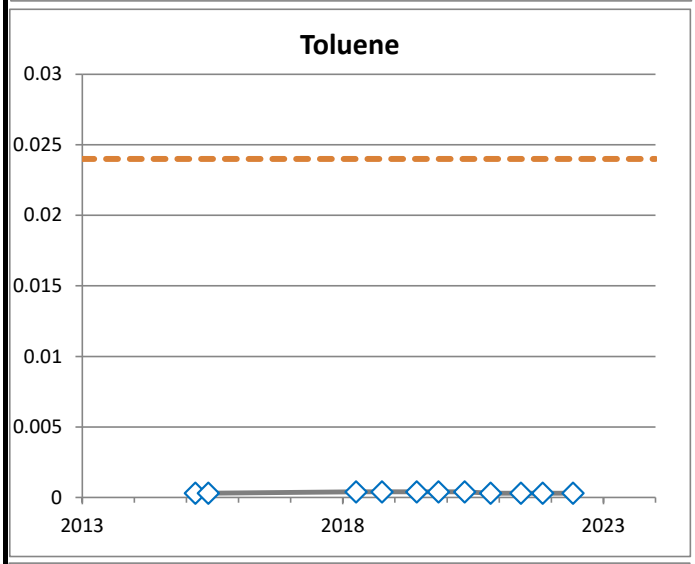
BH1977
(mg/L)

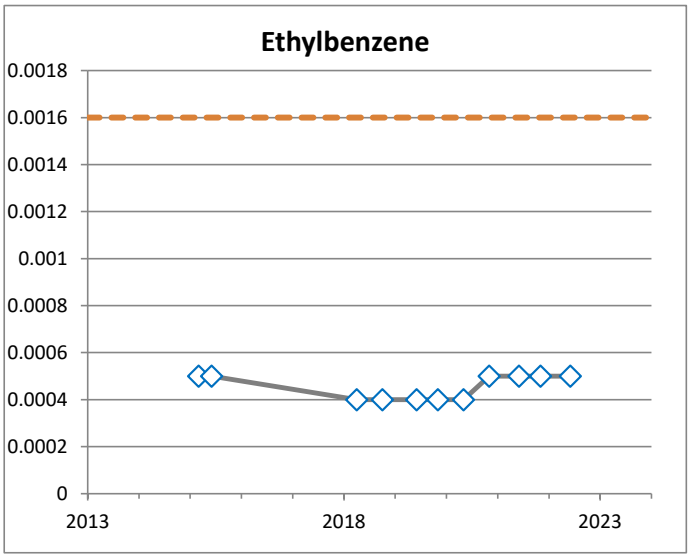
PARSONS

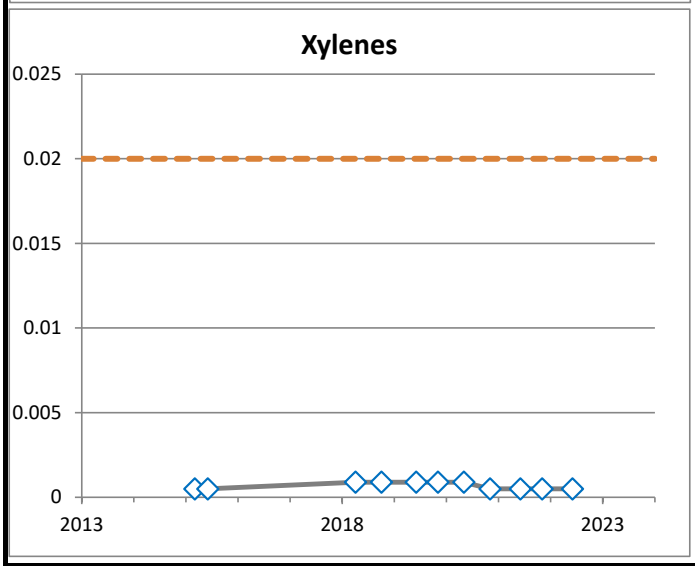
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-67	

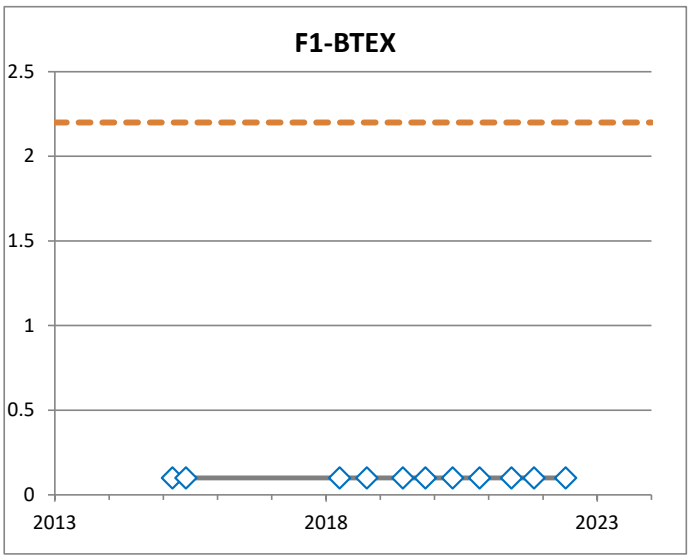












◇ Non-detect value

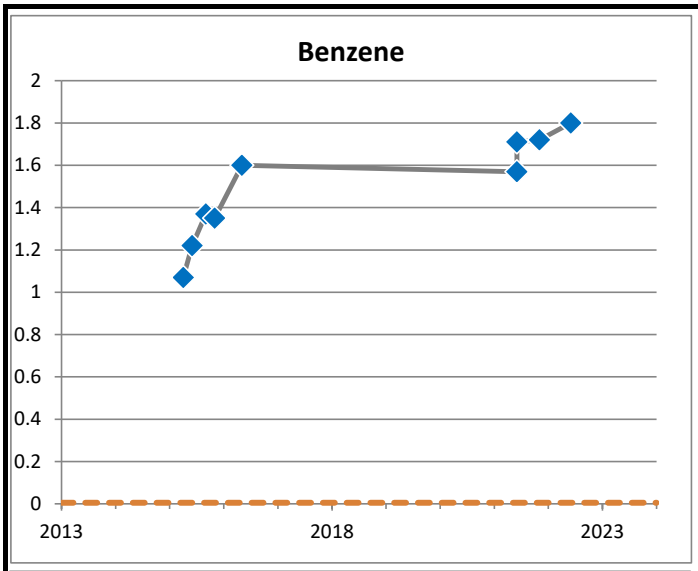
Drinking Water Guideline

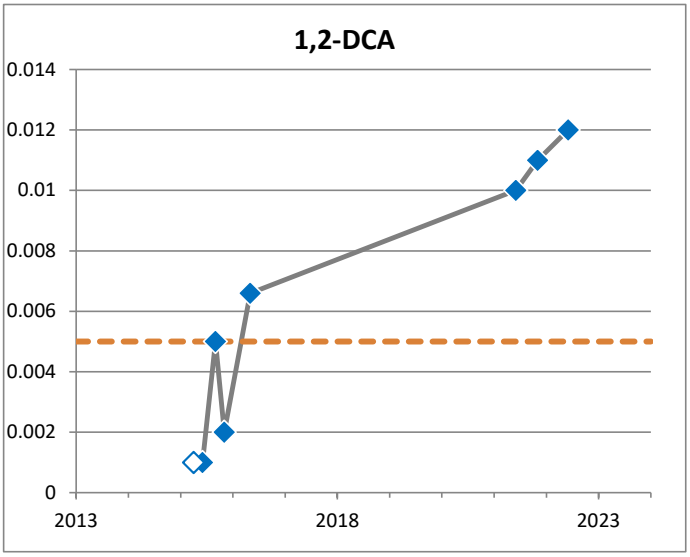
All samples are shown, including duplidates and multiple samples on the same date.

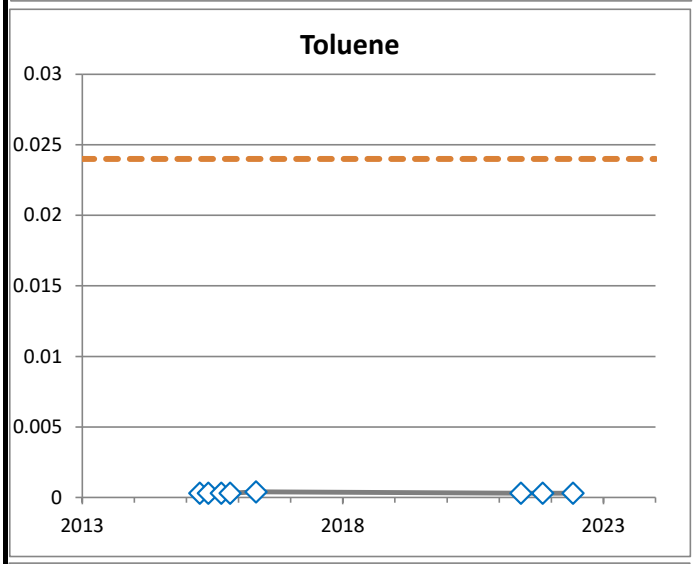
BH1978
(mg/L)

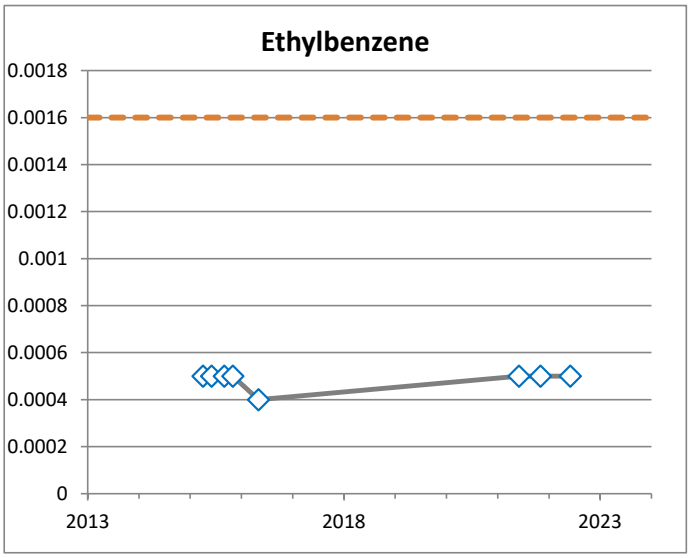
PARSONS

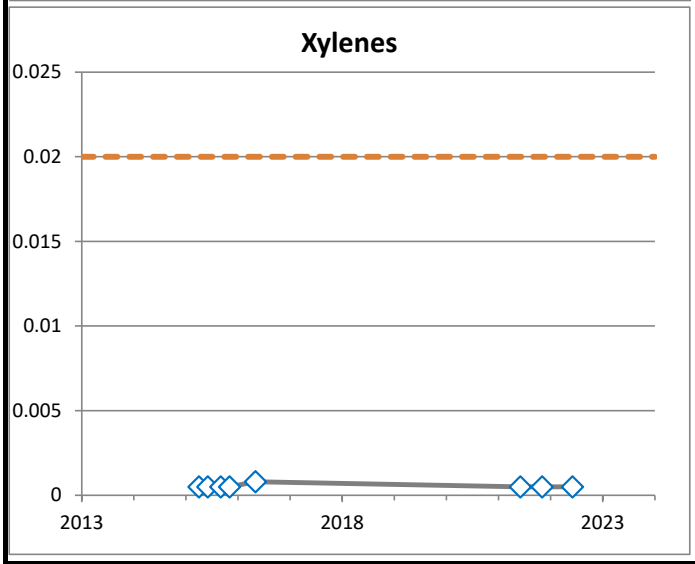
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-68	

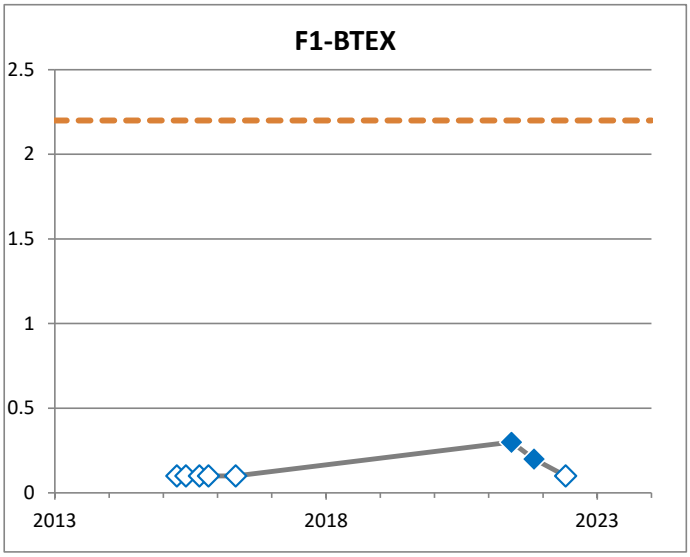












◇ Non-detect value

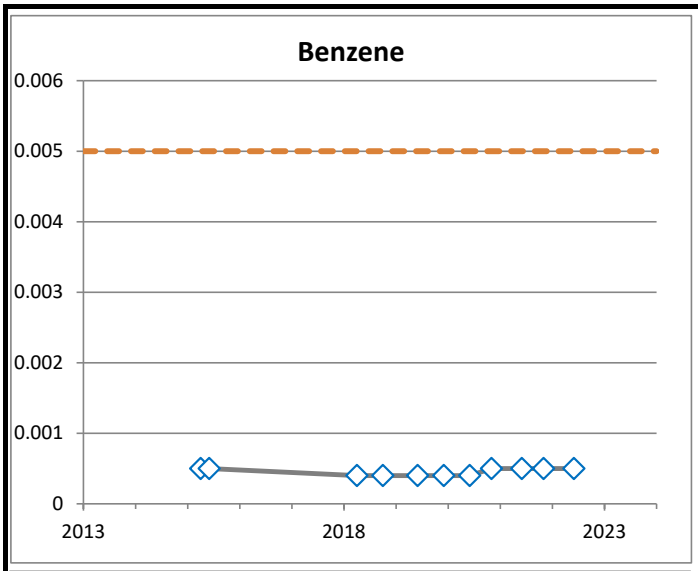
Drinking Water Guideline

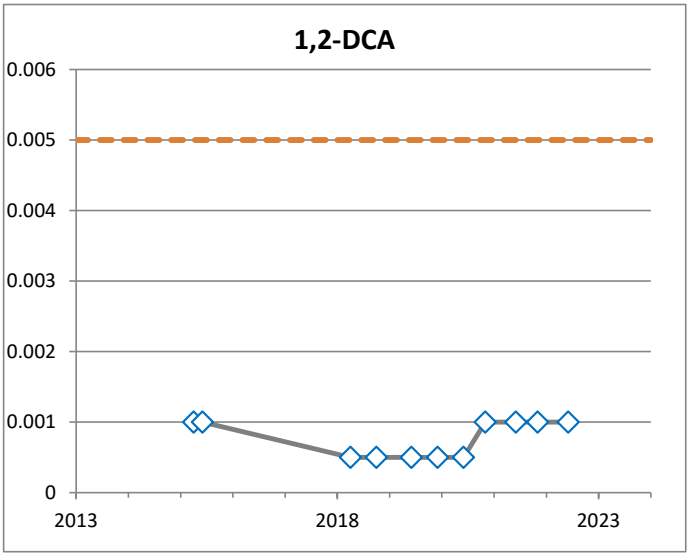
All samples are shown, including duplidates and multiple samples on the same date.

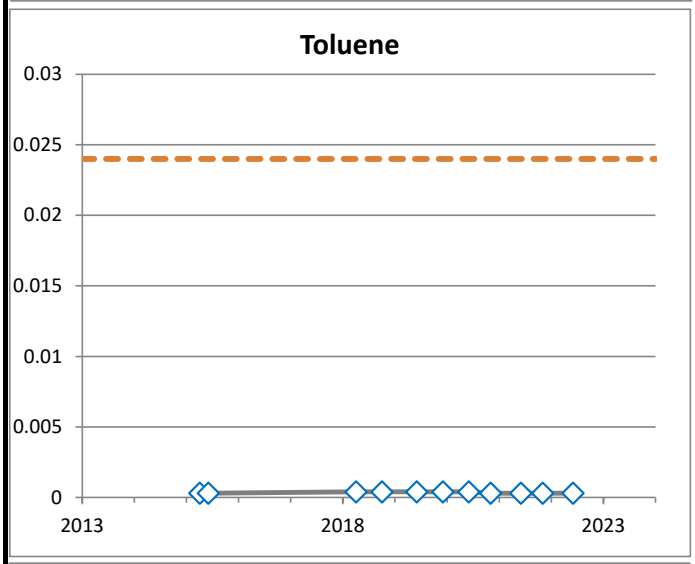
BH1979
(mg/L)

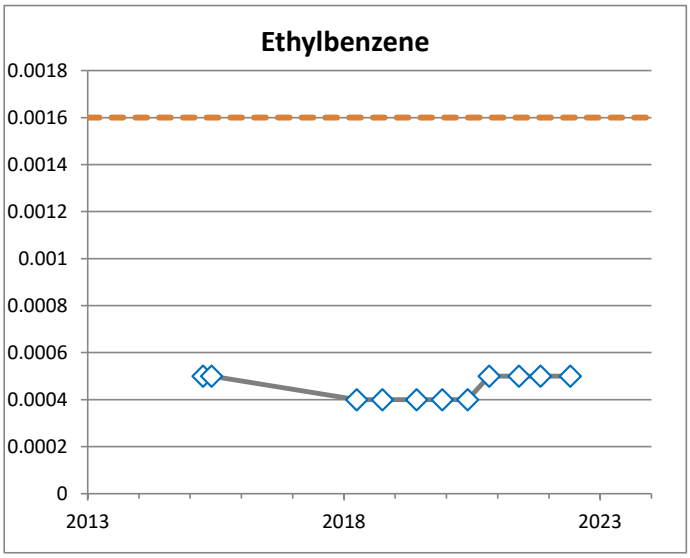
PARSONS

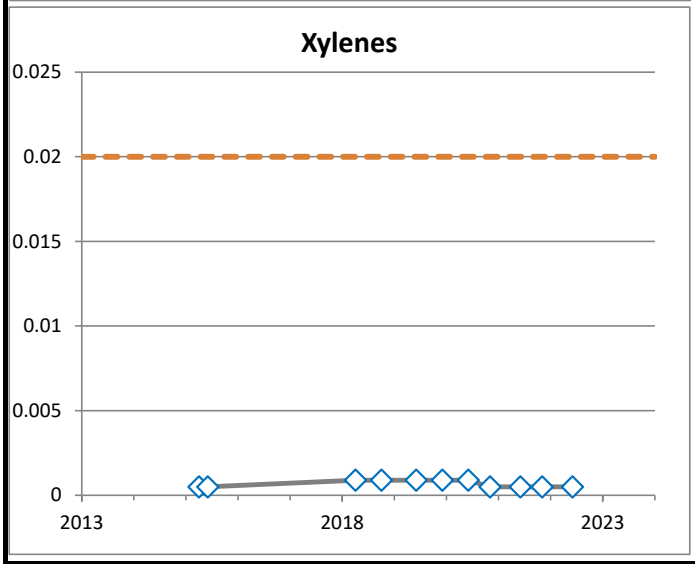
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-69	

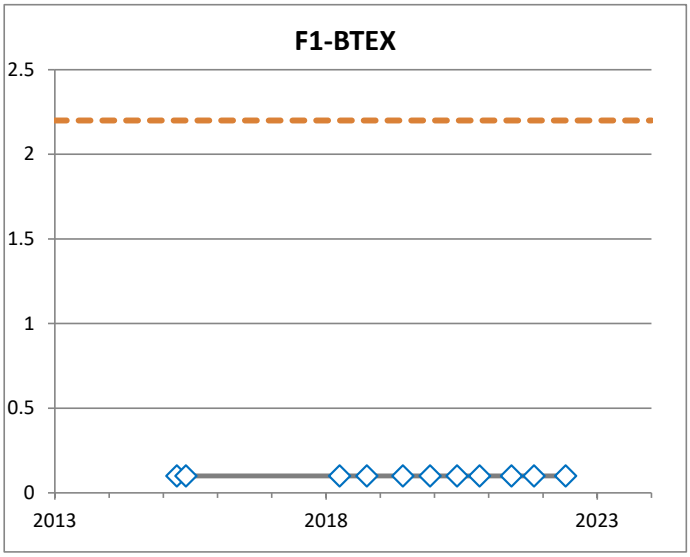












◇ Non-detect value

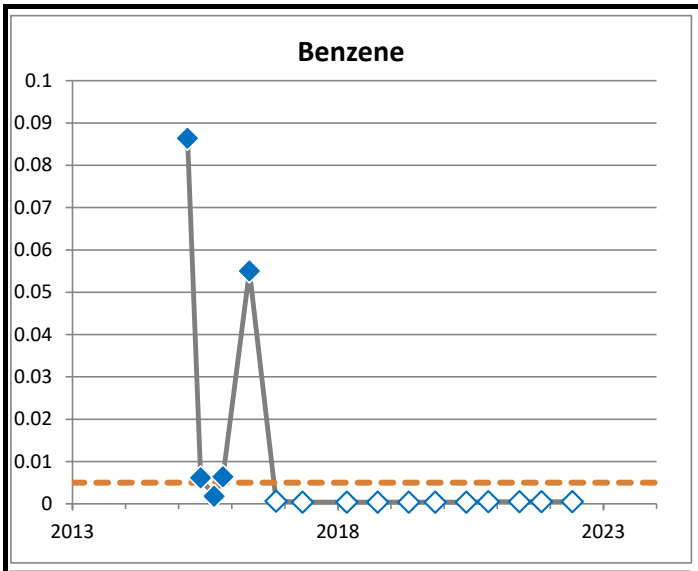
Drinking Water Guideline

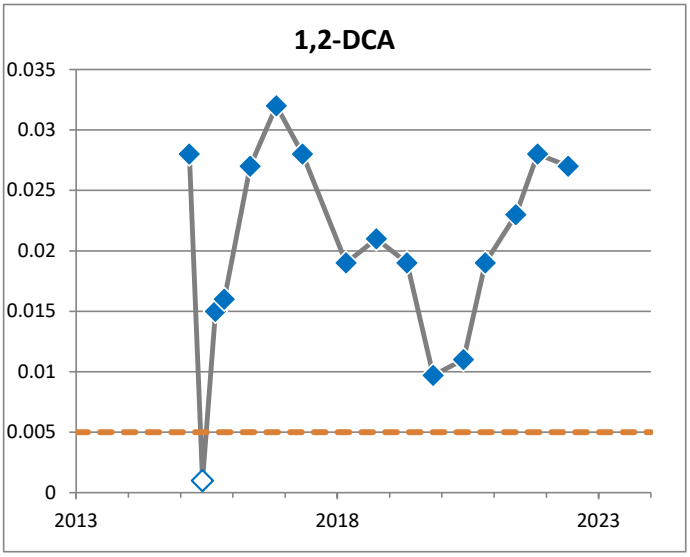
All samples are shown, including duplidates and multiple samples on the same date.

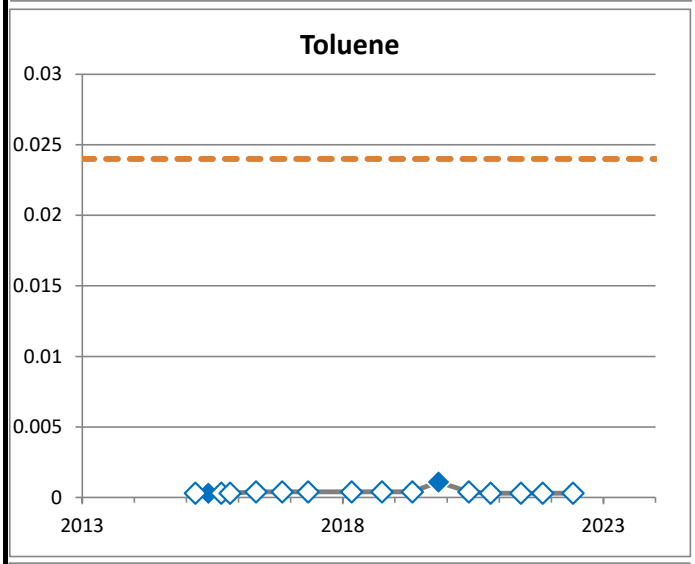
BH1980
(mg/L)

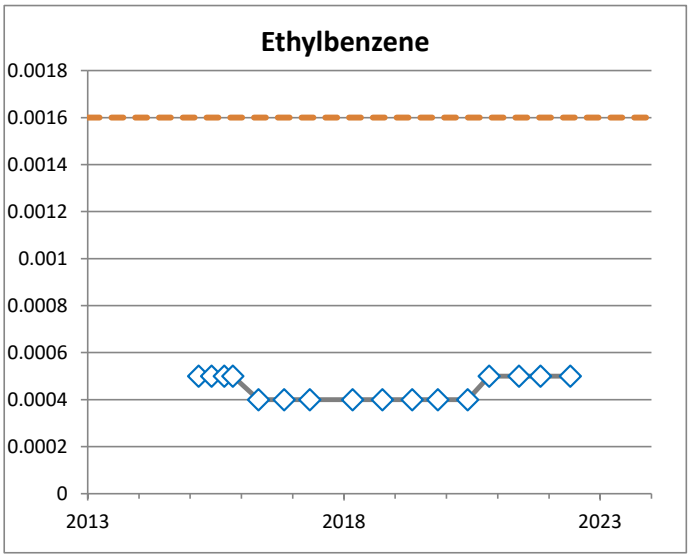
PARSONS

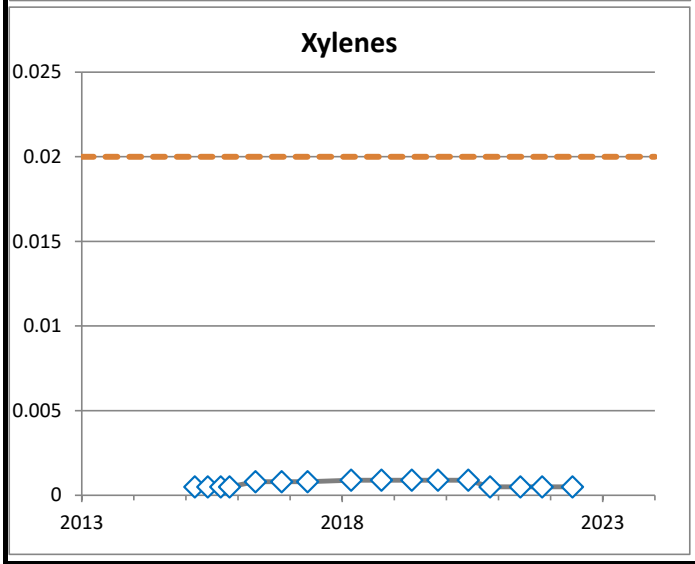
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-70		

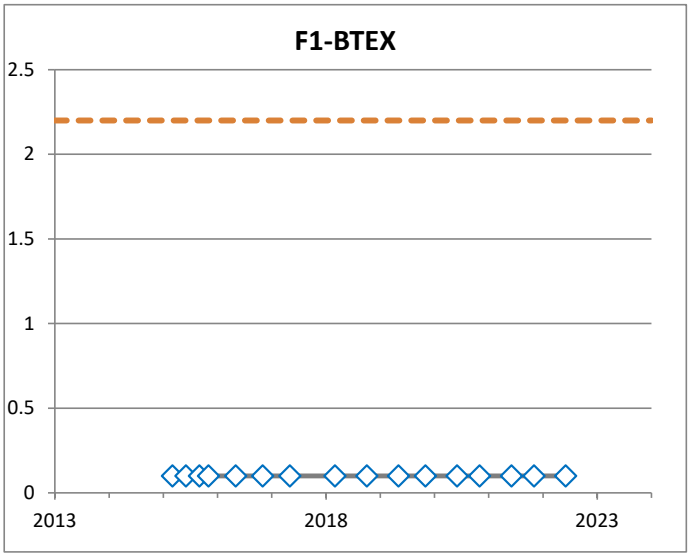












◇ Non-detect value

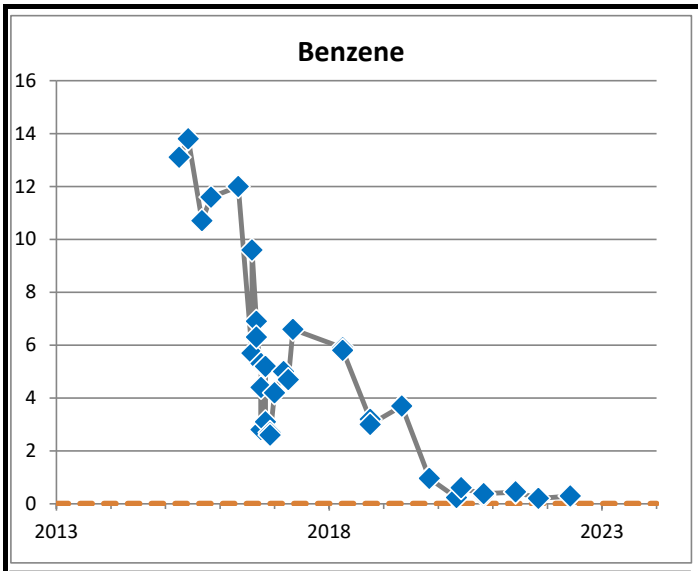
Drinking Water Guideline

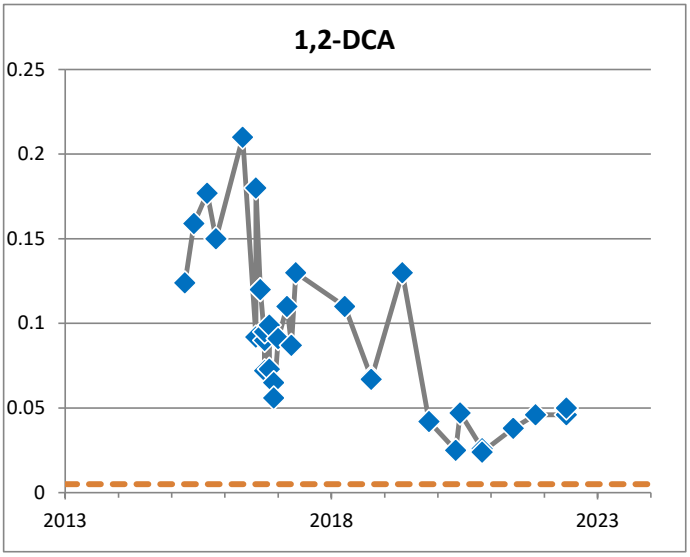
All samples are shown, including duplidates and multiple samples on the same date.

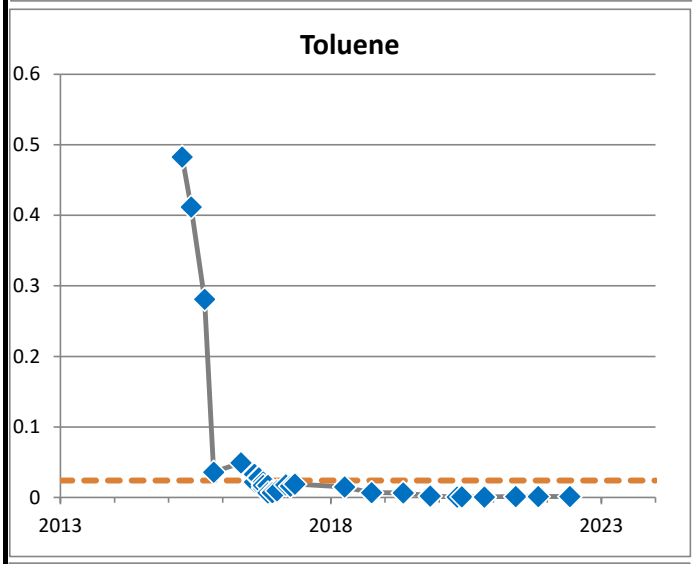
BH1981
(mg/L)

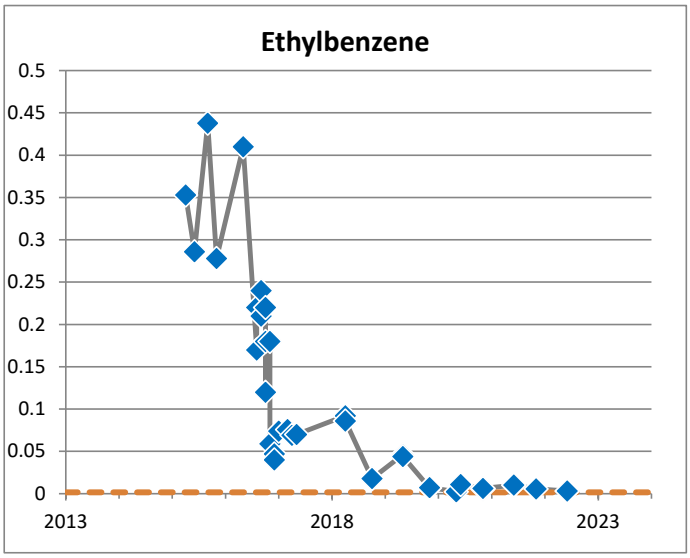
PARSONS

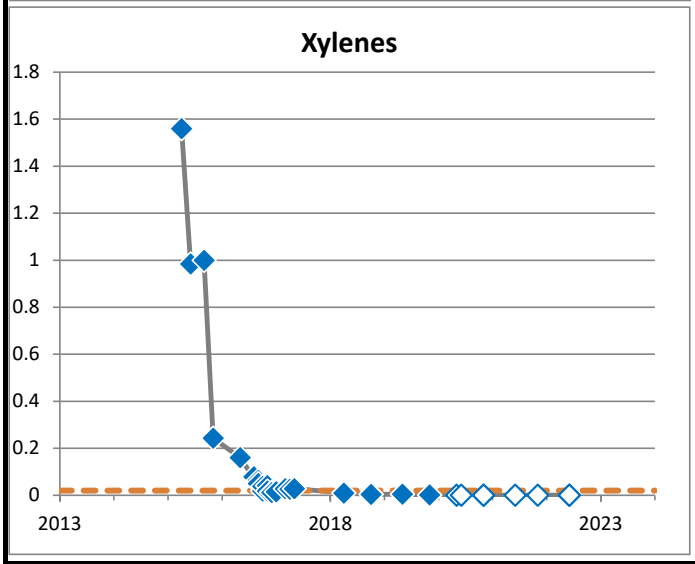
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-71	

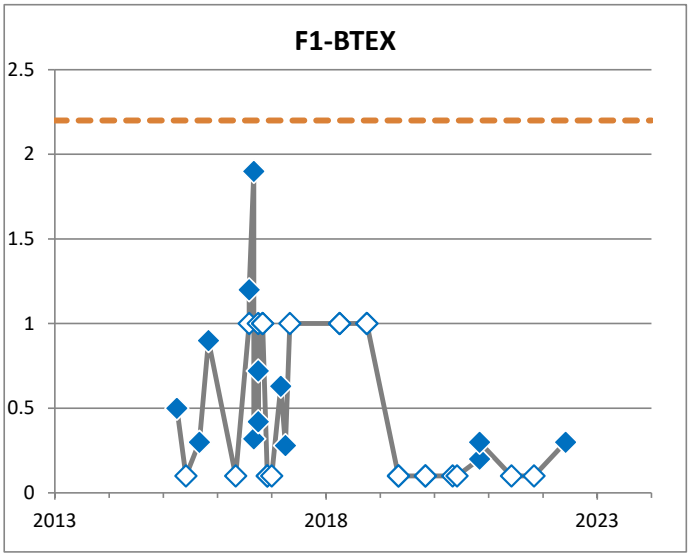












◇ Non-detect value

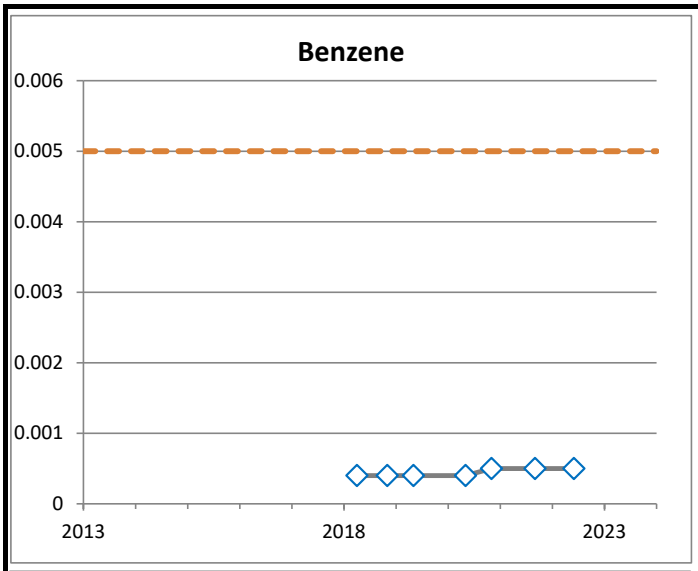
Drinking Water Guideline

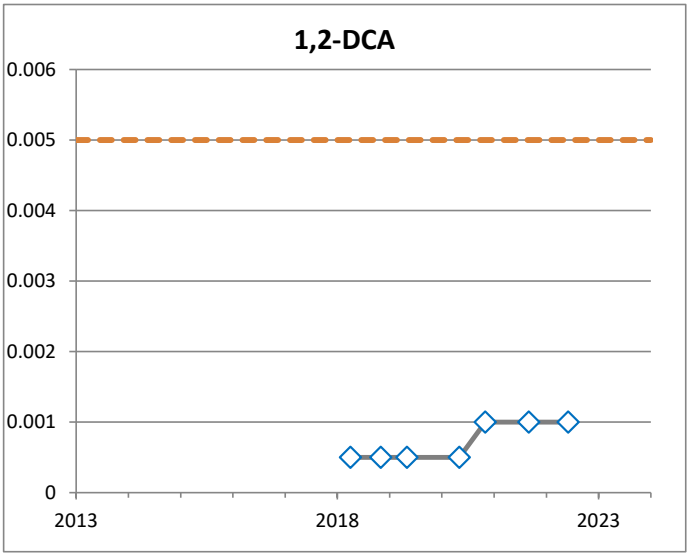
All samples are shown, including duplidates and multiple samples on the same date.

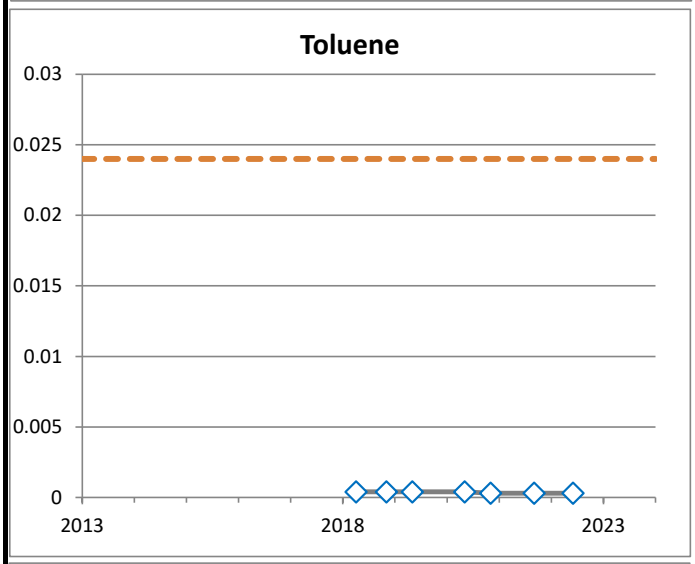
BH1982
(mg/L)

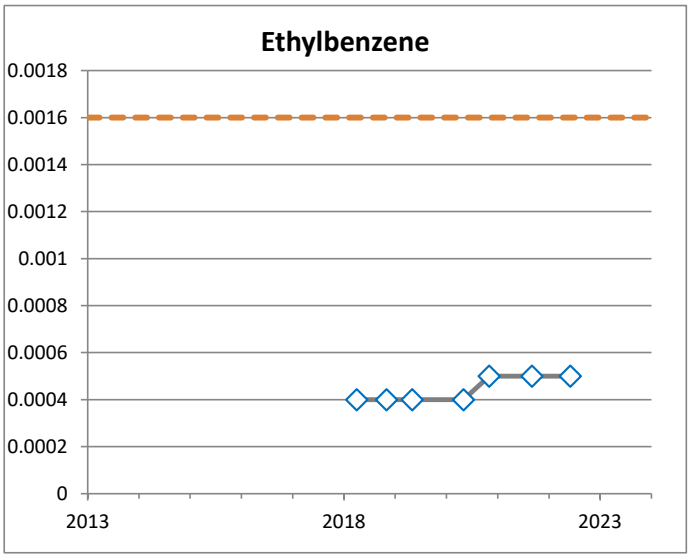
PARSONS

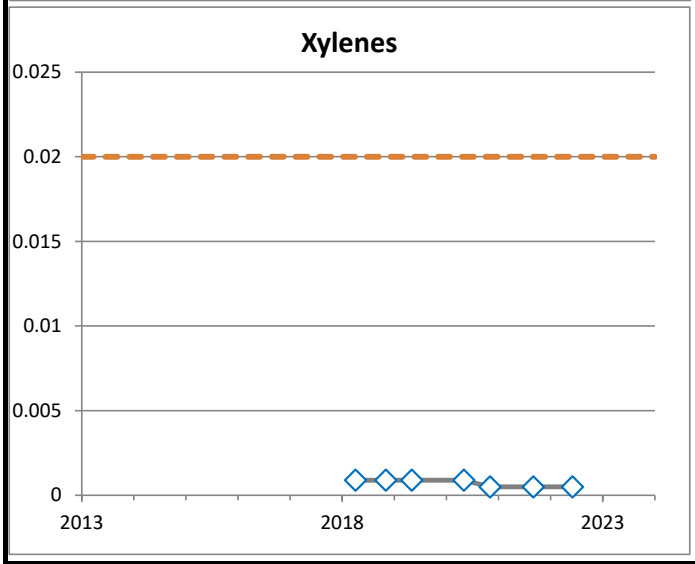
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-72	

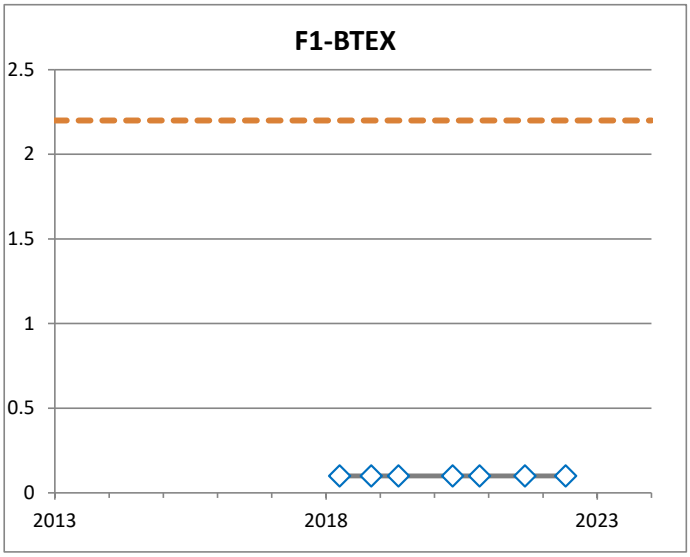












◇ Non-detect value

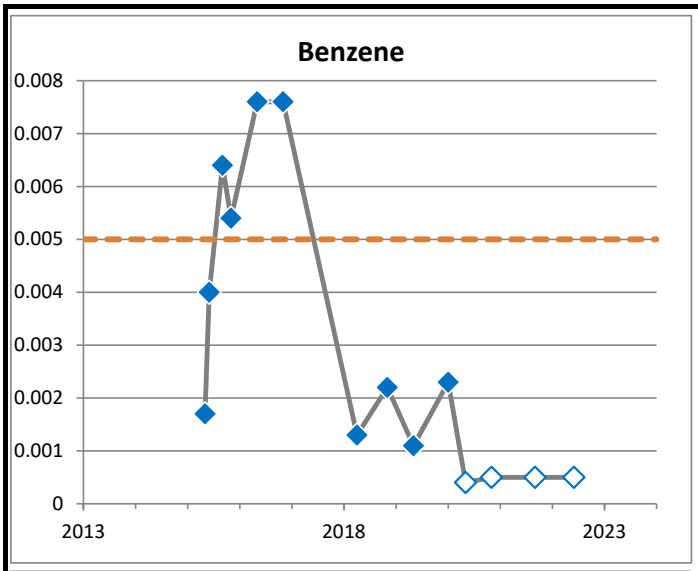
Drinking Water Guideline

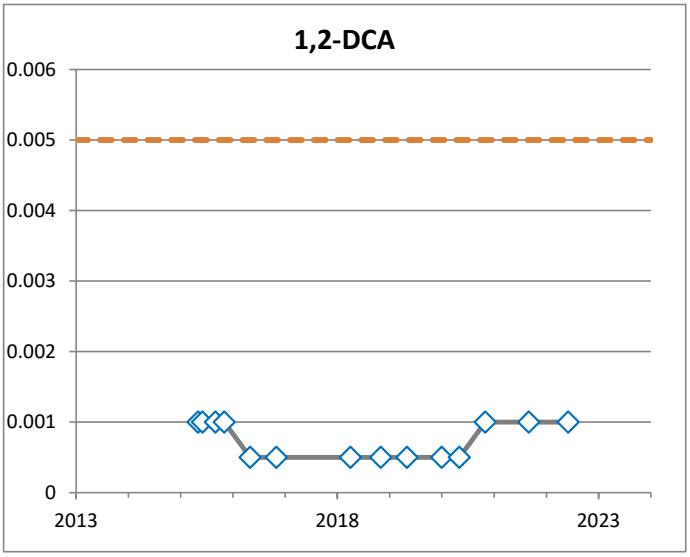
All samples are shown, including duplidates and multiple samples on the same date.

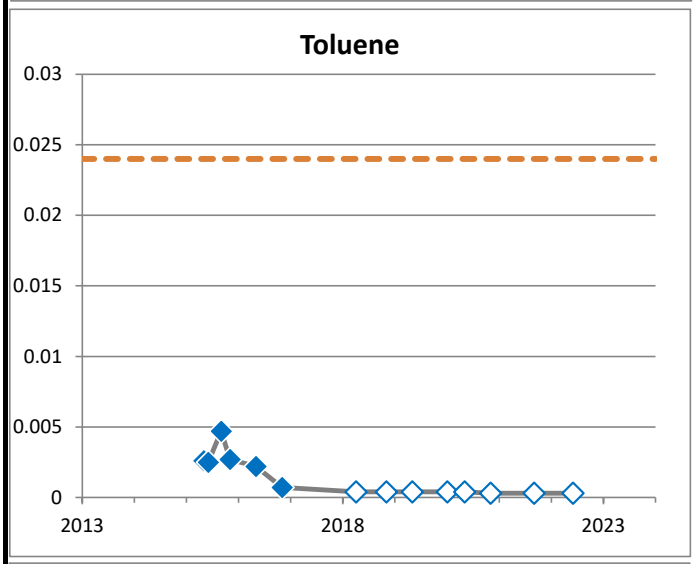
BH1983A
(mg/L)

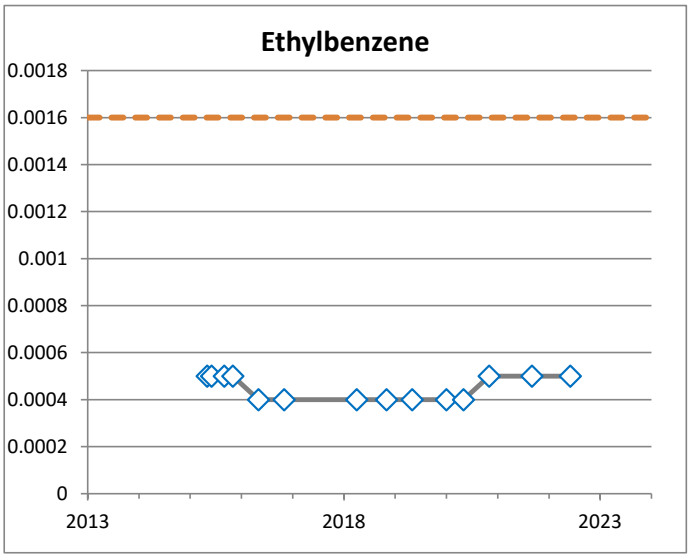
PARSONS

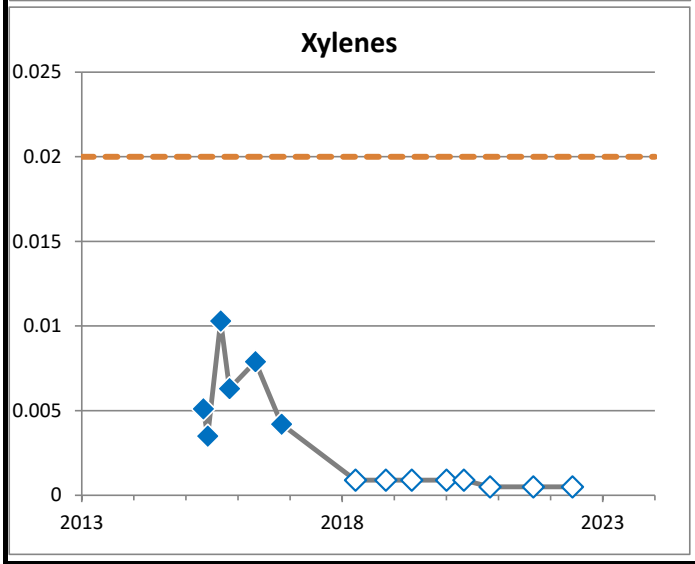
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-73		

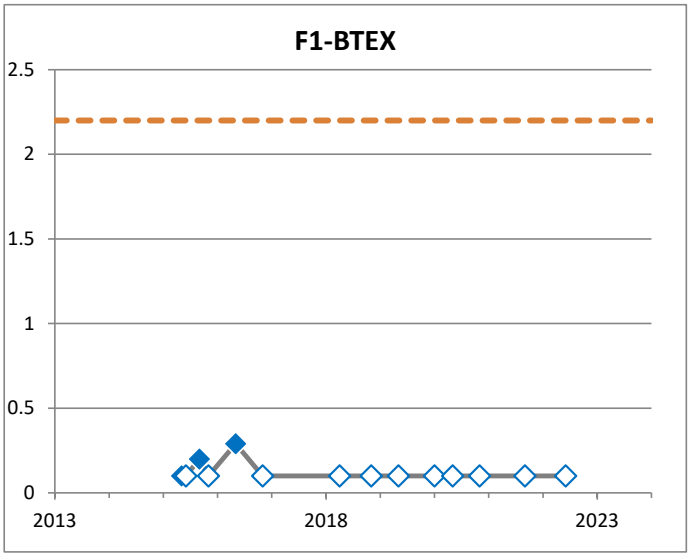












◇ Non-detect value

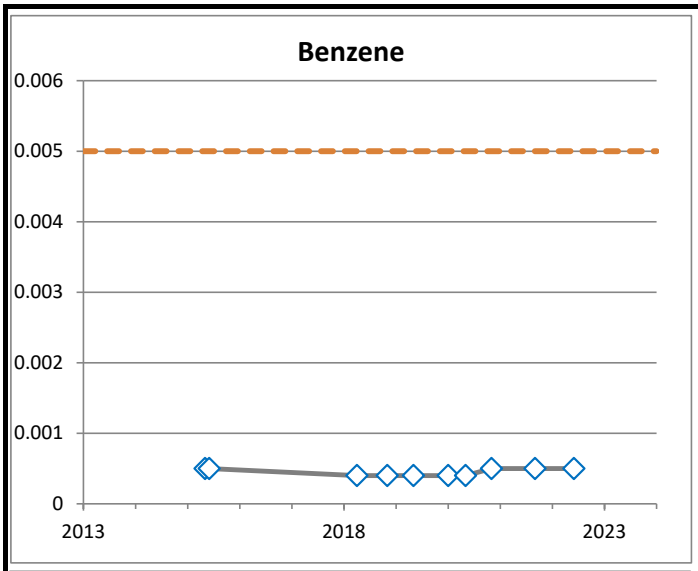
Drinking Water Guideline

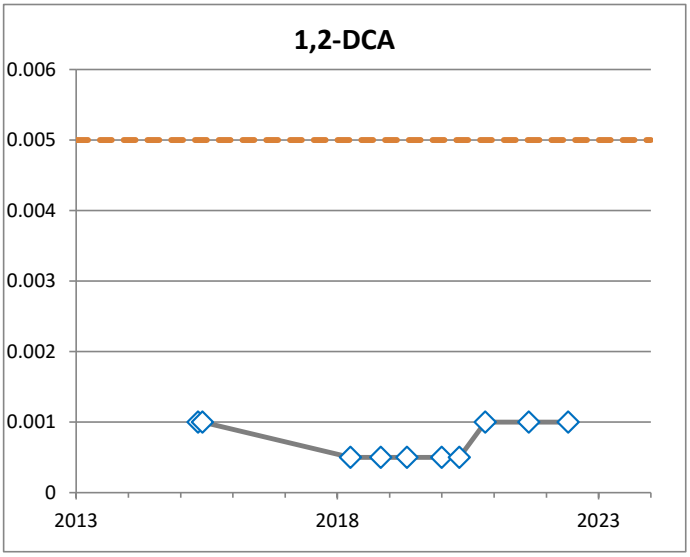
All samples are shown, including duplidates and multiple samples on the same date.

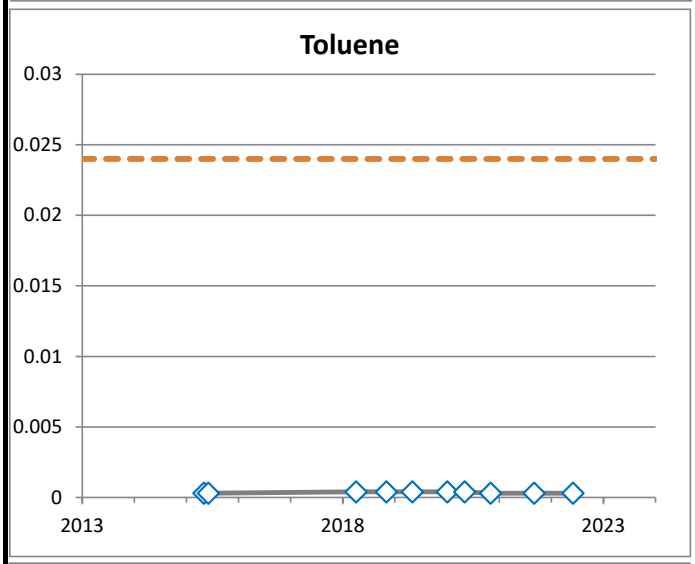
BH1984
(mg/L)

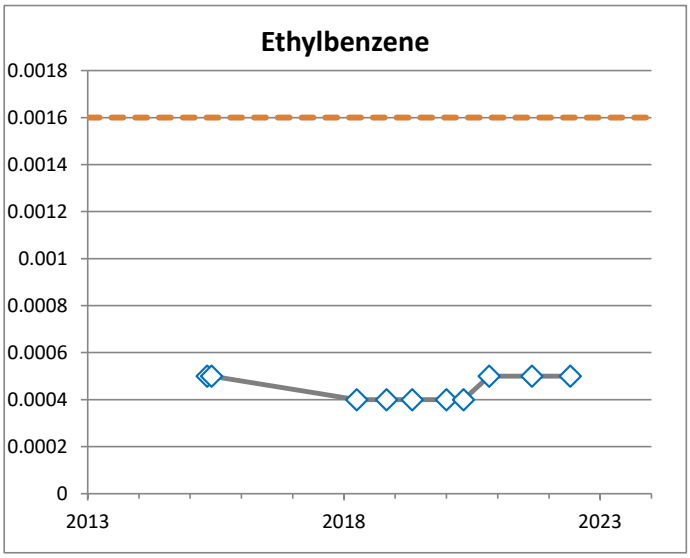
PARSONS

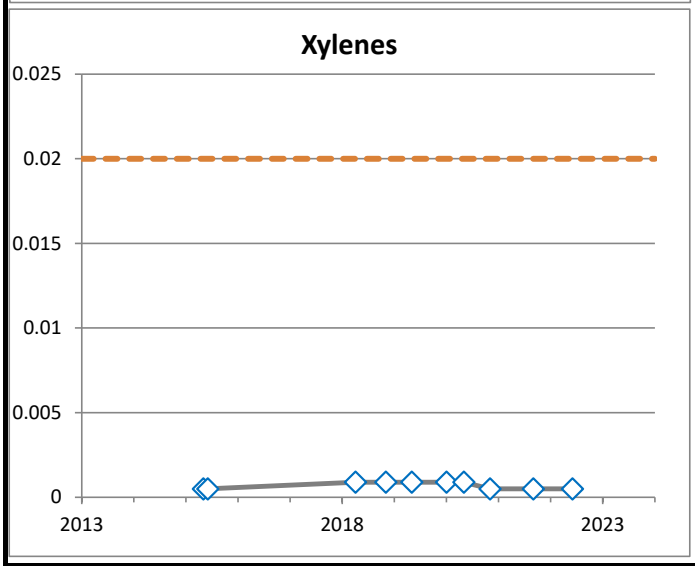
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-74	

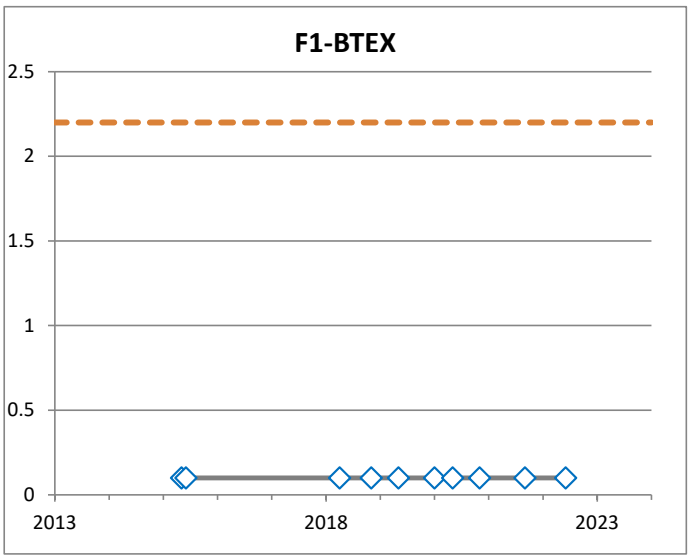












◇ Non-detect value

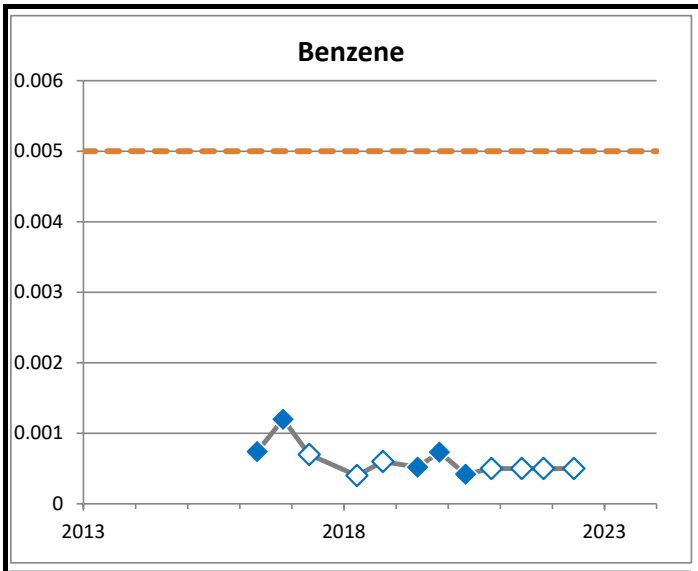
Drinking Water Guideline

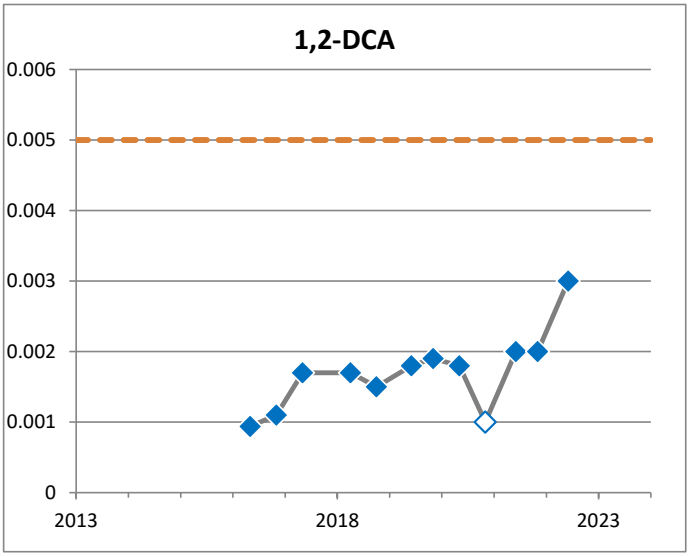
All samples are shown, including duplidates and multiple samples on the same date.

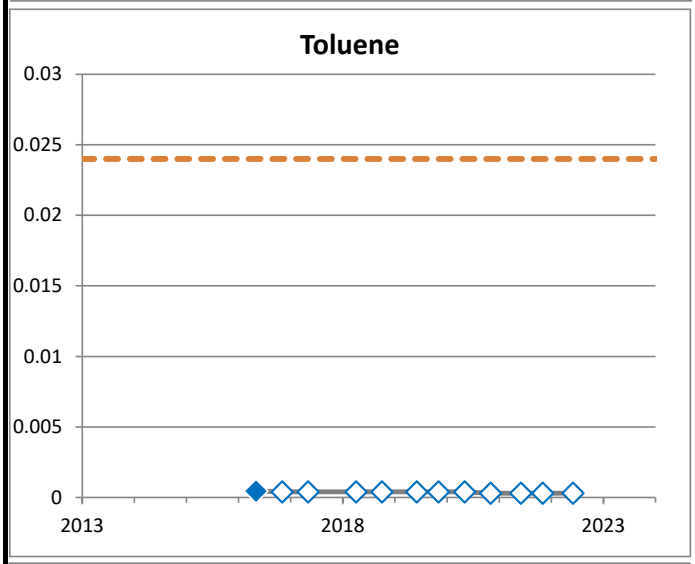
BH1985
(mg/L)

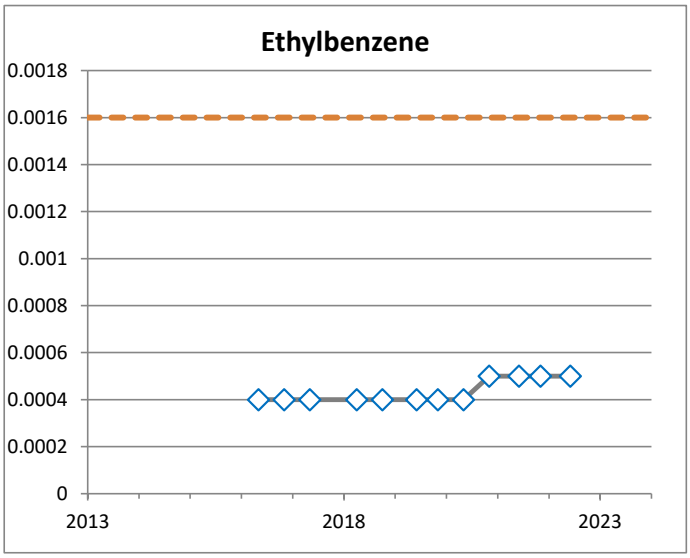
PARSONS

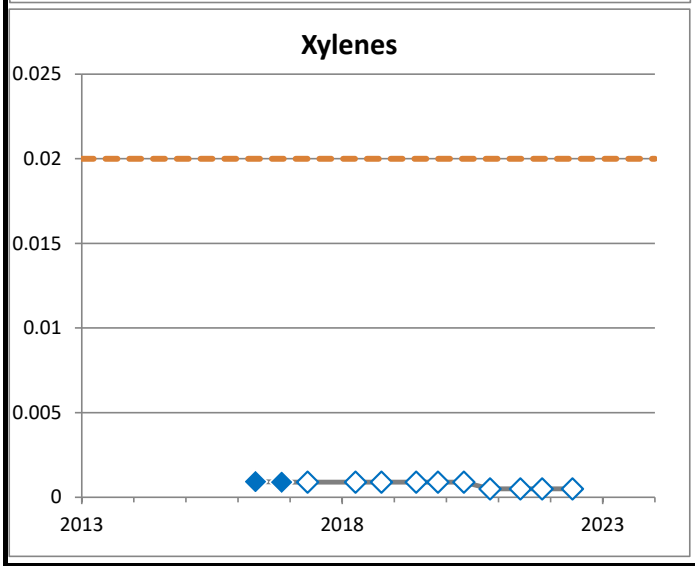
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-75	

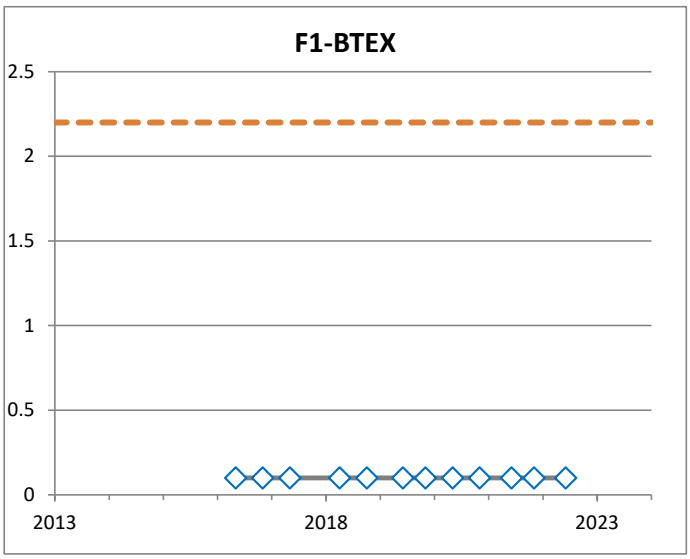












◇ Non-detect value

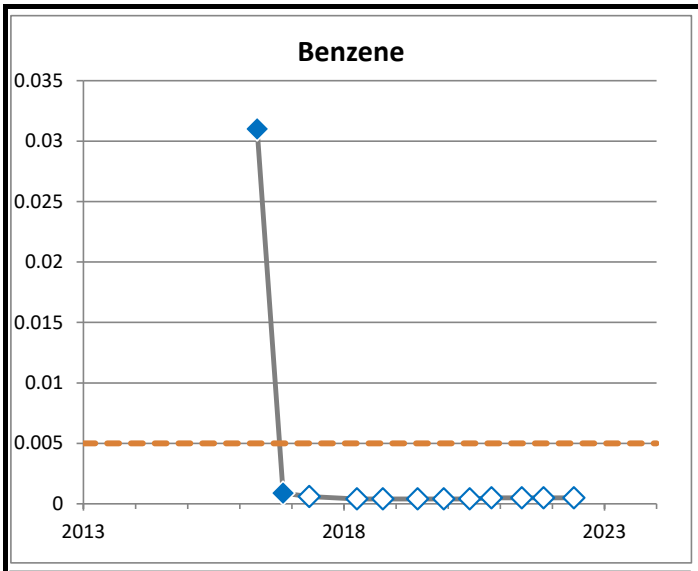
Drinking Water Guideline

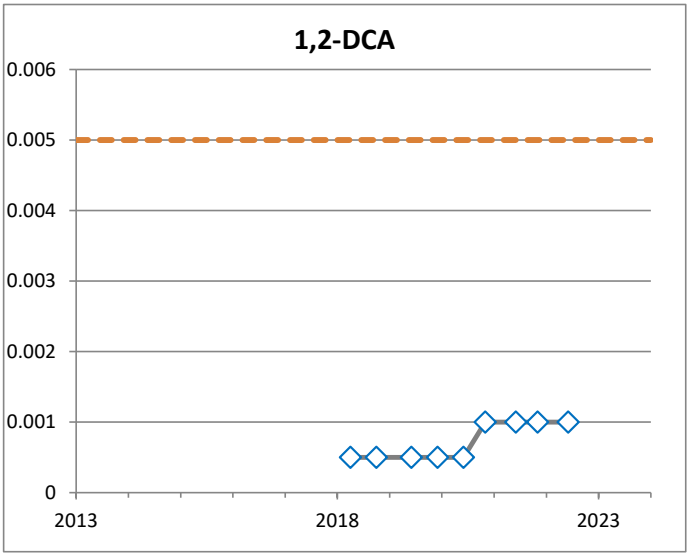
All samples are shown, including duplidates and multiple samples on the same date.

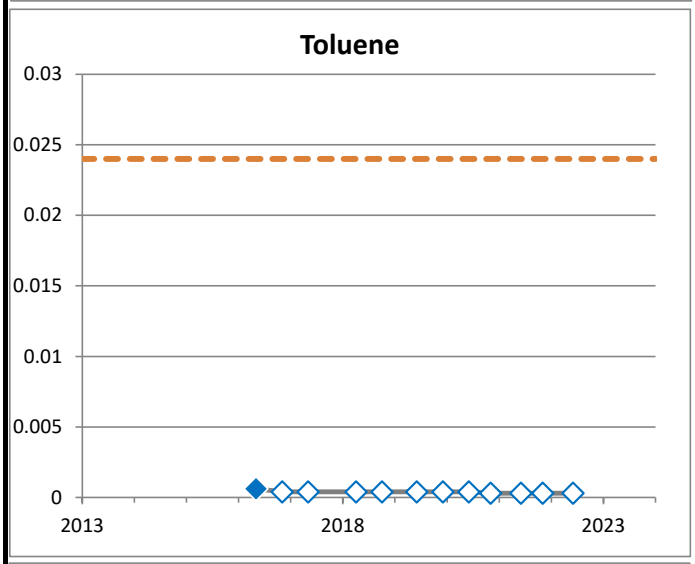
BH2001
(mg/L)

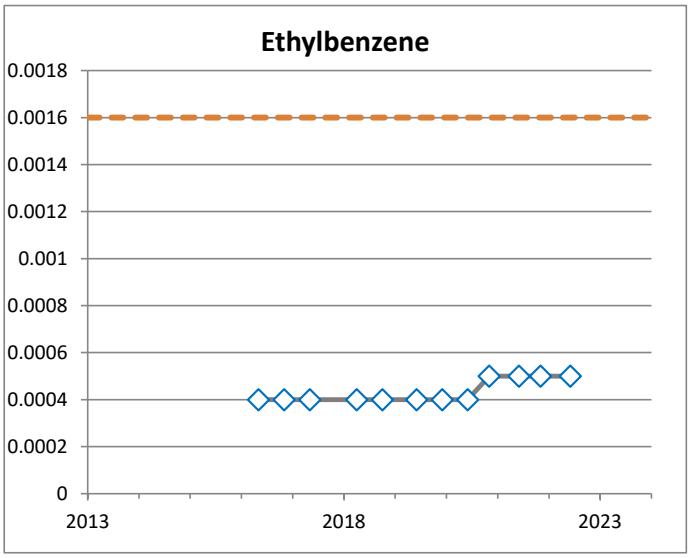
PARSONS

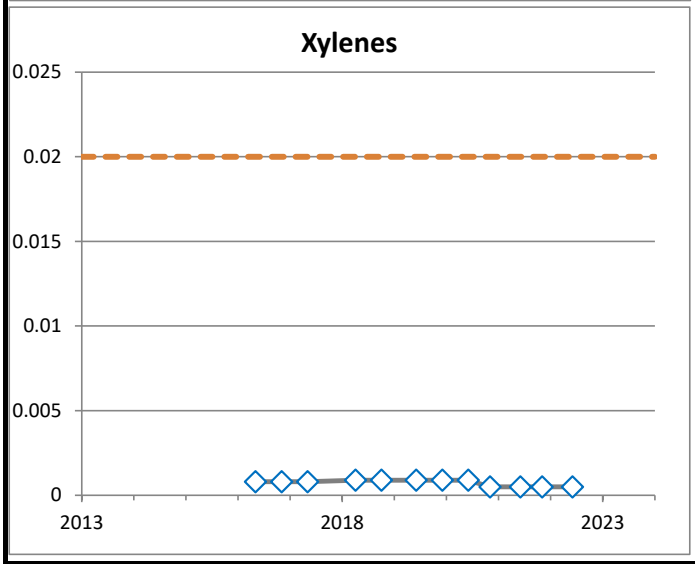
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-76	

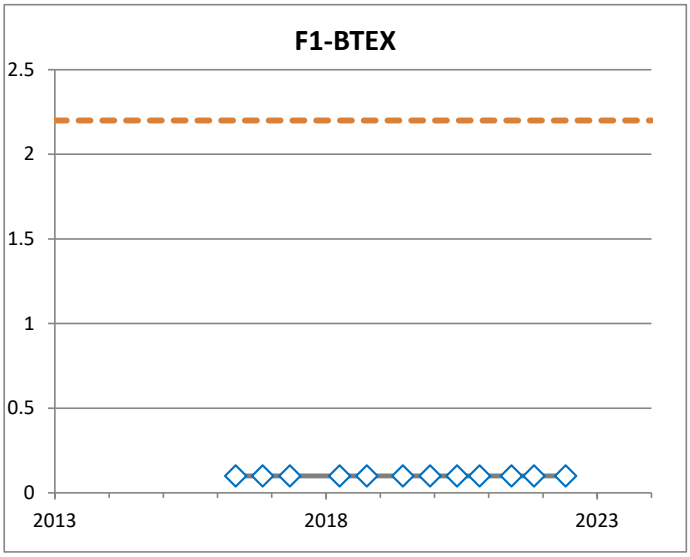












◇ Non-detect value

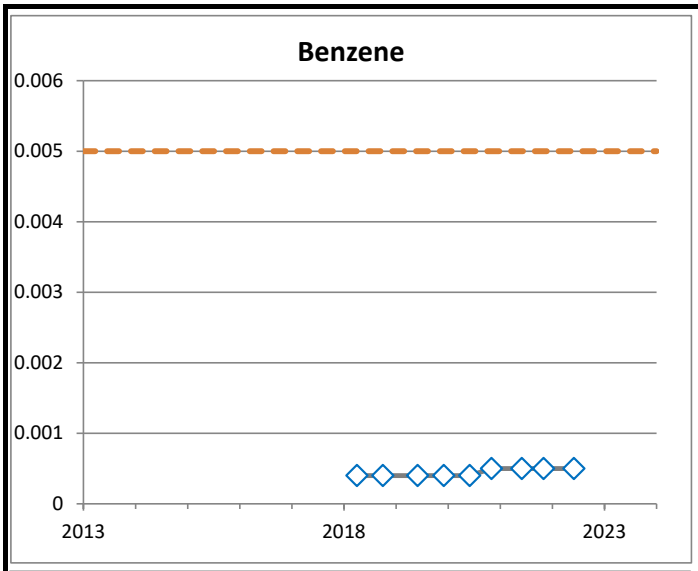
Drinking Water Guideline

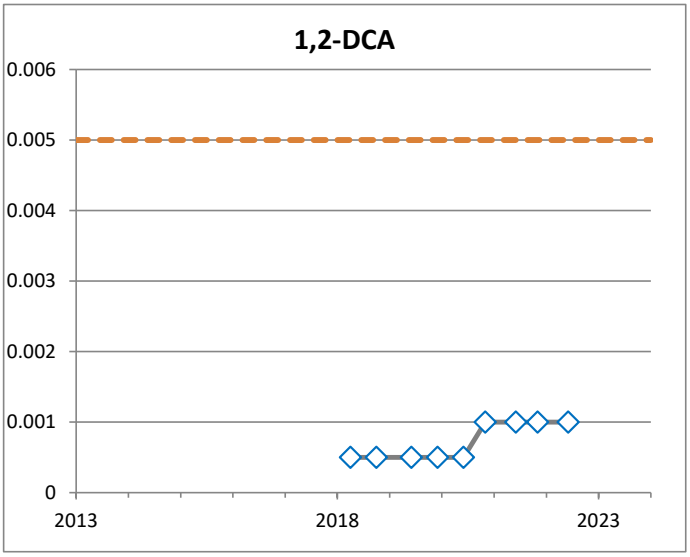
All samples are shown, including duplidates and multiple samples on the same date.

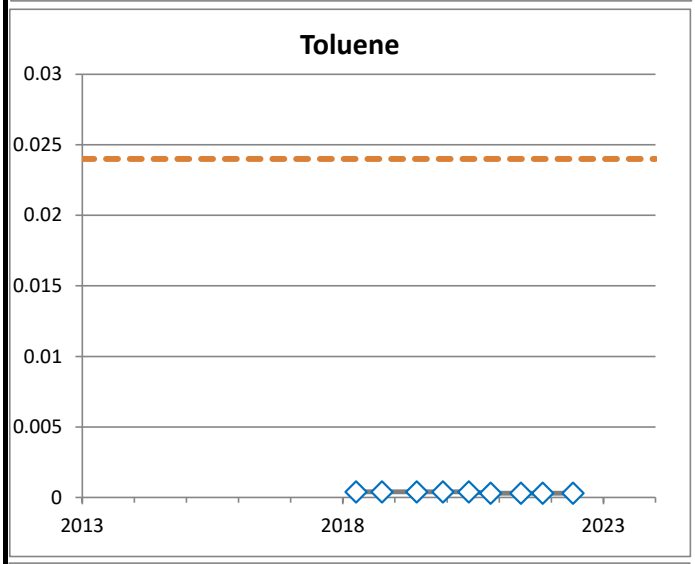
BH2002
(mg/L)

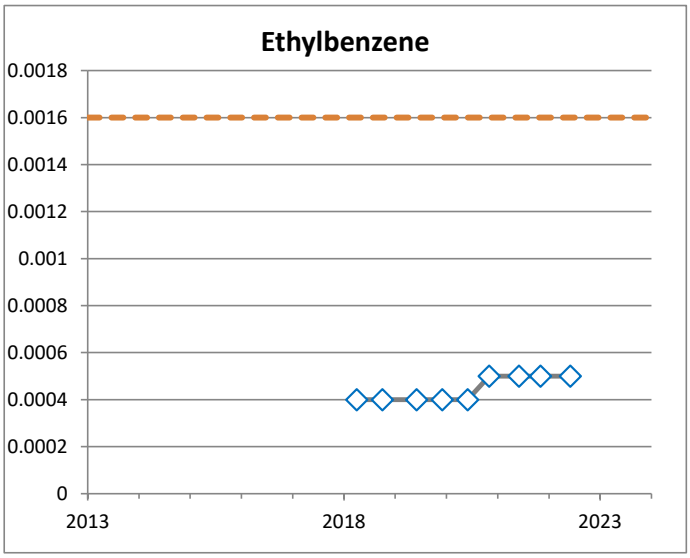
PARSONS

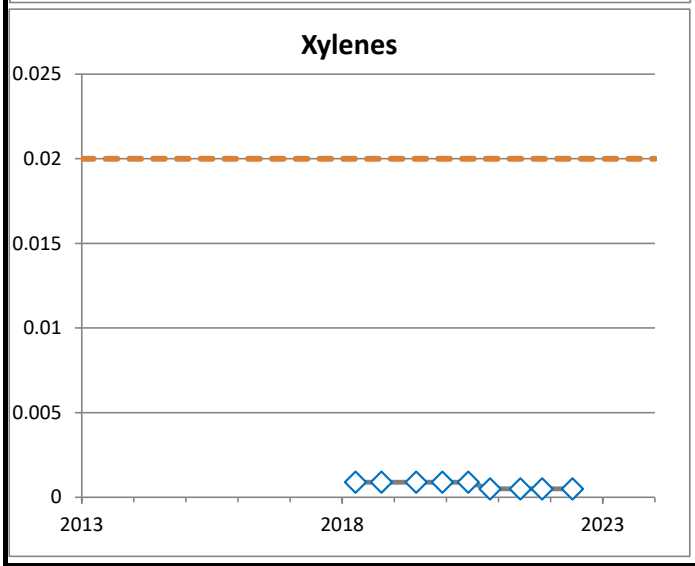
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-77	

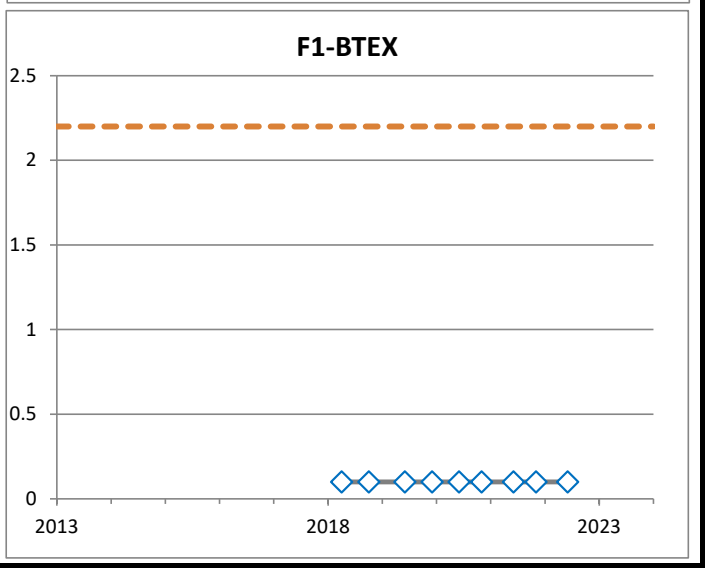












◇ Non-detect value

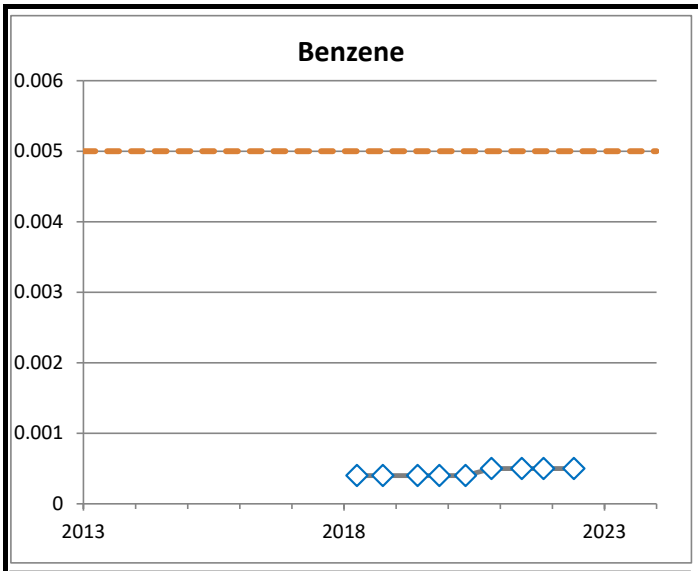
Drinking Water Guideline

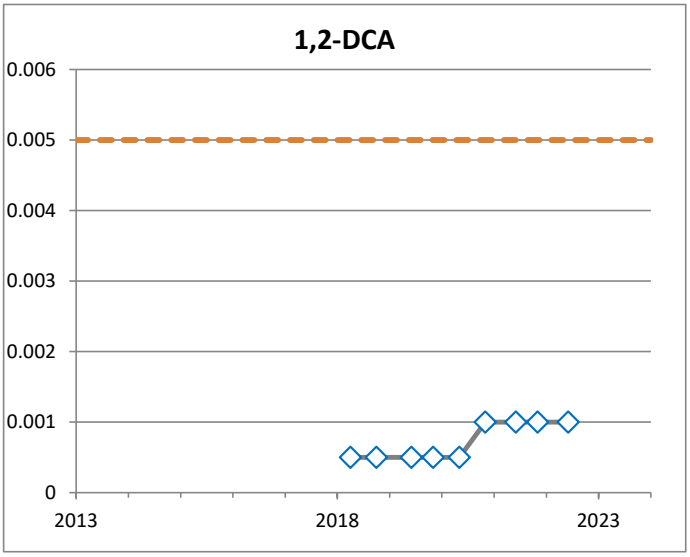
All samples are shown, including duplidates and multiple samples on the same date.

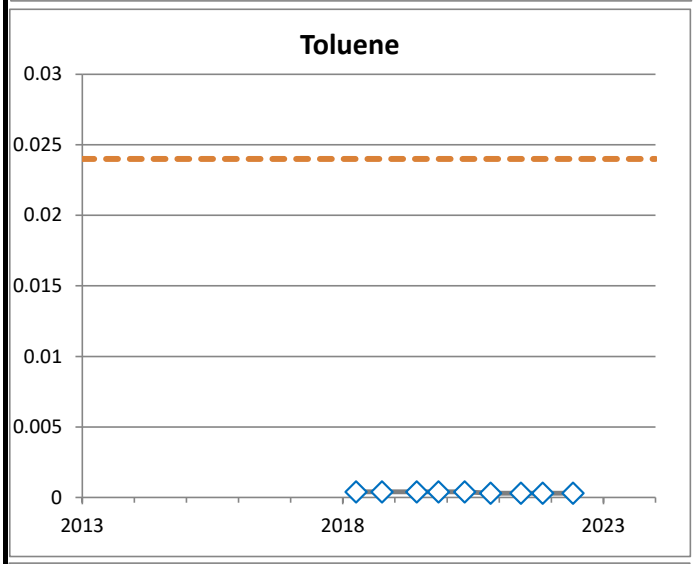
BH2003
(mg/L)

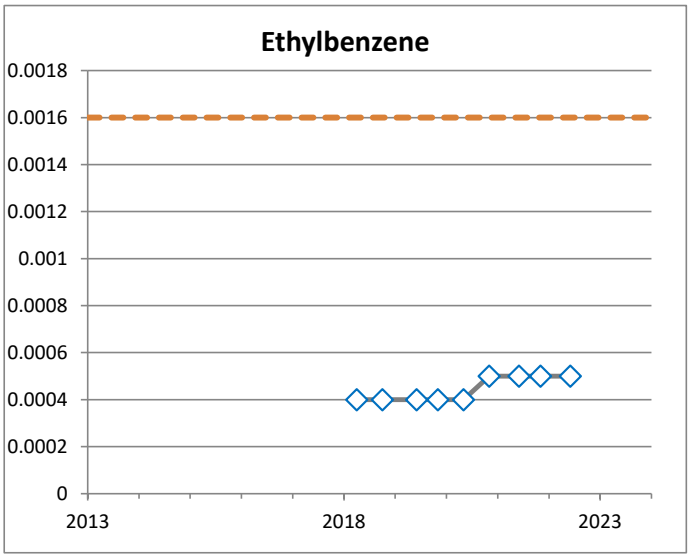
PARSONS

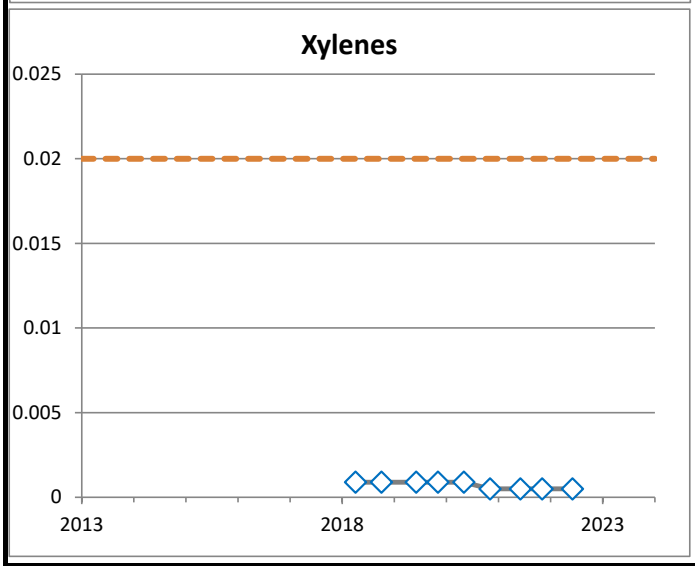
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-78	

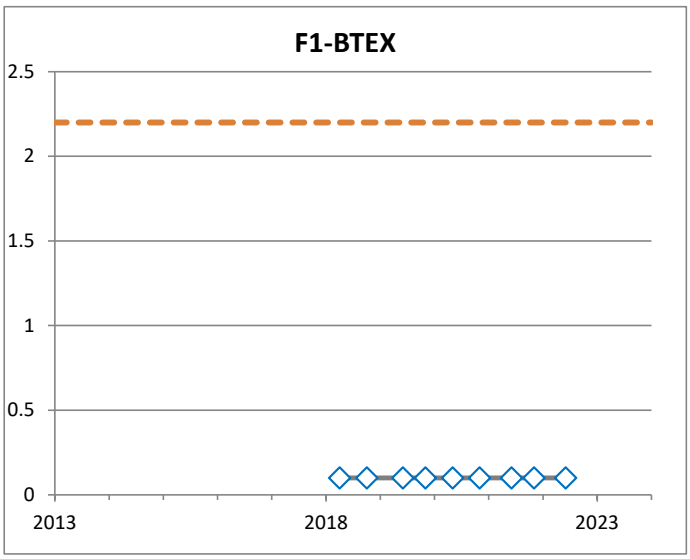












◇ Non-detect value

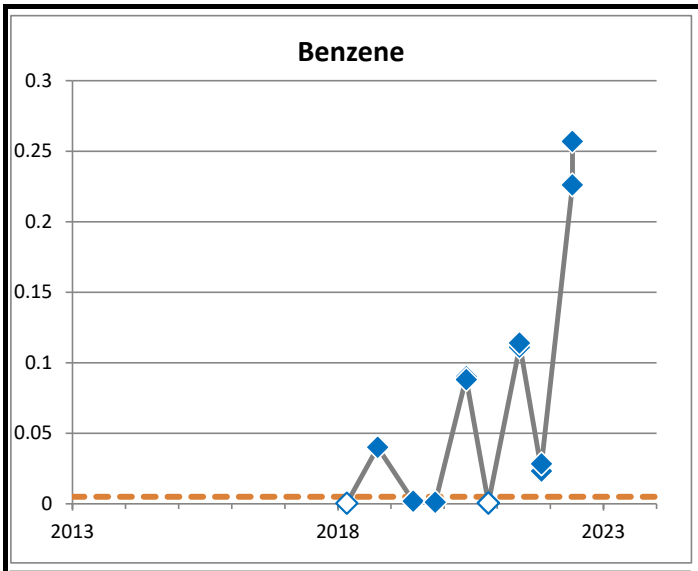
Drinking Water Guideline

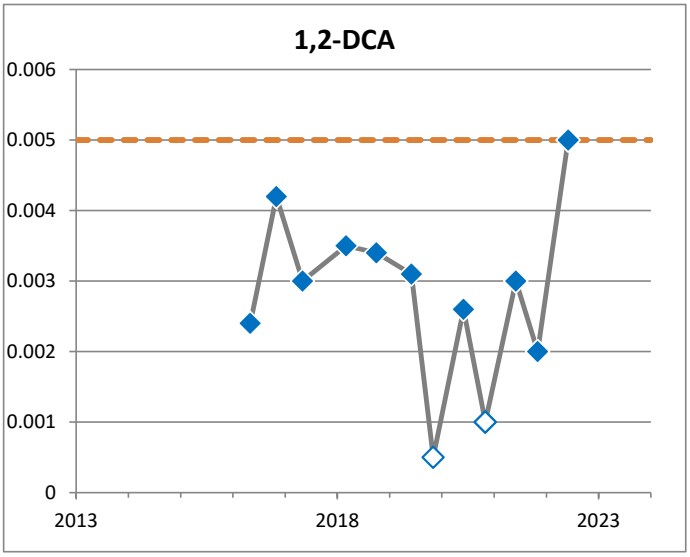
All samples are shown, including duplidates and multiple samples on the same date.

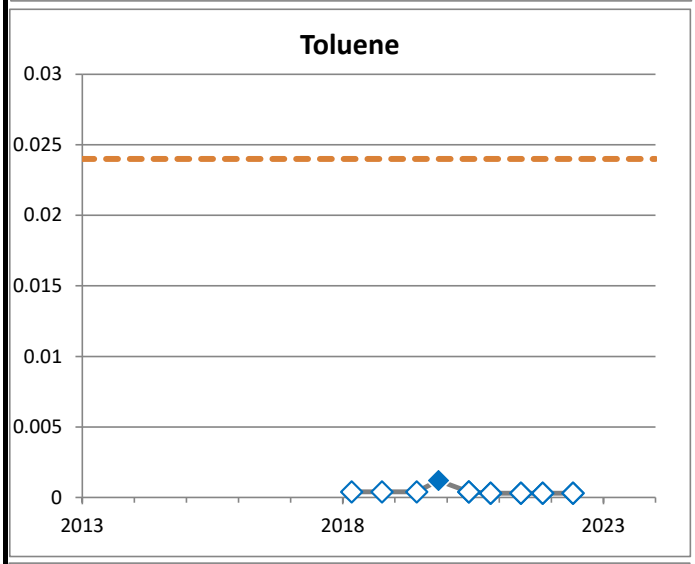
BH2004
(mg/L)

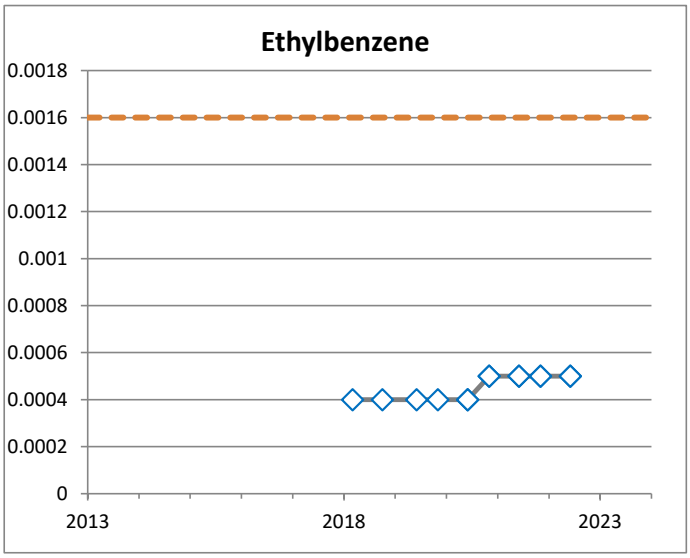
PARSONS

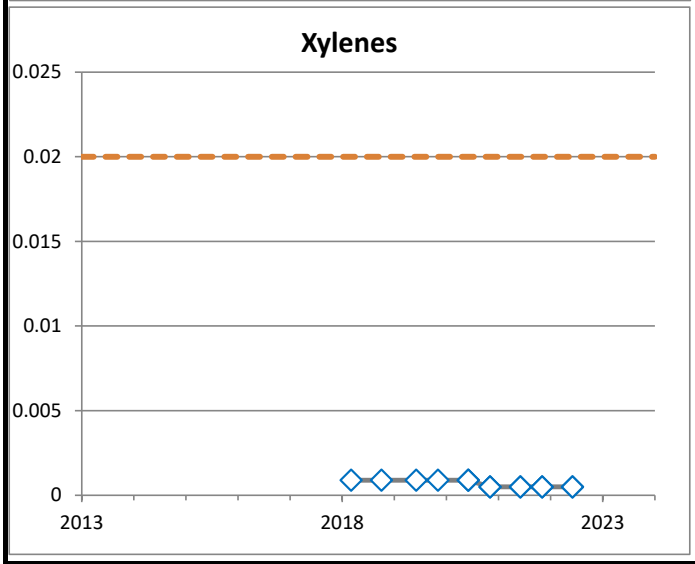
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-79		

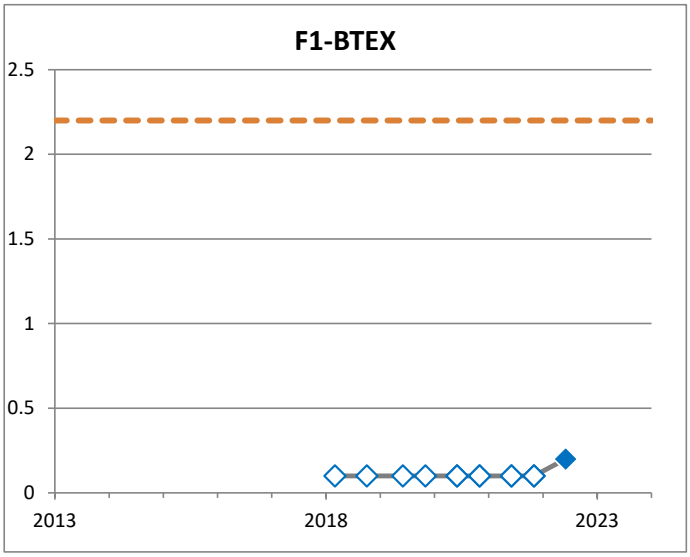












◇ Non-detect value

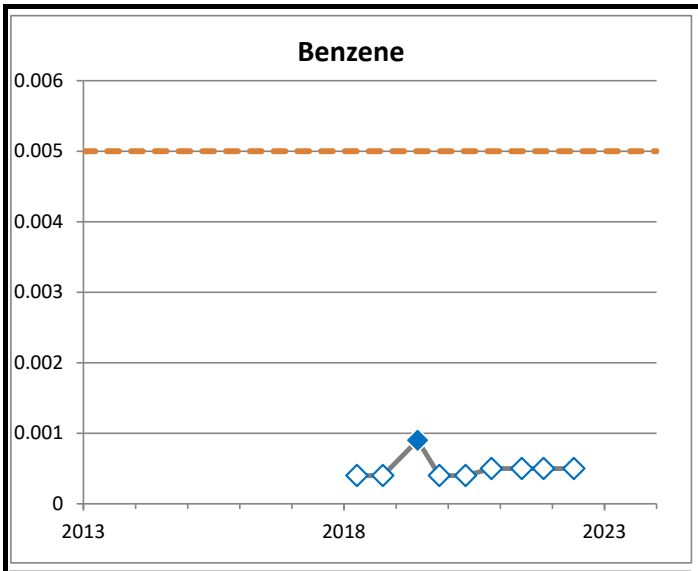
Drinking Water Guideline

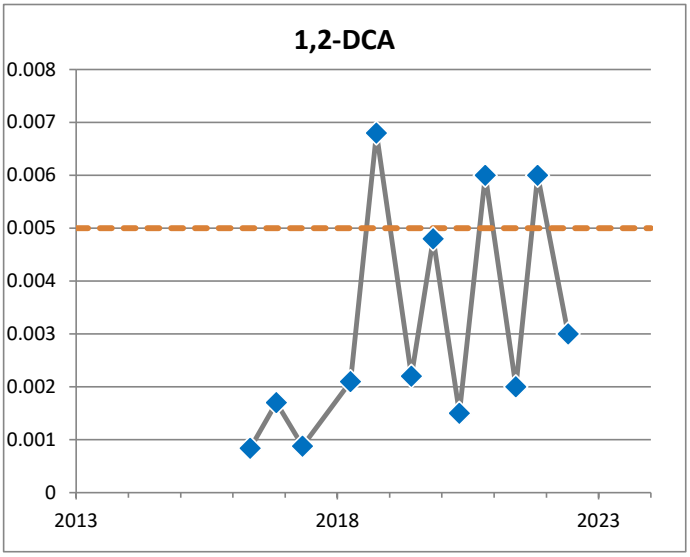
All samples are shown, including duplidates and multiple samples on the same date.

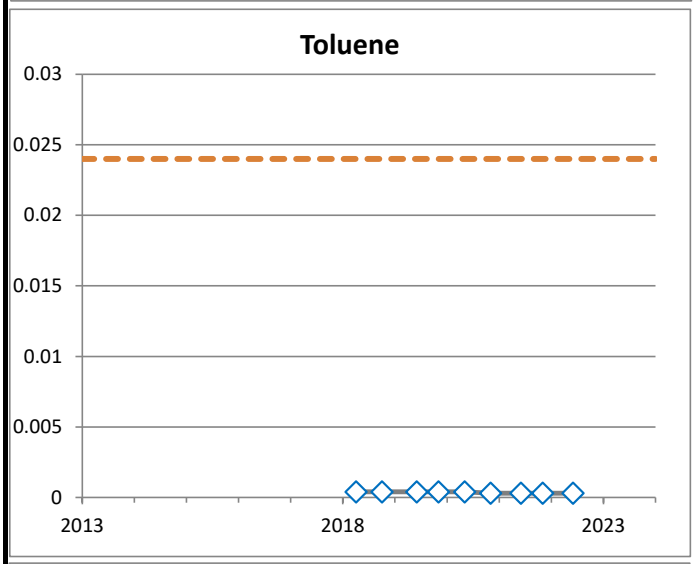
BH2005
(mg/L)

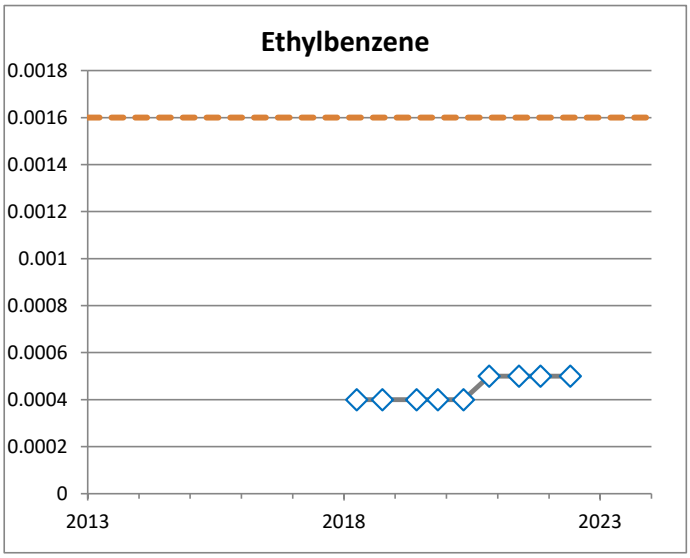
PARSONS

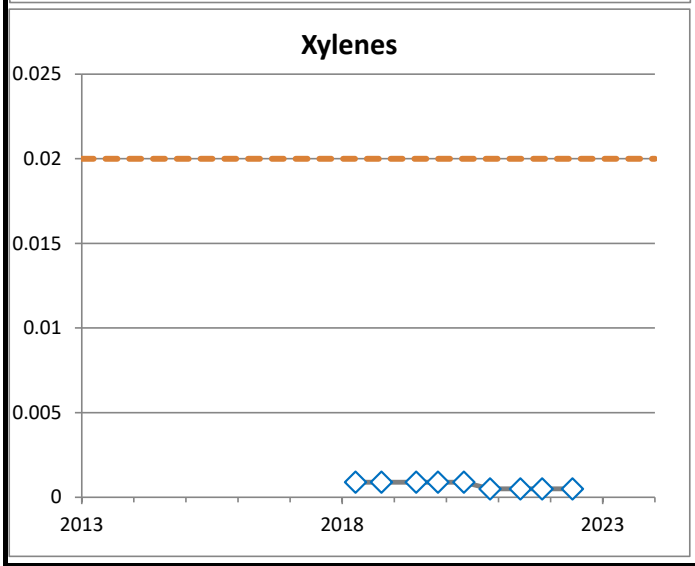
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-80		

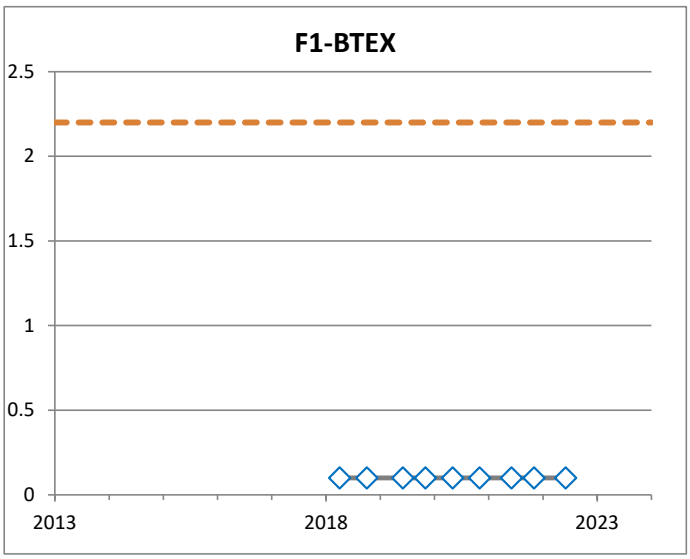












◇ Non-detect value

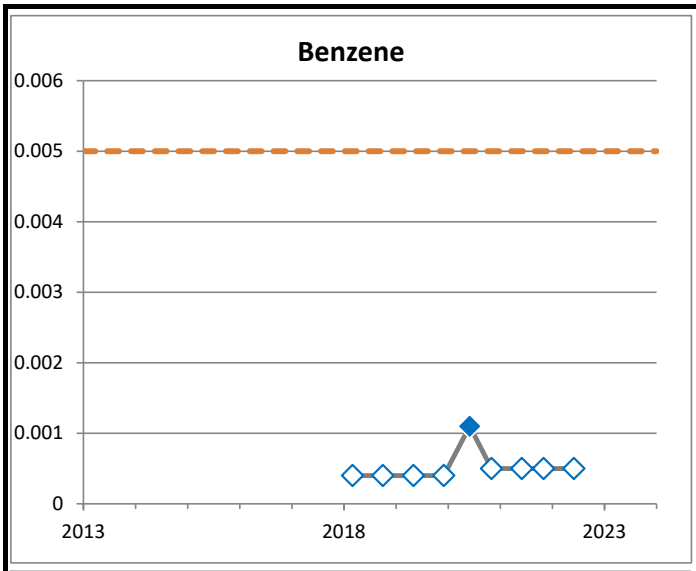
Drinking Water Guideline

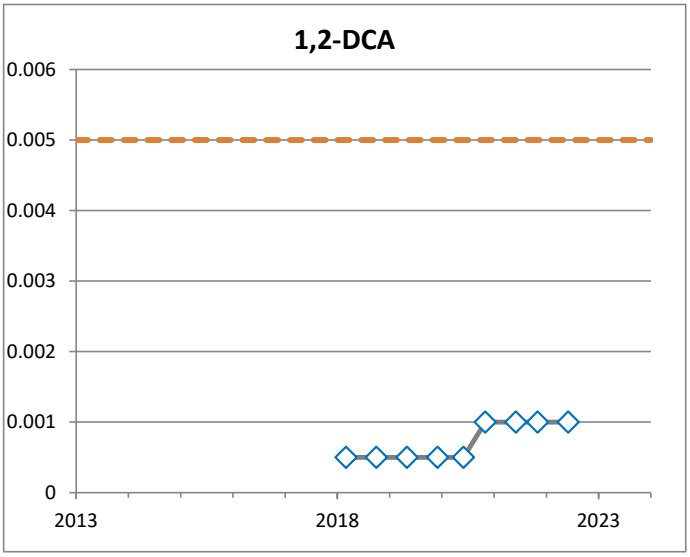
All samples are shown, including duplidates and multiple samples on the same date.

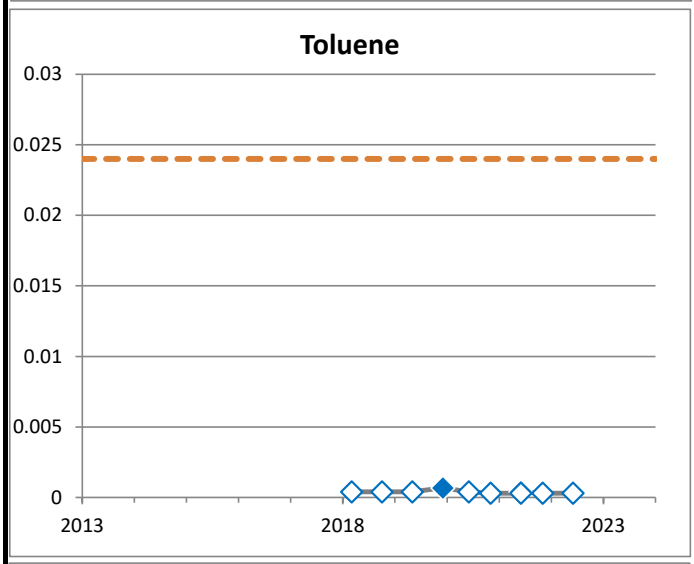
BH2006
(mg/L)

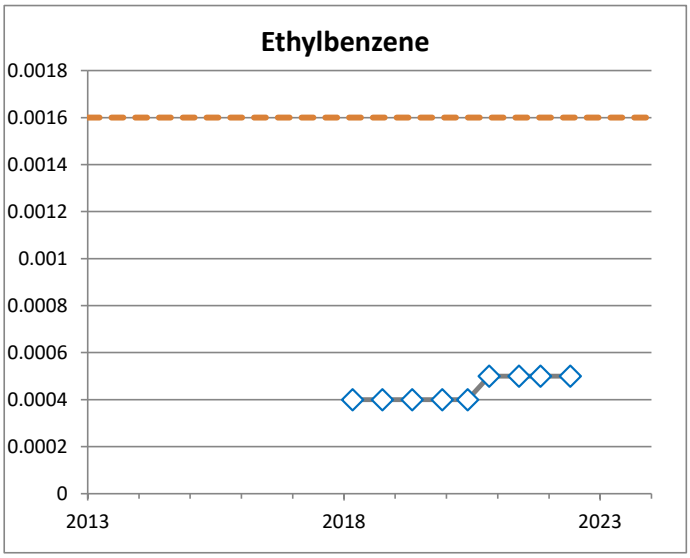
PARSONS

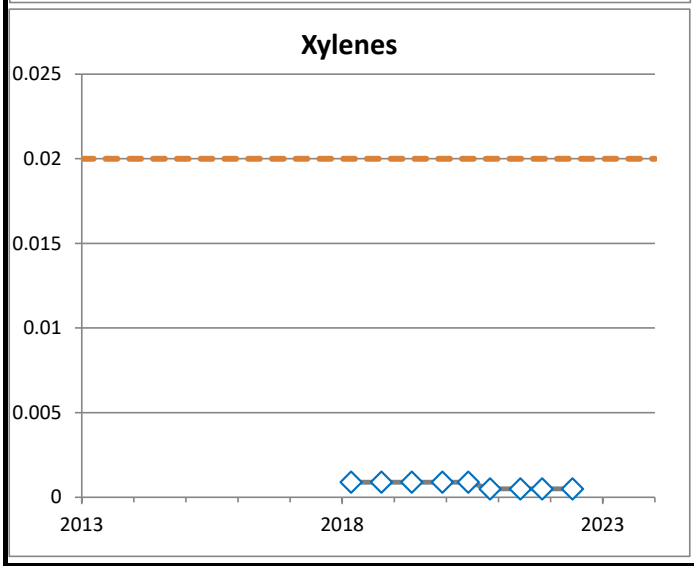
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-81		

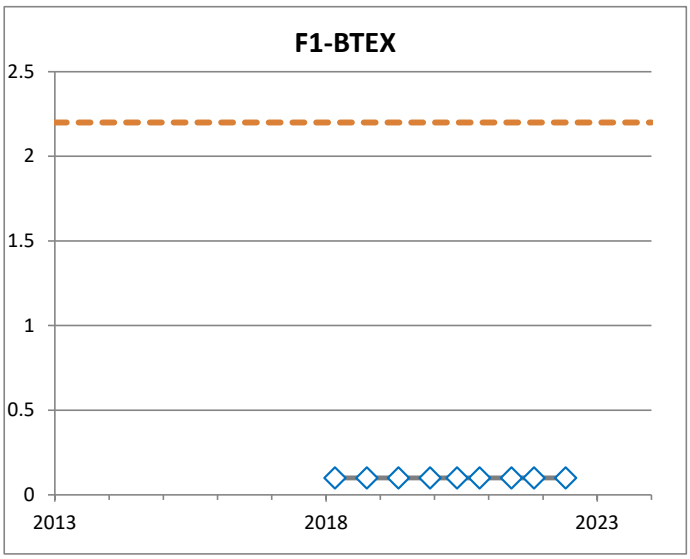












◇ Non-detect value

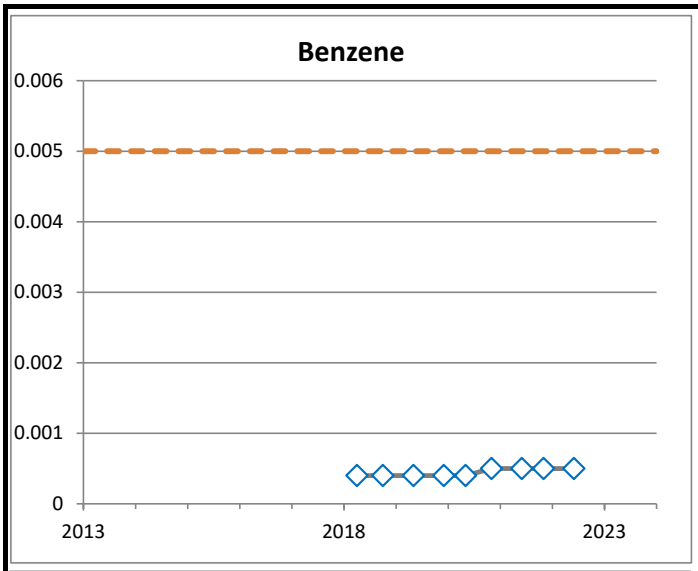
Drinking Water Guideline

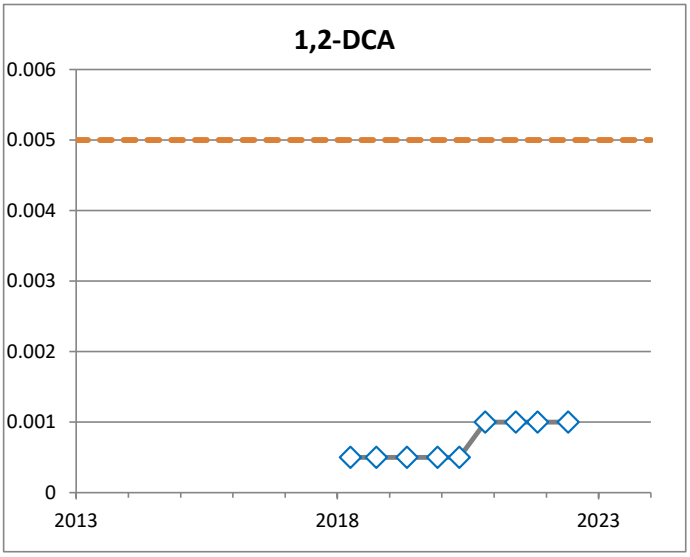
All samples are shown, including duplidates and multiple samples on the same date.

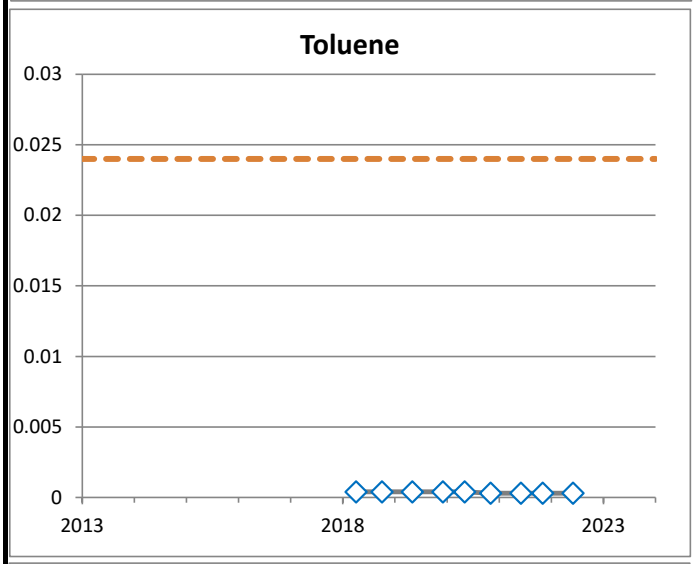
BH2007
(mg/L)

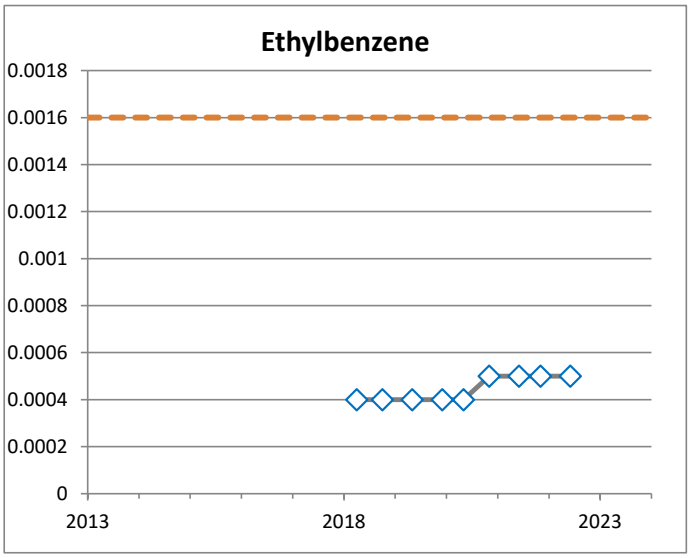
PARSONS

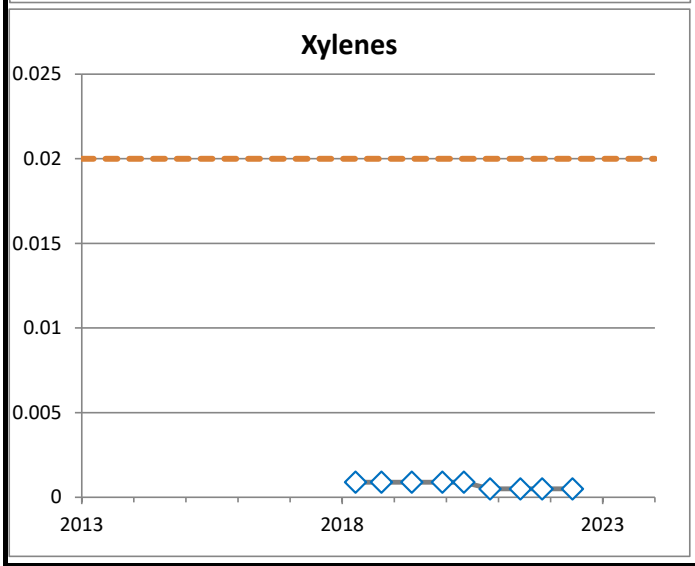
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-82		

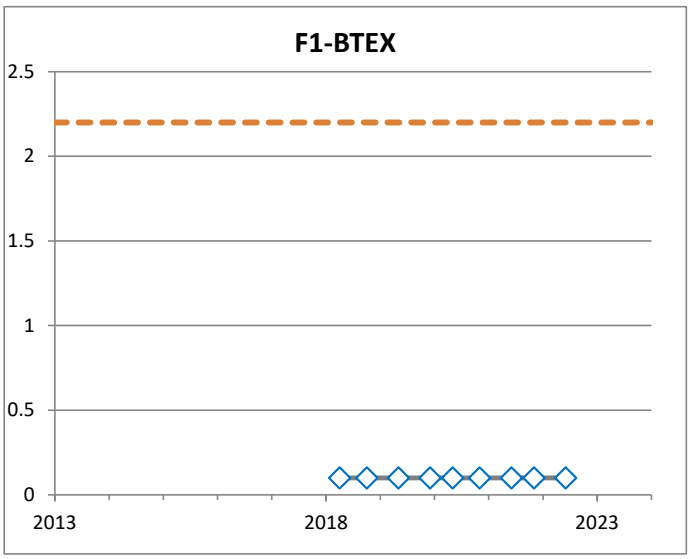












◇ Non-detect value

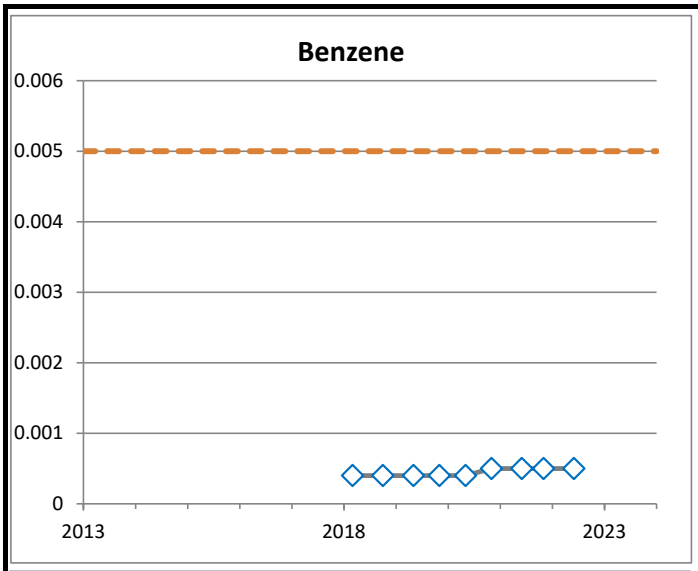
Drinking Water Guideline

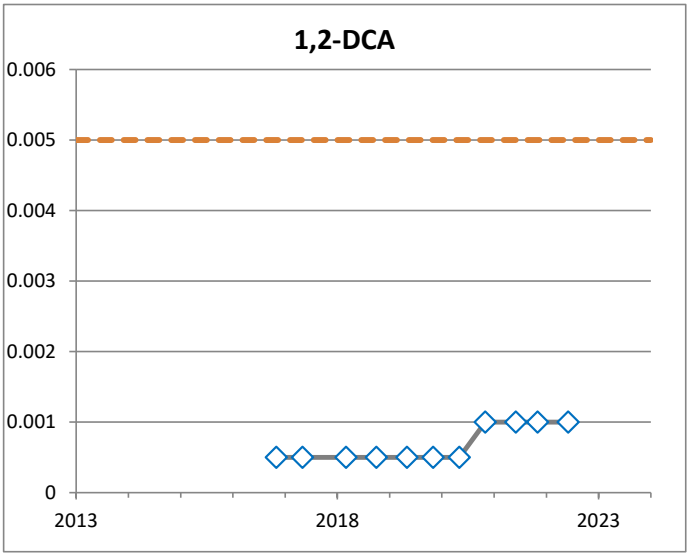
All samples are shown, including duplidates and multiple samples on the same date.

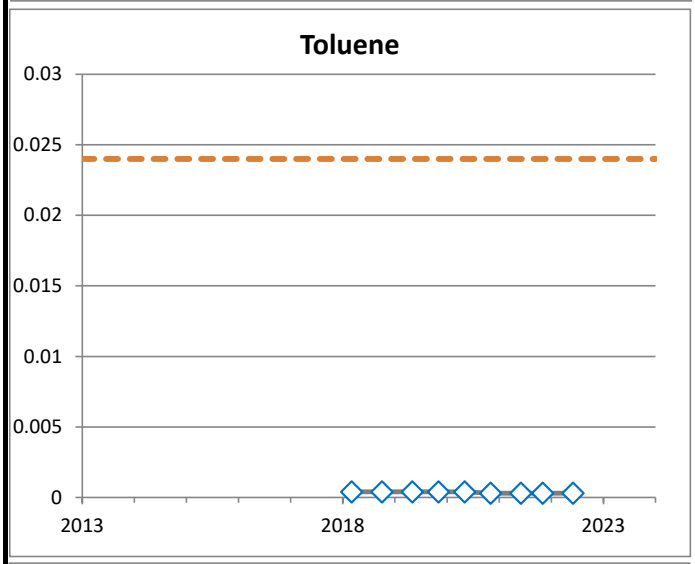
BH2008
(mg/L)

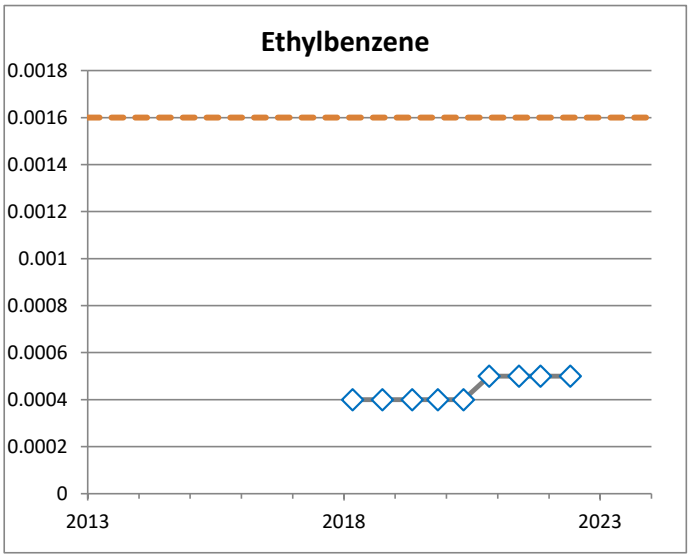
PARSONS

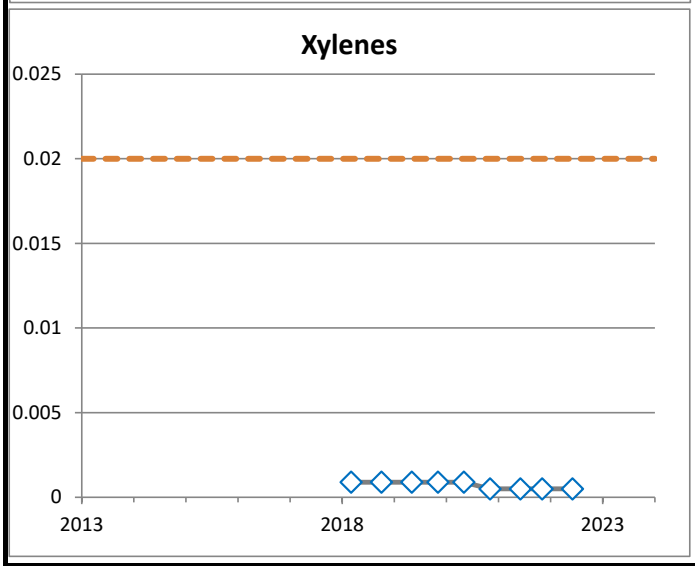
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-83		

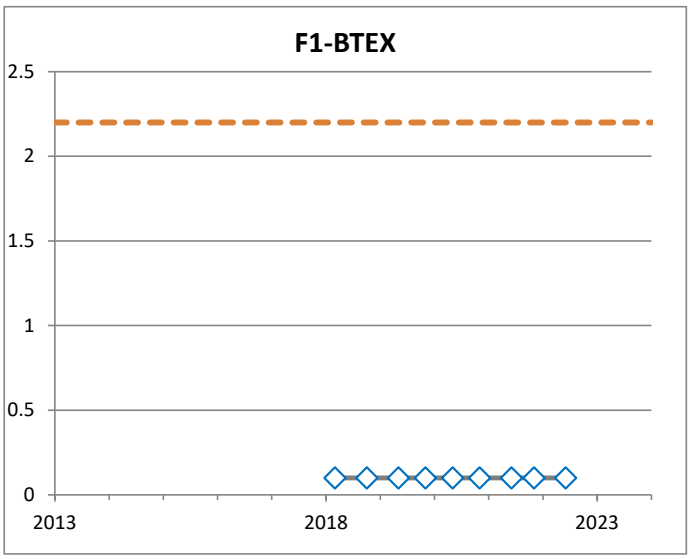












◇ Non-detect value

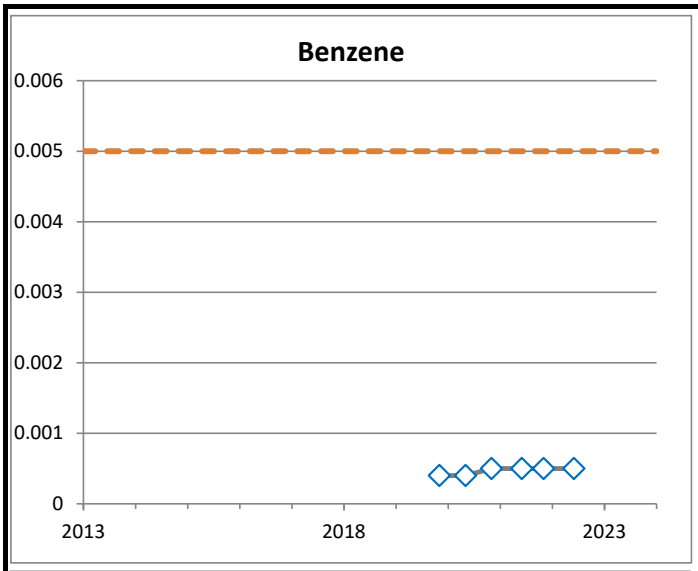
Drinking Water Guideline

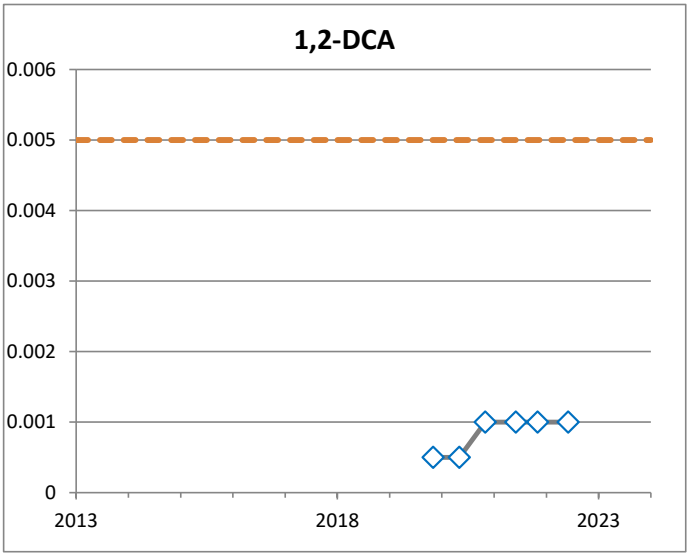
All samples are shown, including duplidates and multiple samples on the same date.

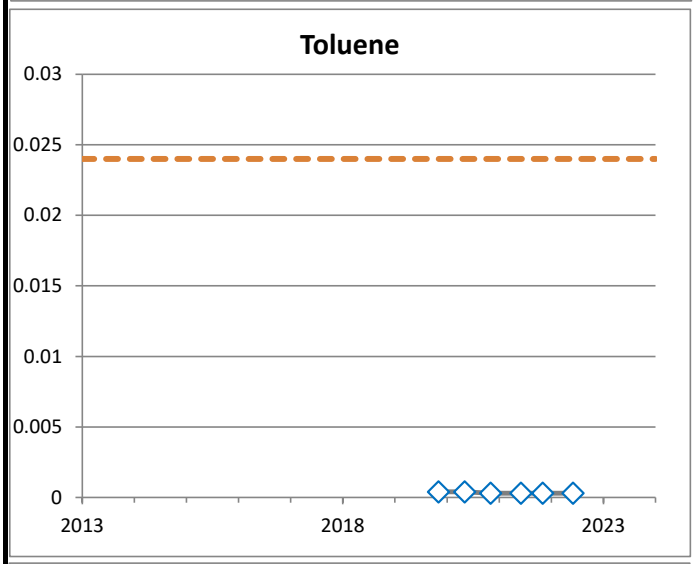
BH2010
(mg/L)

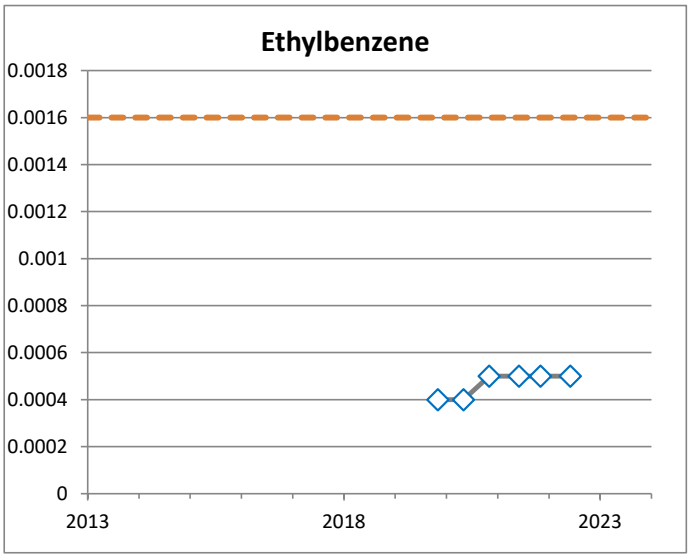
PARSONS

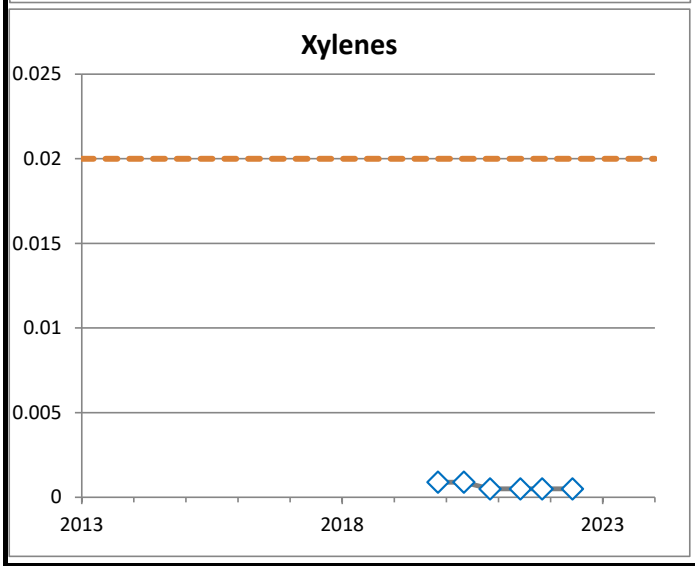
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-84	

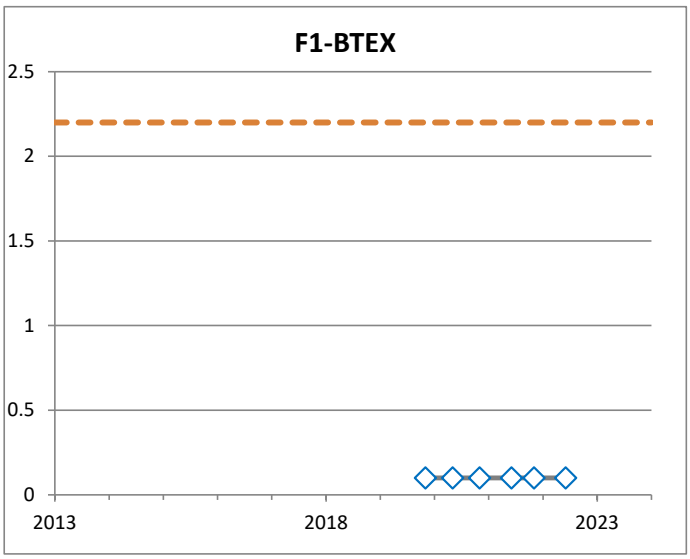












◇ Non-detect value

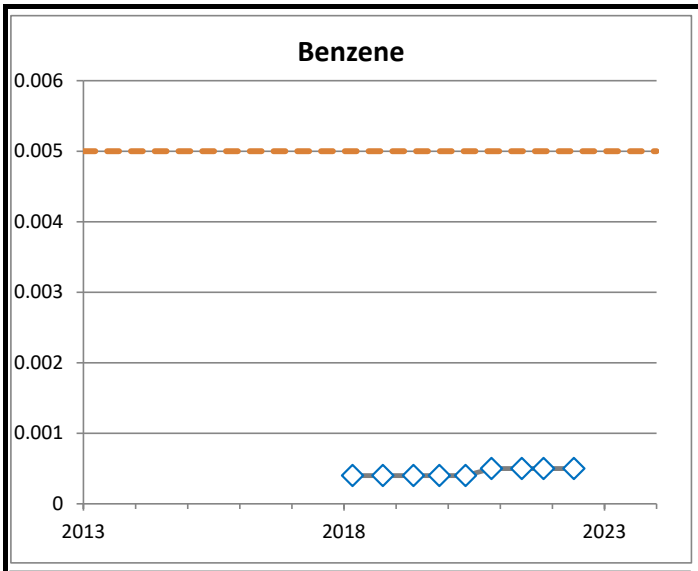
Drinking Water Guideline

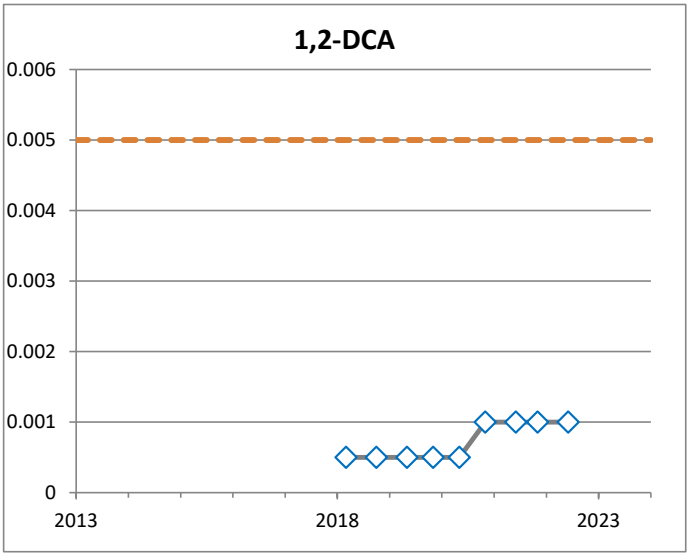
All samples are shown, including duplidates and multiple samples on the same date.

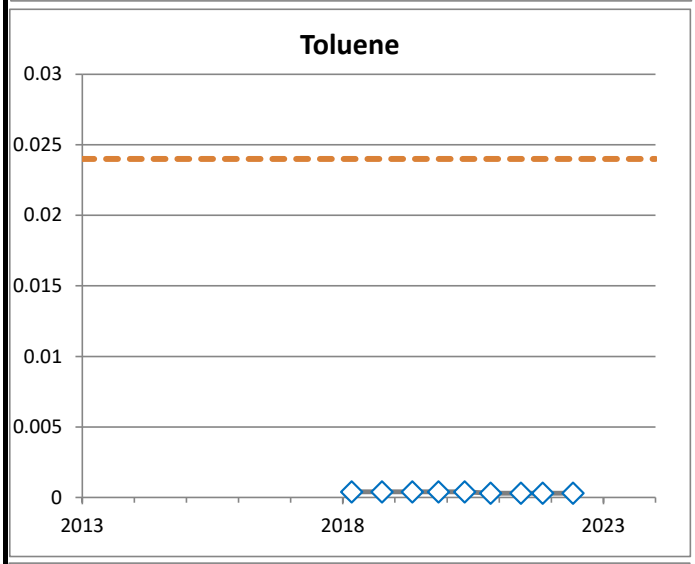
BH2011
(mg/L)

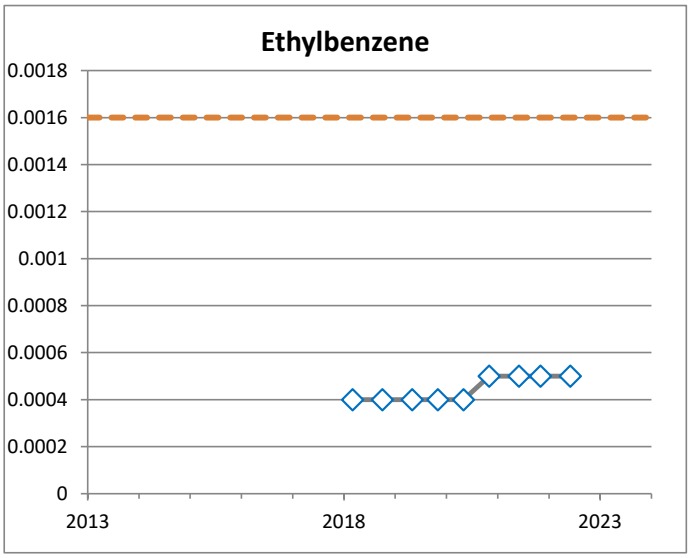
PARSONS

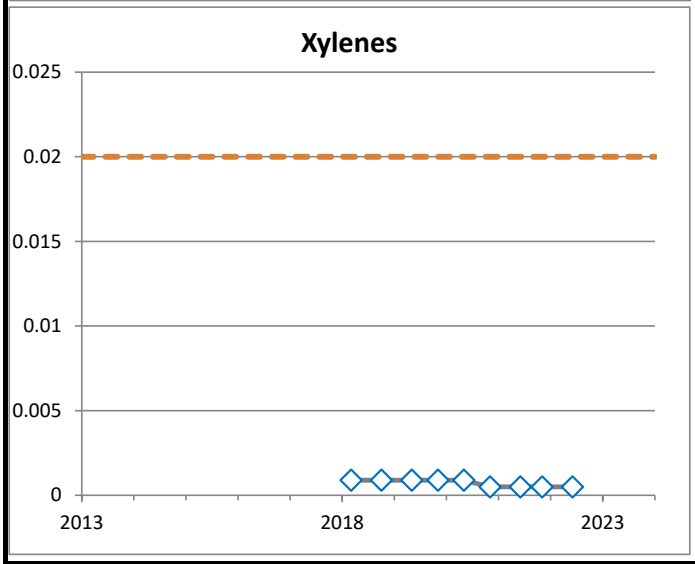
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-85		

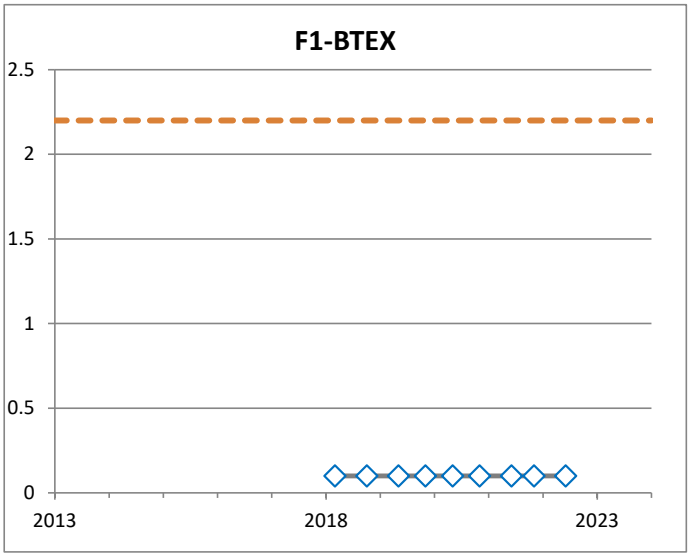












◇ Non-detect value

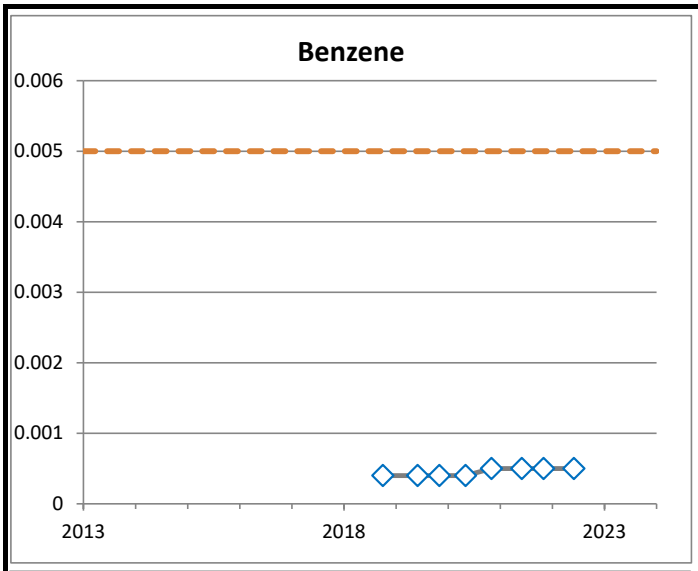
Drinking Water Guideline

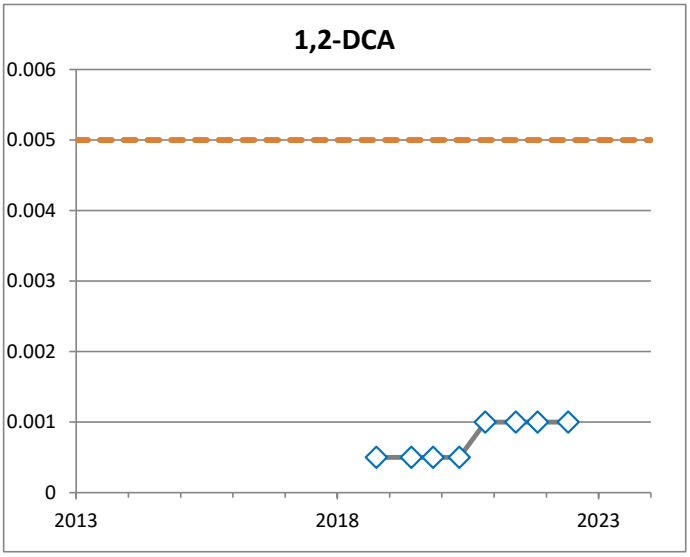
All samples are shown, including duplidates and multiple samples on the same date.

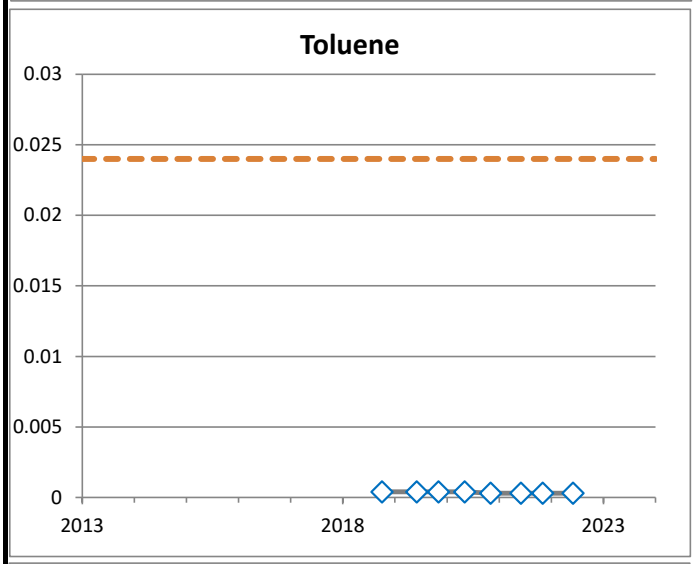
BH2012
(mg/L)

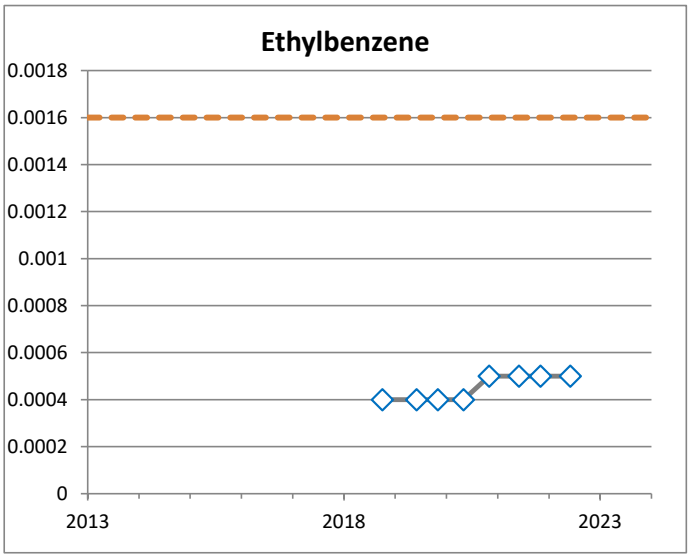
PARSONS

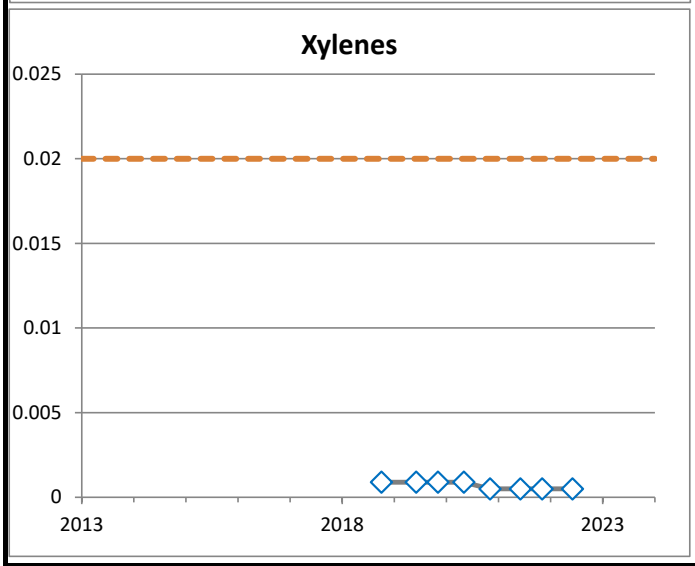
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-86		

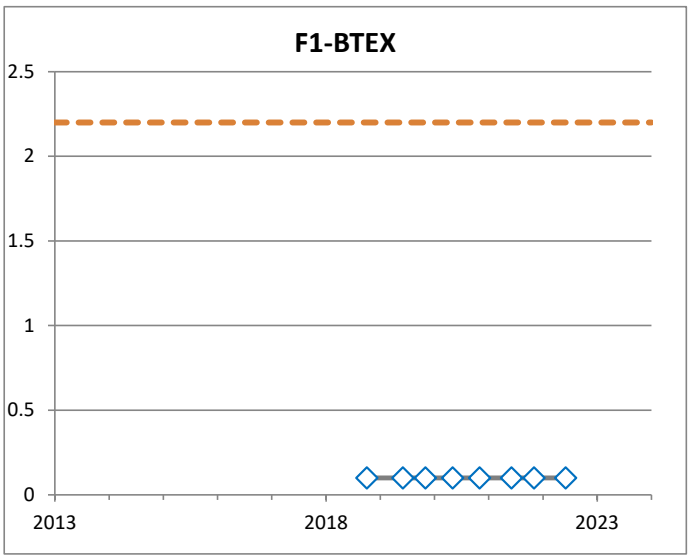












◇ Non-detect value

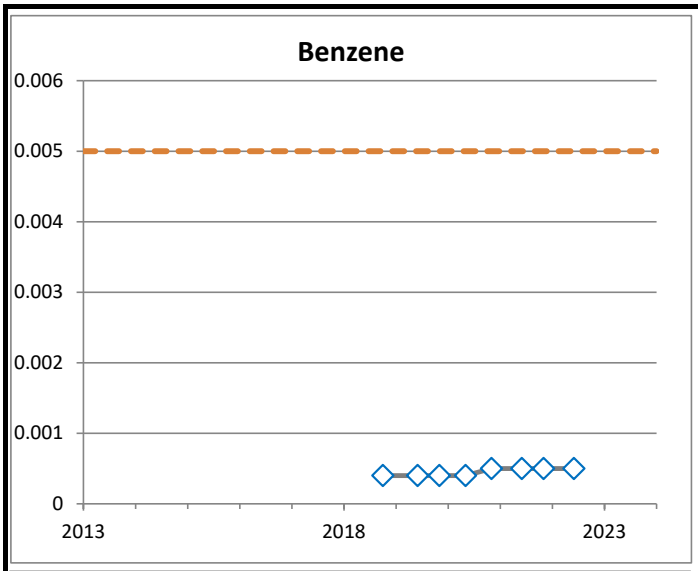
Drinking Water Guideline

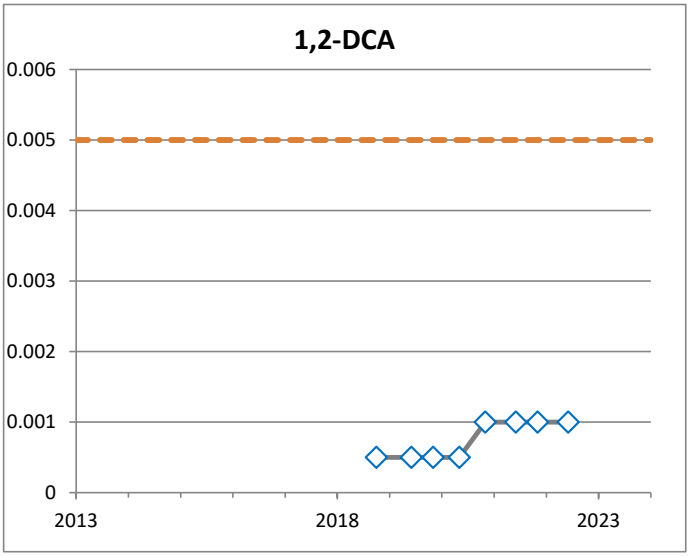
All samples are shown, including duplidates and multiple samples on the same date.

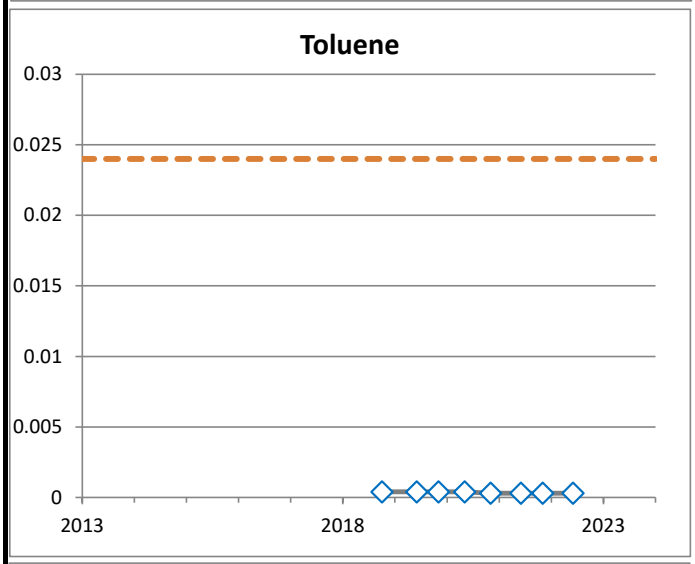
BH3001A
(mg/L)

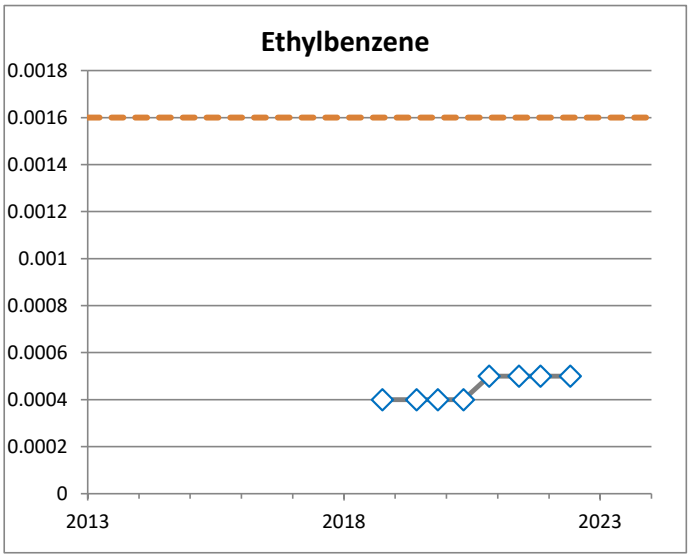
PARSONS

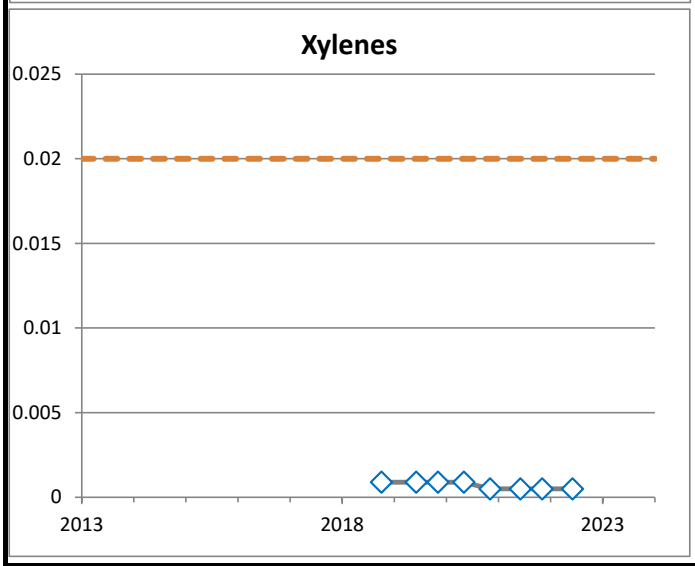
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-87	

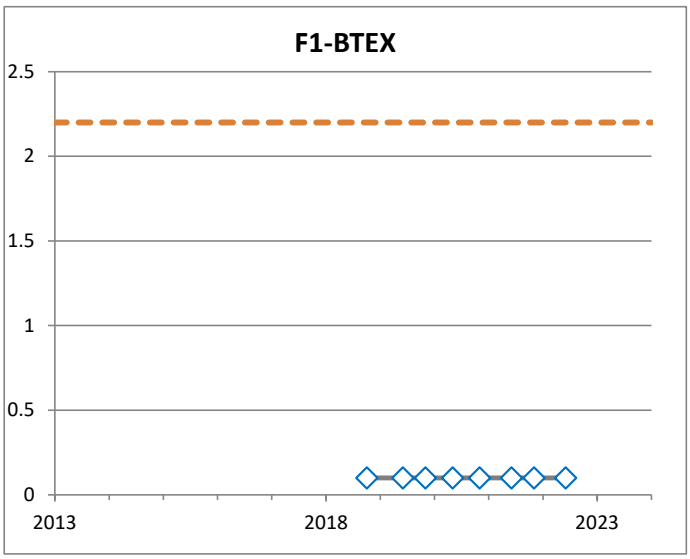












◇ Non-detect value

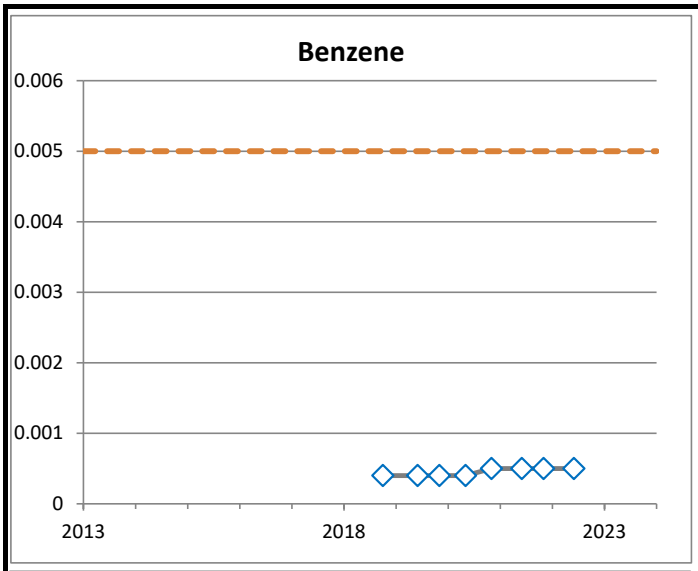
Drinking Water Guideline

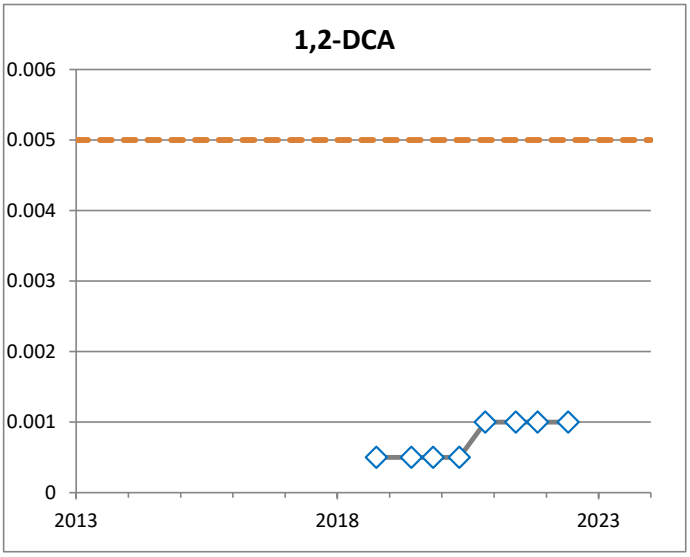
All samples are shown, including duplidates and multiple samples on the same date.

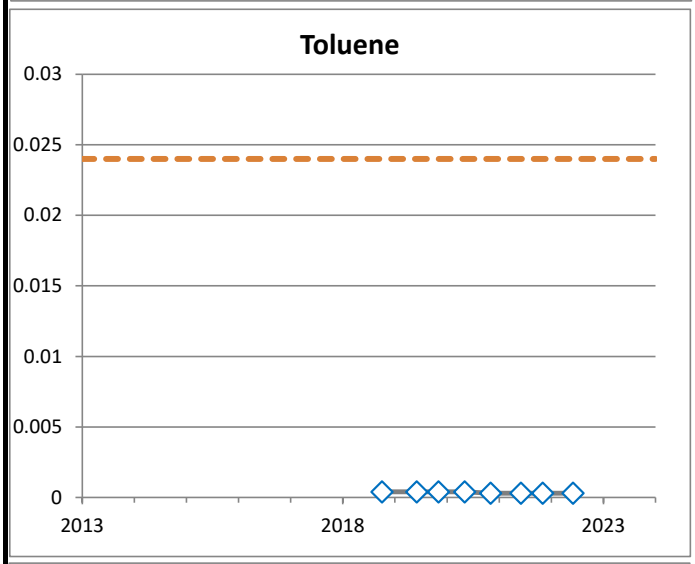
BH3001B
(mg/L)

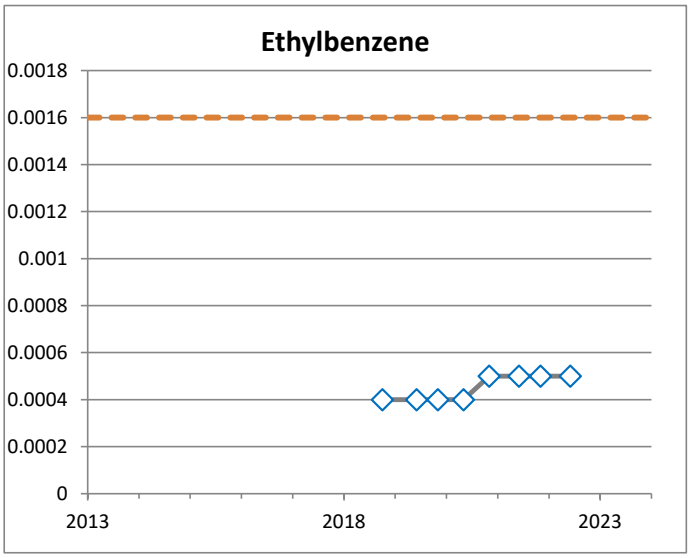
PARSONS

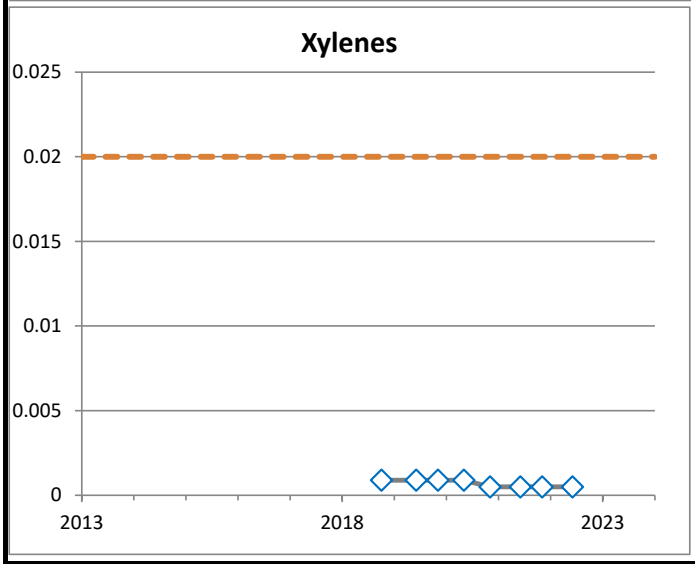
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-88	

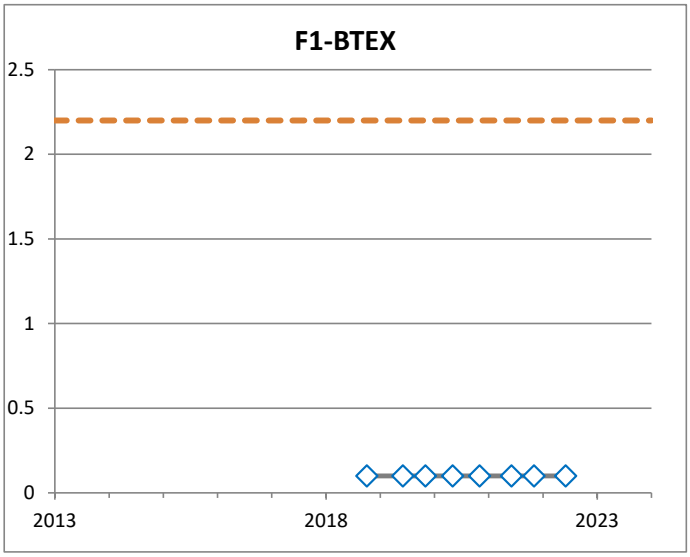












◇ Non-detect value

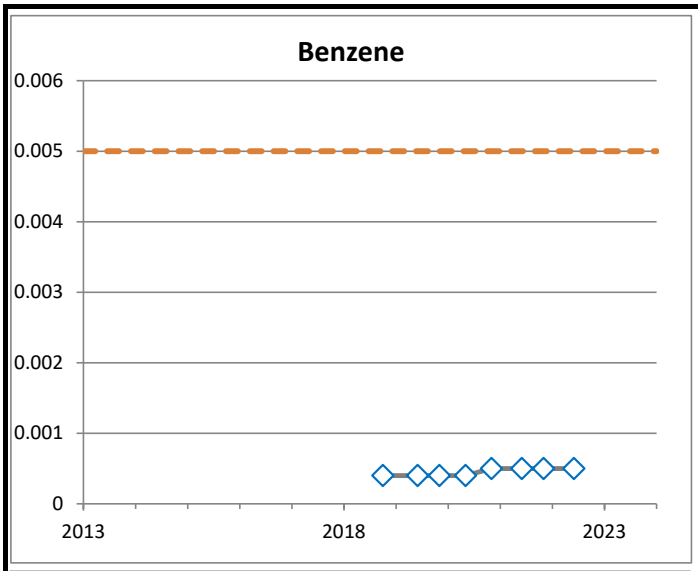
Drinking Water Guideline

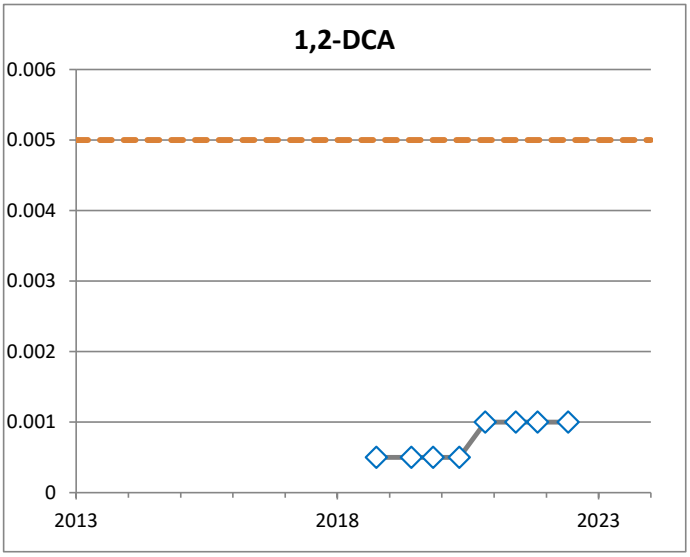
All samples are shown, including duplidates and multiple samples on the same date.

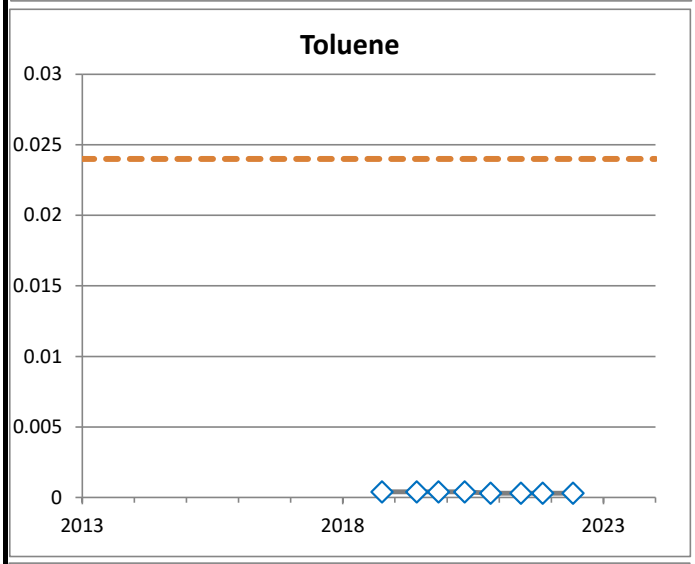
BH3001C
(mg/L)

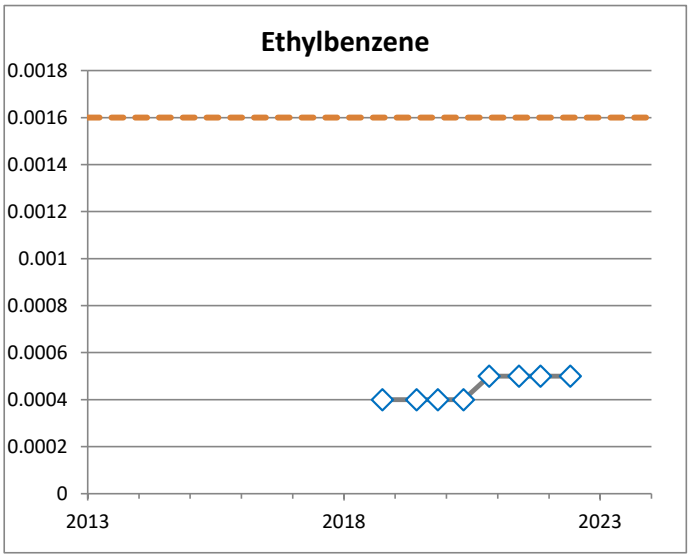
PARSONS

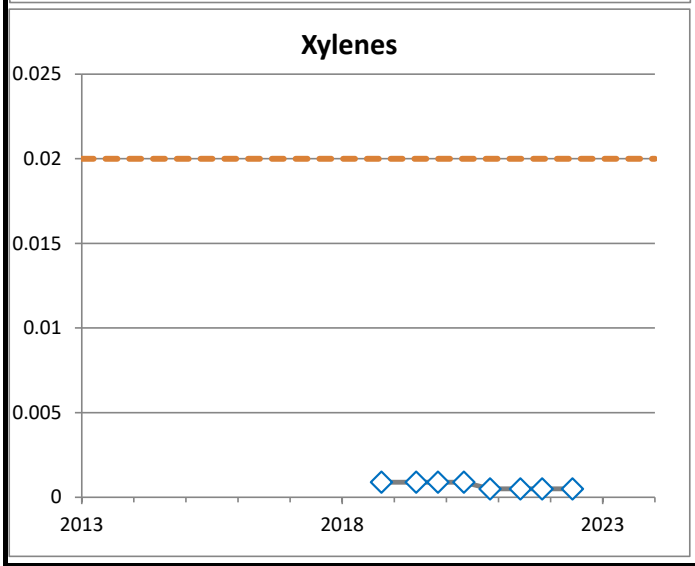
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-89	

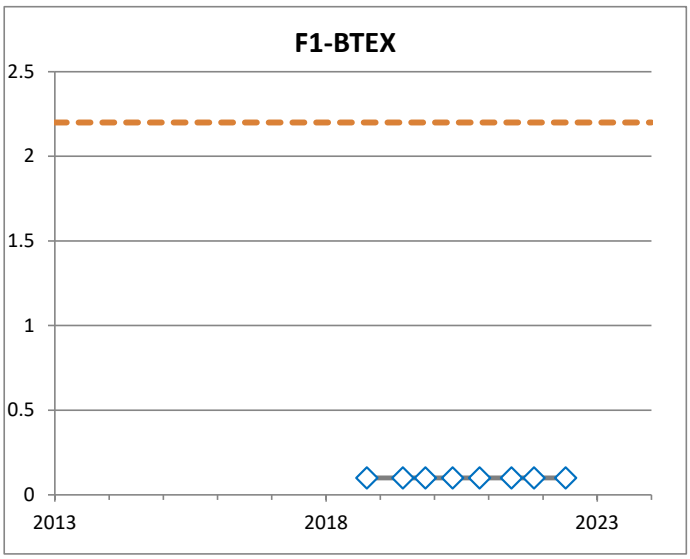












◇ Non-detect value

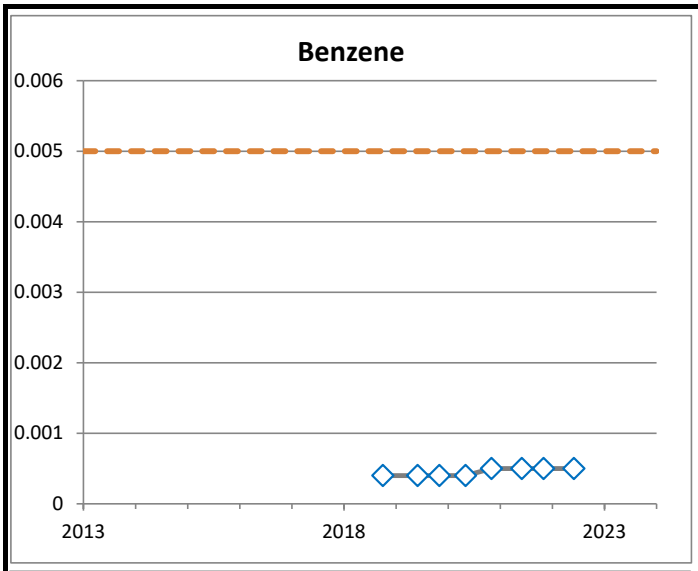
Drinking Water Guideline

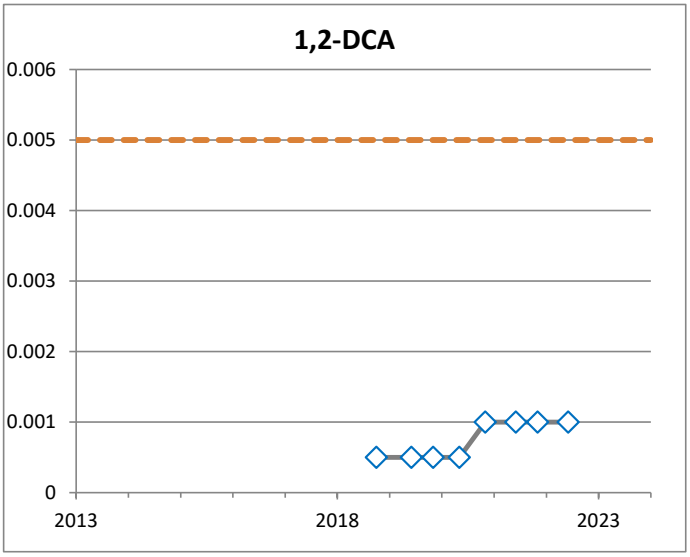
All samples are shown, including duplidates and multiple samples on the same date.

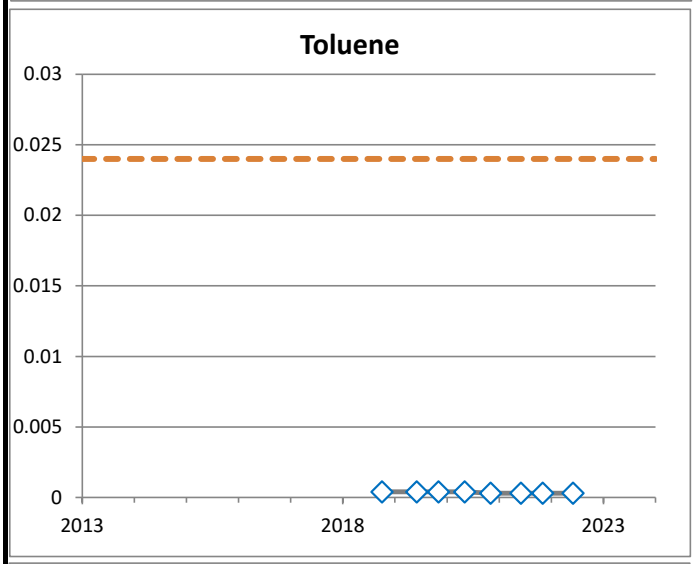
BH3002A
(mg/L)

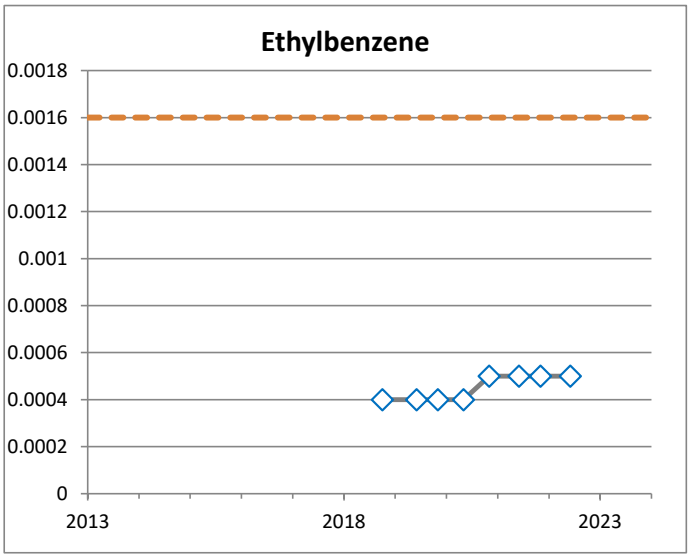
PARSONS

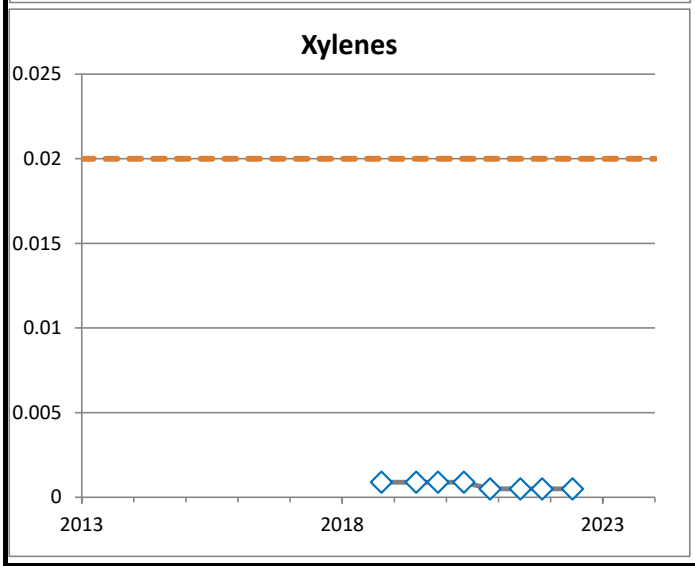
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-90	

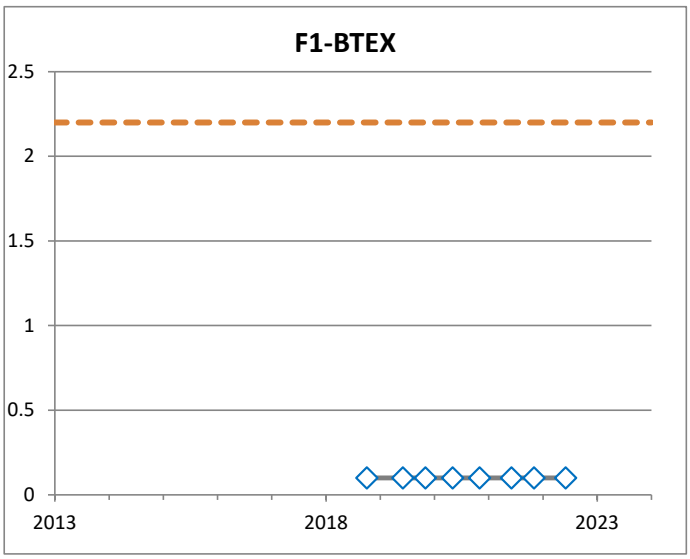












◇ Non-detect value

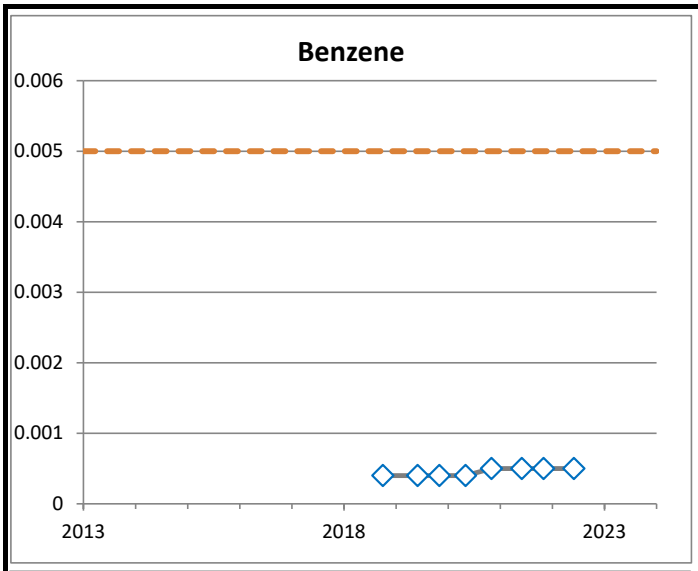
Drinking Water Guideline

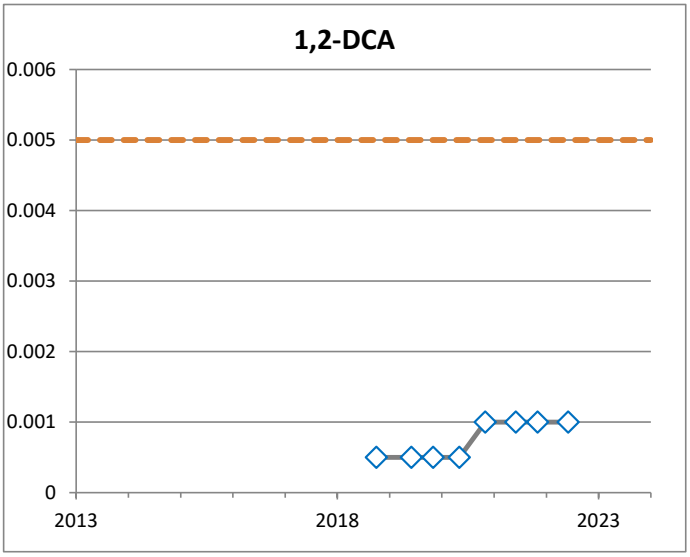
All samples are shown, including duplidates and multiple samples on the same date.

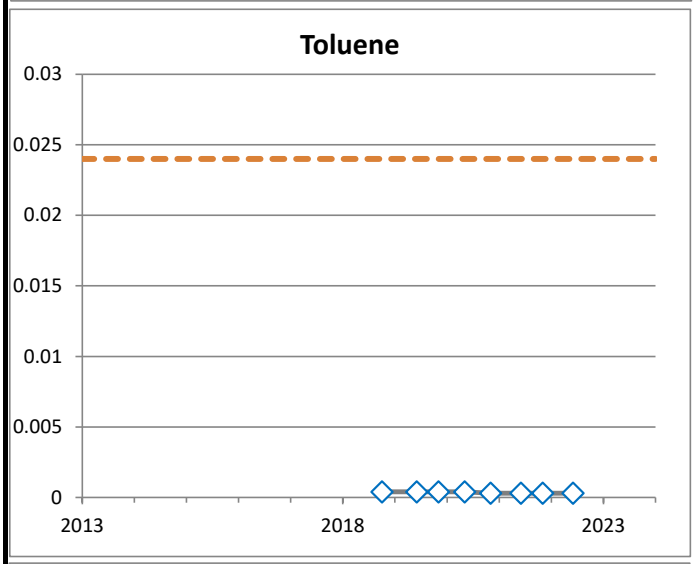
BH3002B
(mg/L)

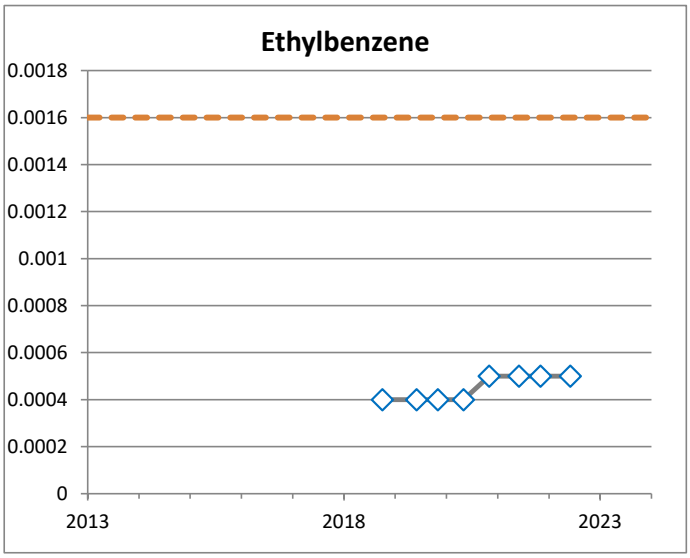
PARSONS

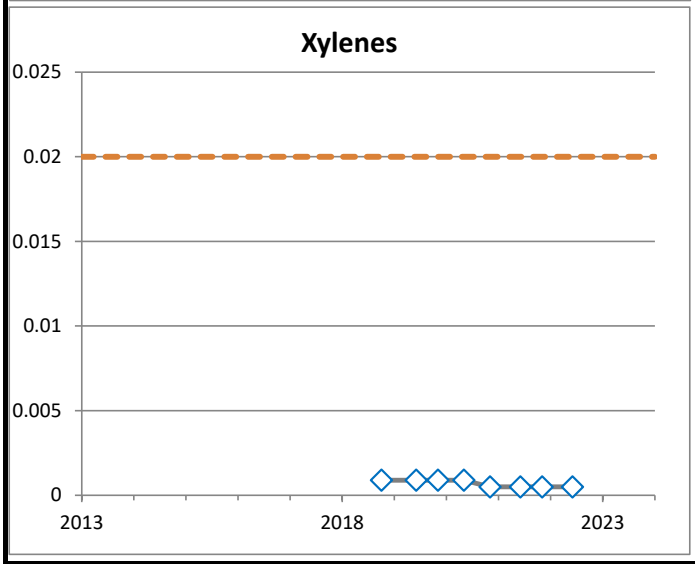
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-91	

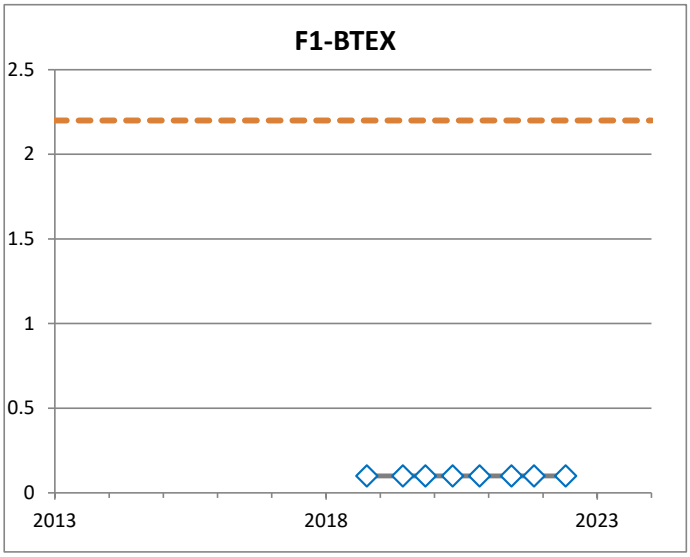












◇ Non-detect value

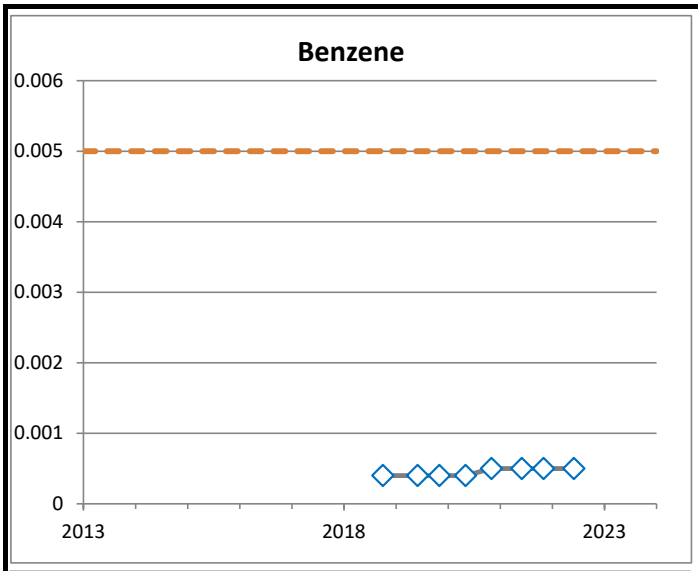
Drinking Water Guideline

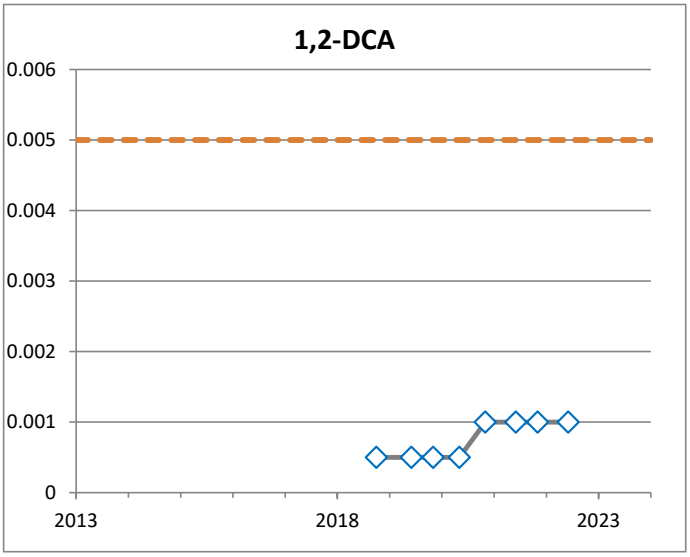
All samples are shown, including duplidates and multiple samples on the same date.

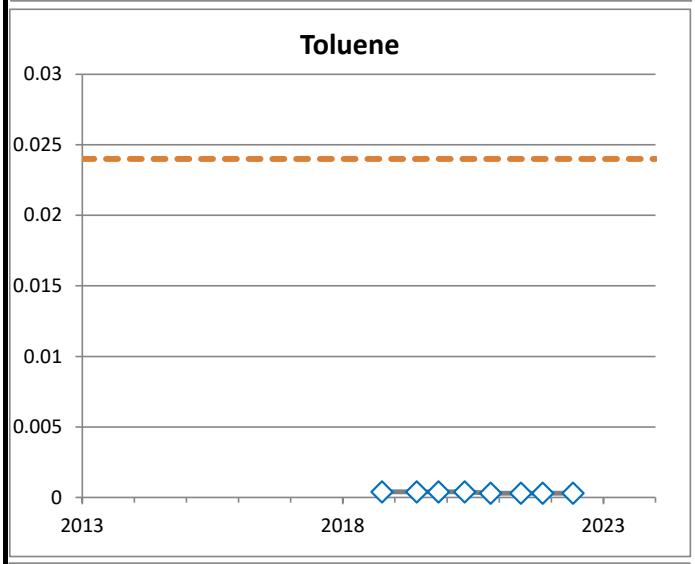
BH3003A
(mg/L)

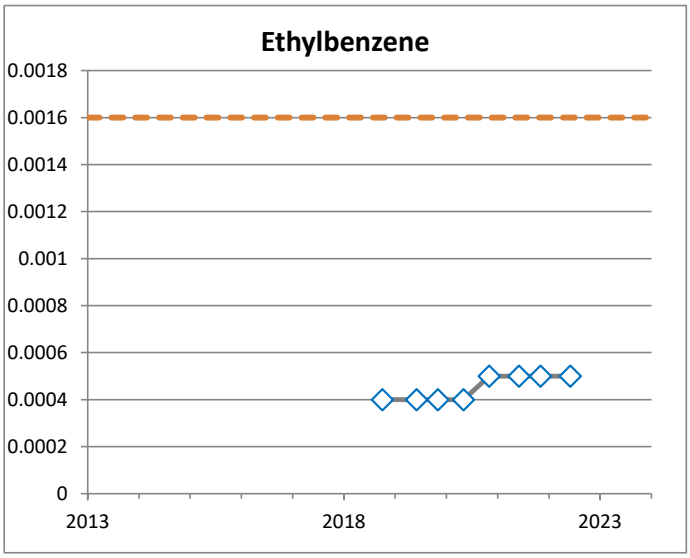
PARSONS

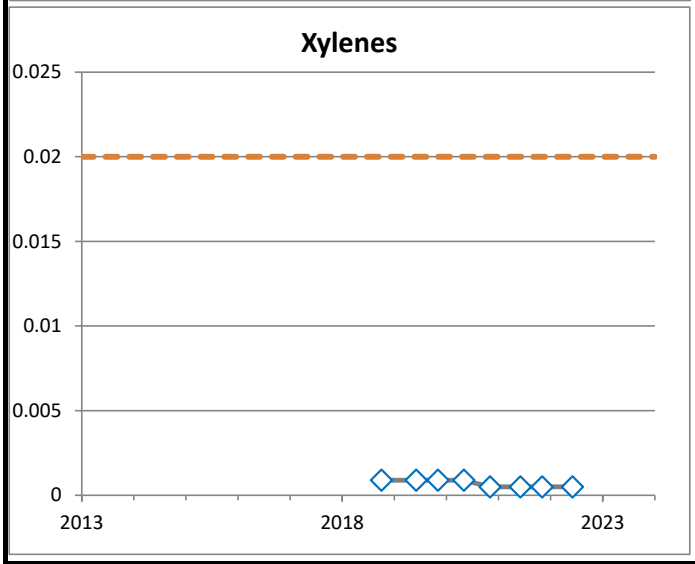
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-92	

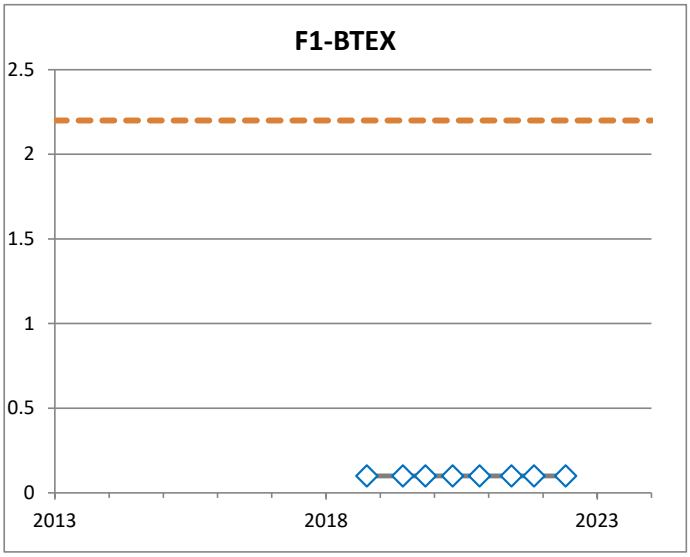












◇ Non-detect value

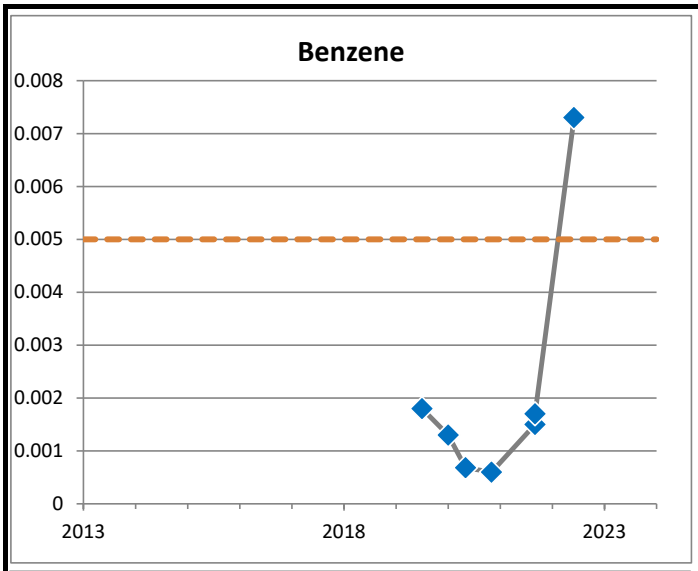
Drinking Water Guideline

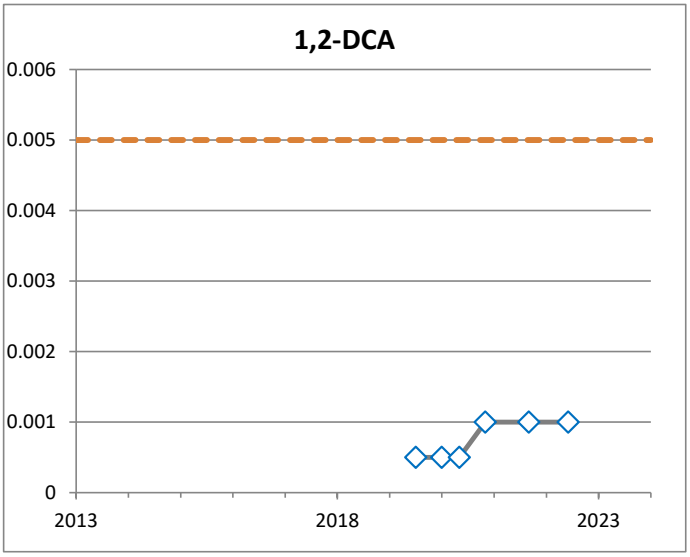
All samples are shown, including duplidates and multiple samples on the same date.

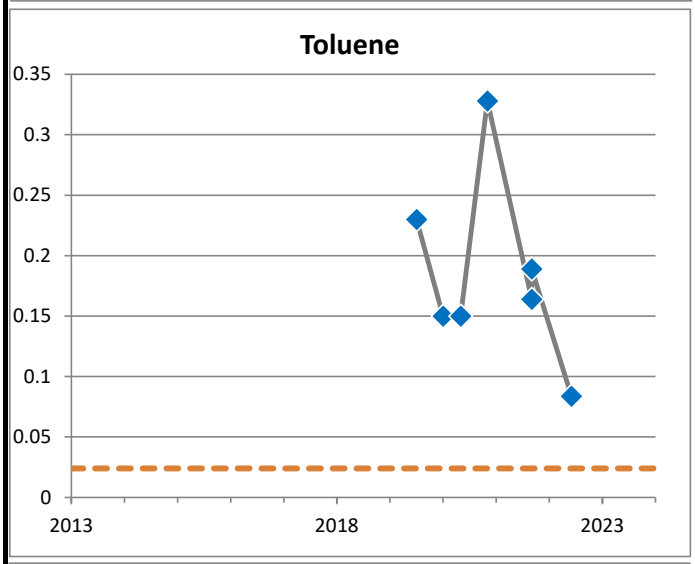
BH3003B
(mg/L)

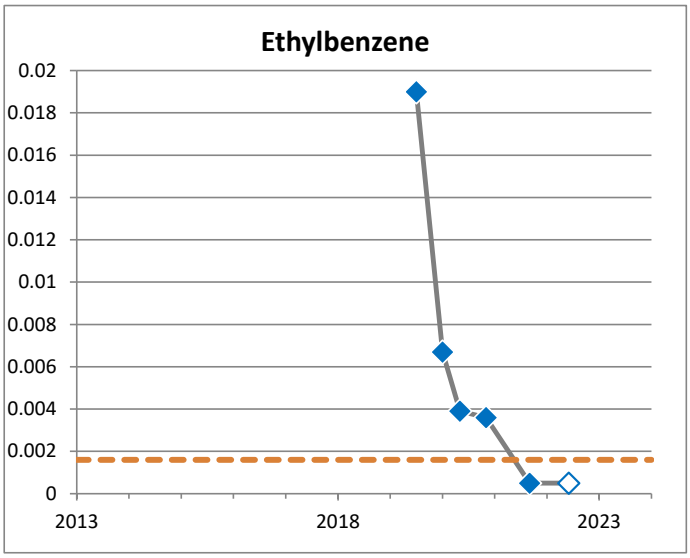
PARSONS

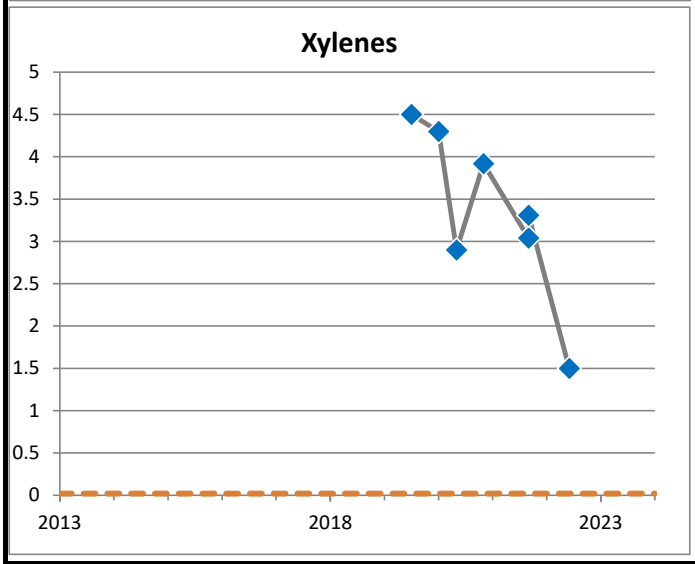
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-93	

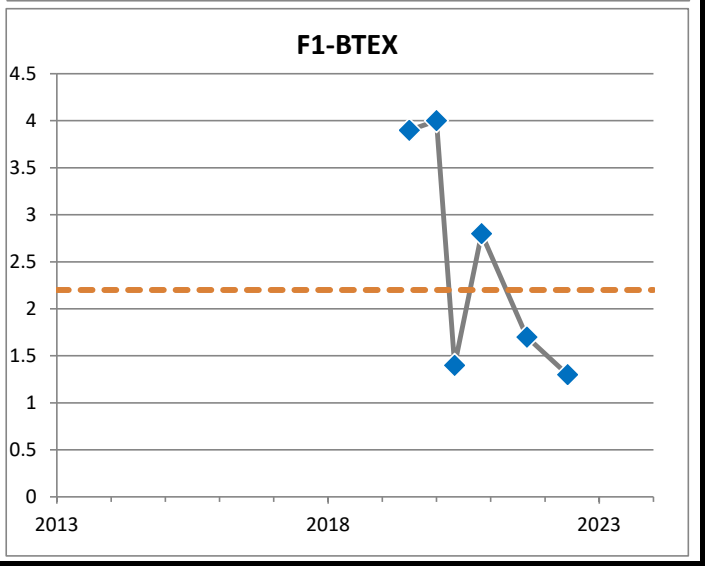












◇ Non-detect value

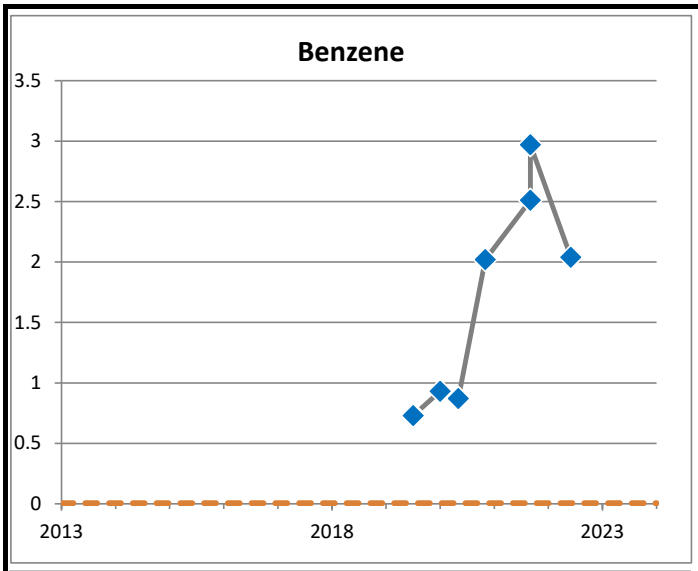
Drinking Water Guideline

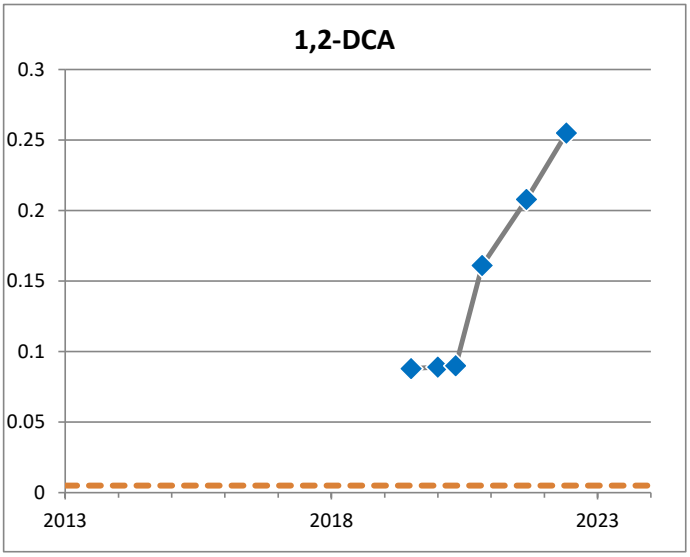
All samples are shown, including duplidates and multiple samples on the same date.

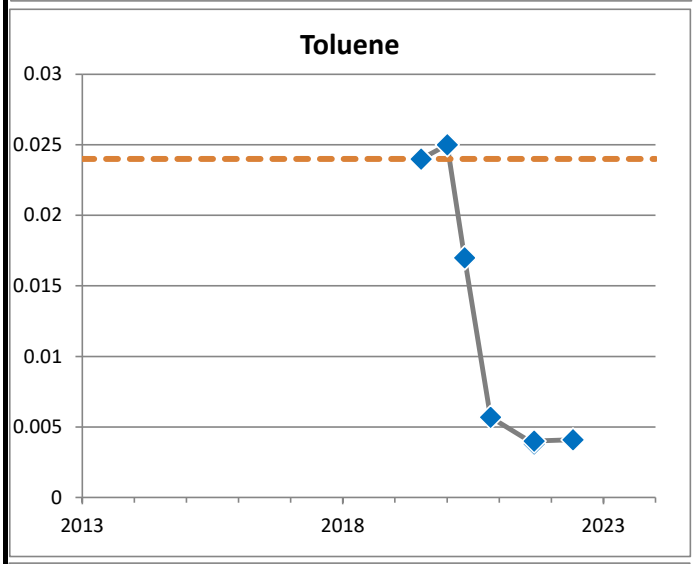
BH4002
(mg/L)

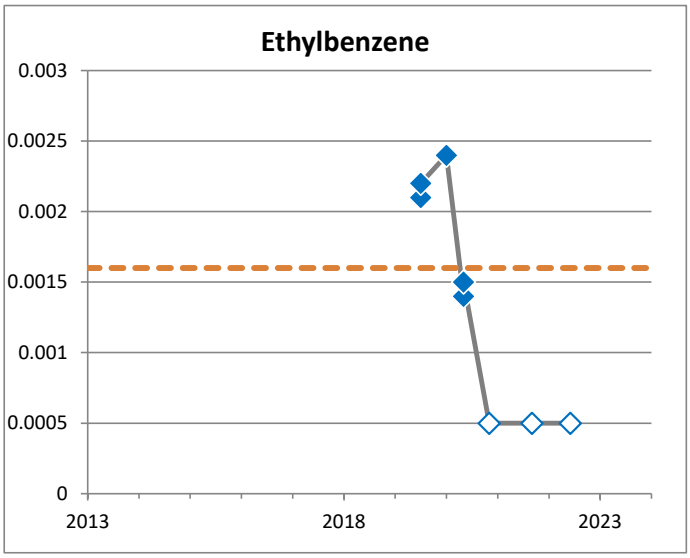
PARSONS

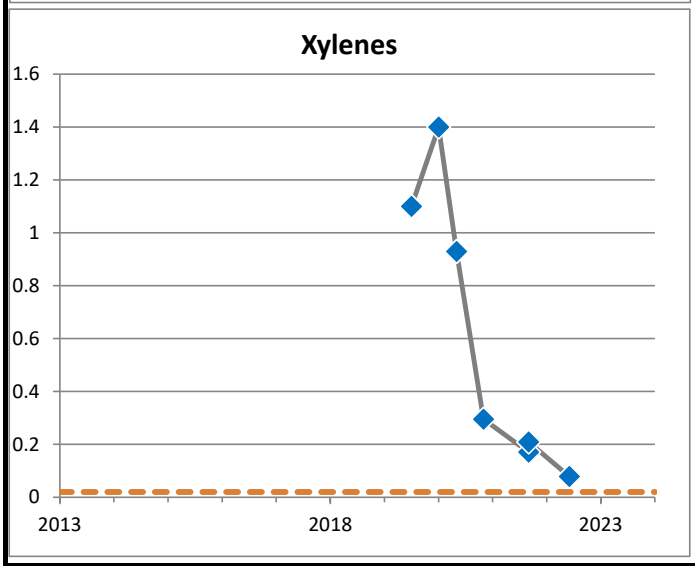
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-94	

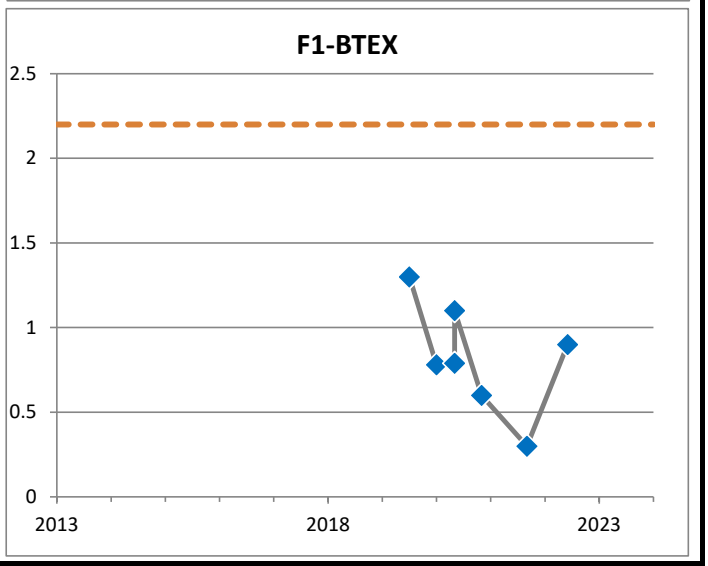












◇ Non-detect value

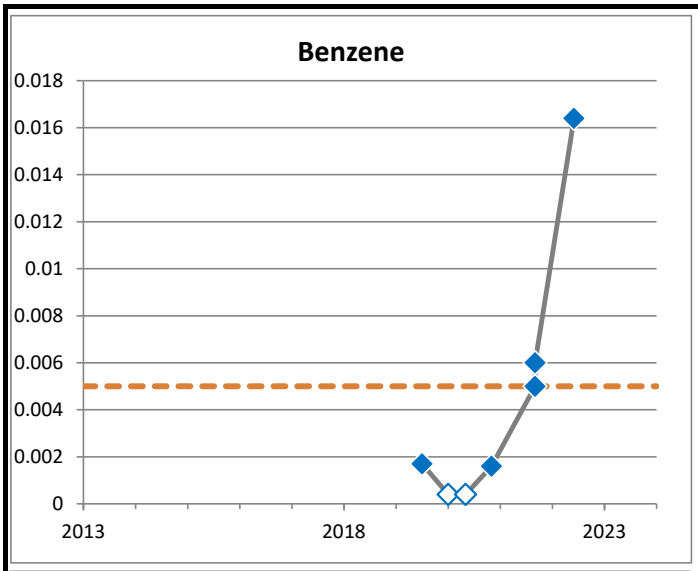
Drinking Water Guideline

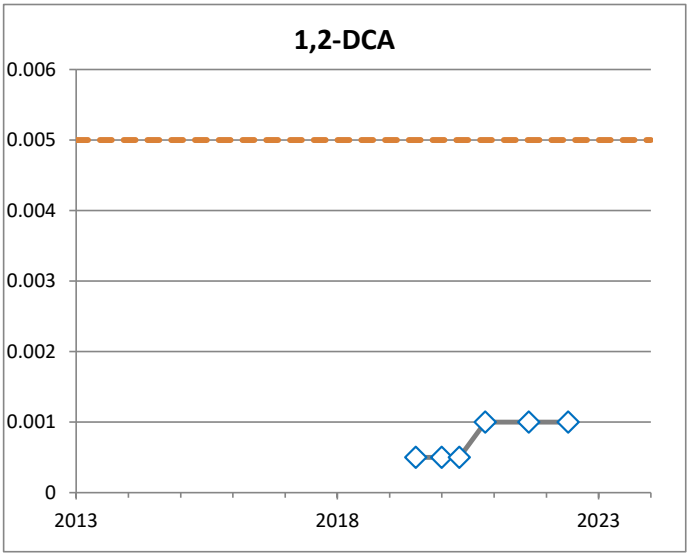
All samples are shown, including duplidates and multiple samples on the same date.

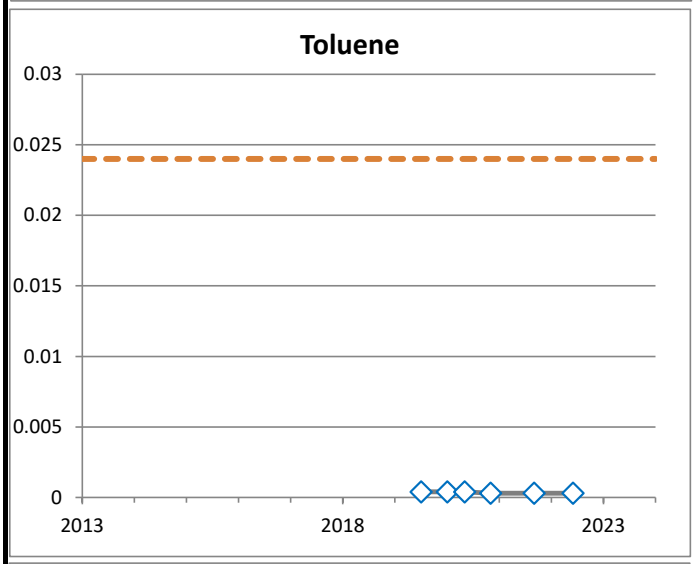
BH4003A
(mg/L)

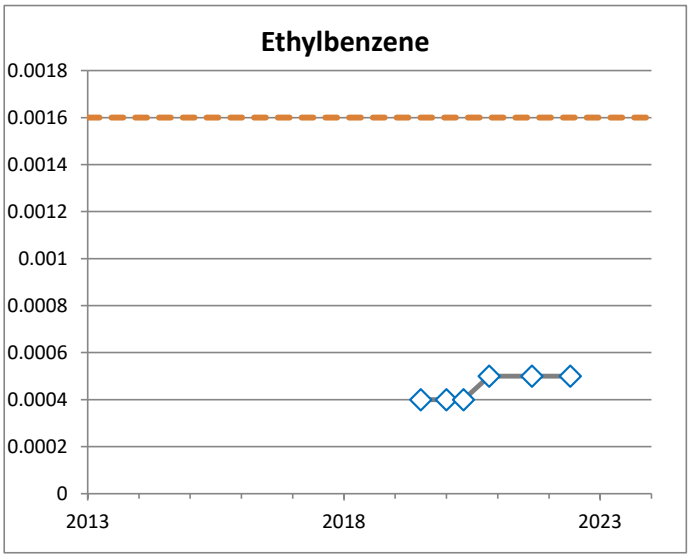
PARSONS

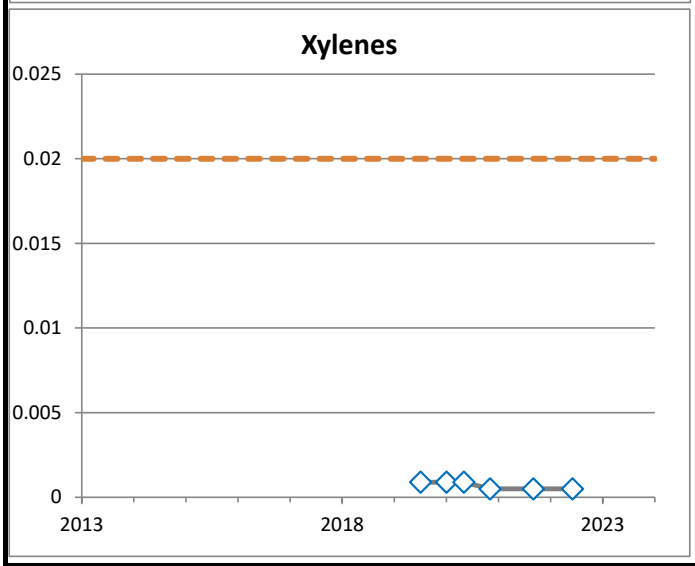
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-95		

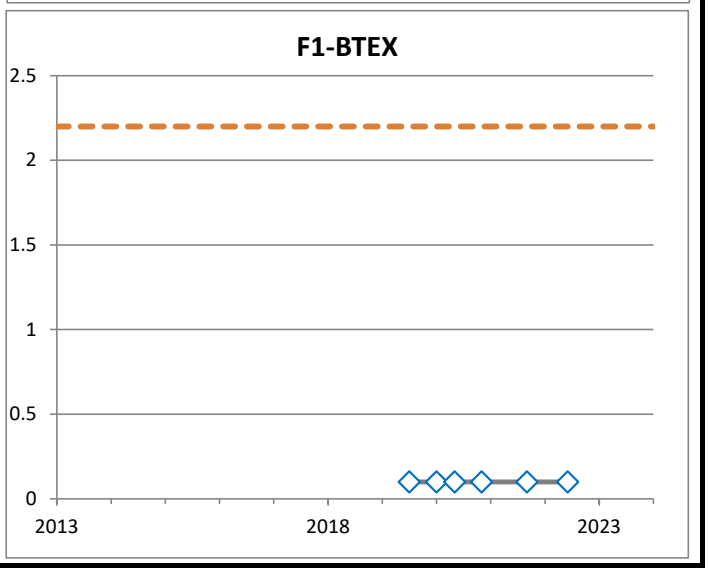












◇ Non-detect value

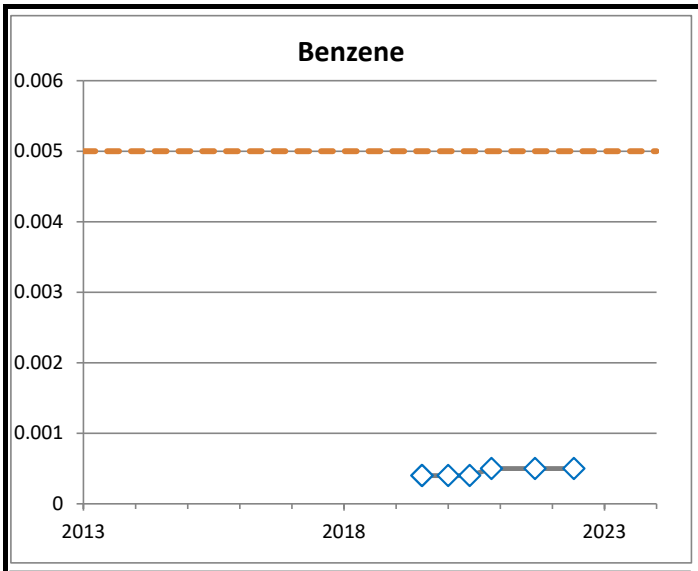
Drinking Water Guideline

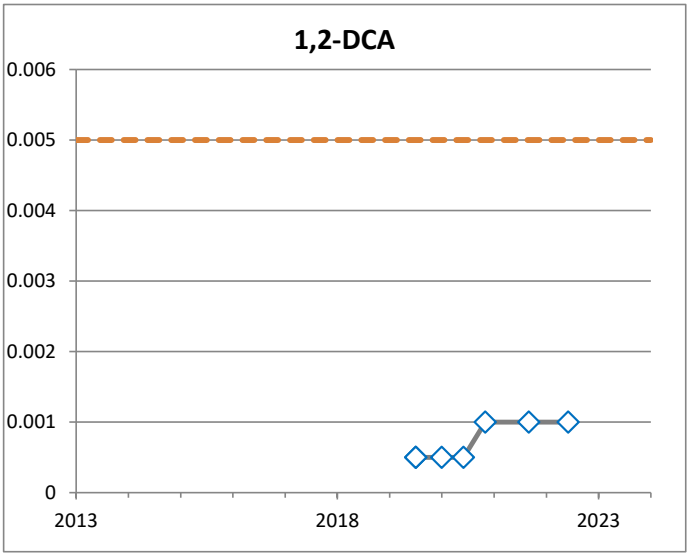
All samples are shown, including duplidates and multiple samples on the same date.

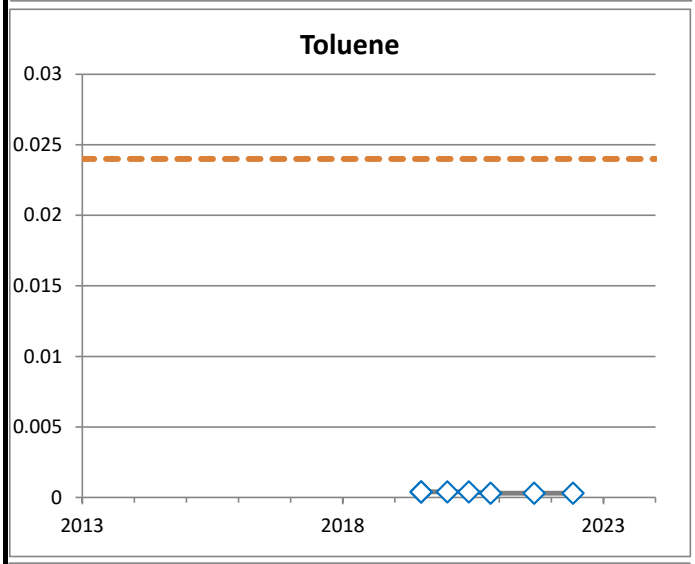
BH4003B
(mg/L)

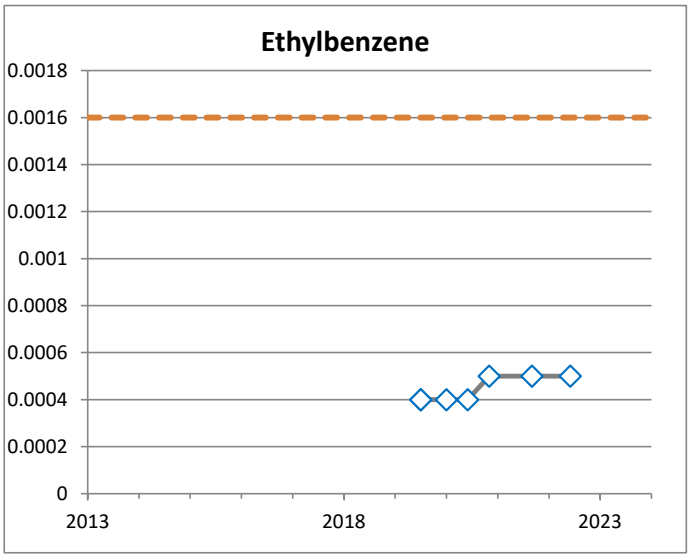
PARSONS

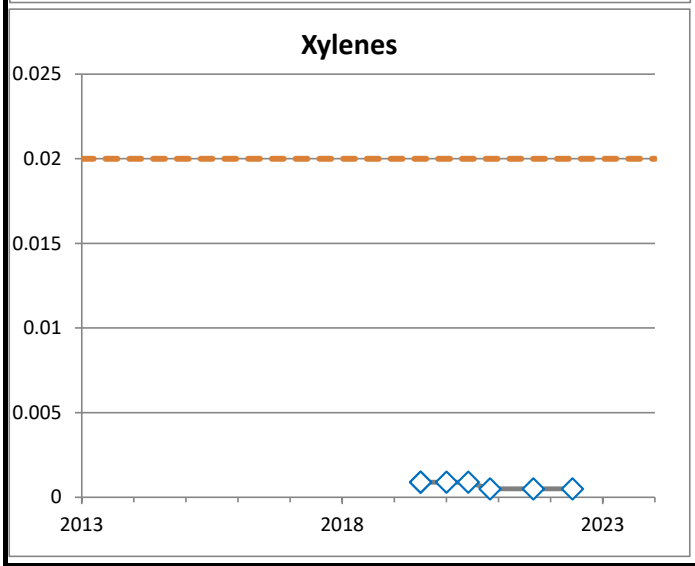
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-96	

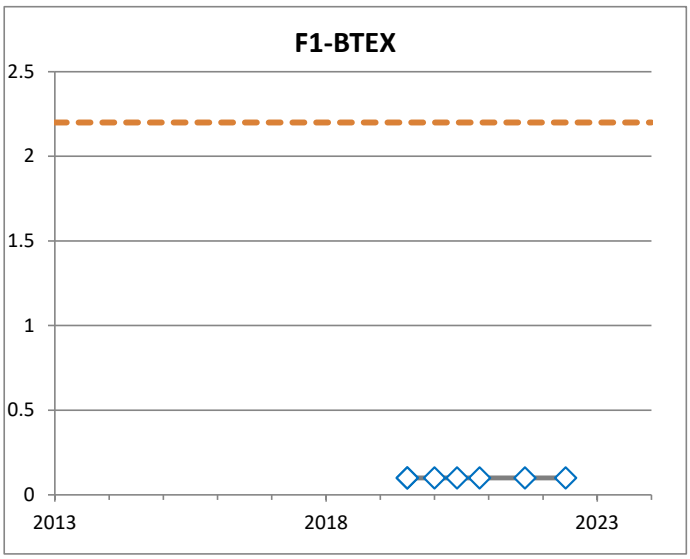












◇ Non-detect value

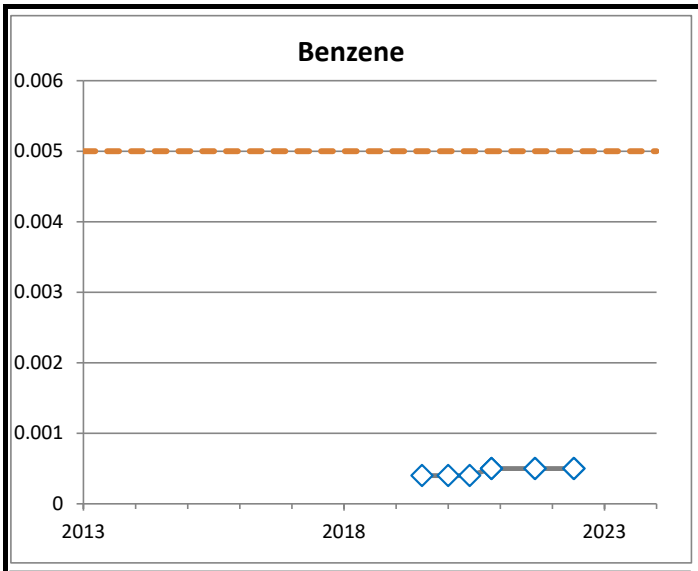
Drinking Water Guideline

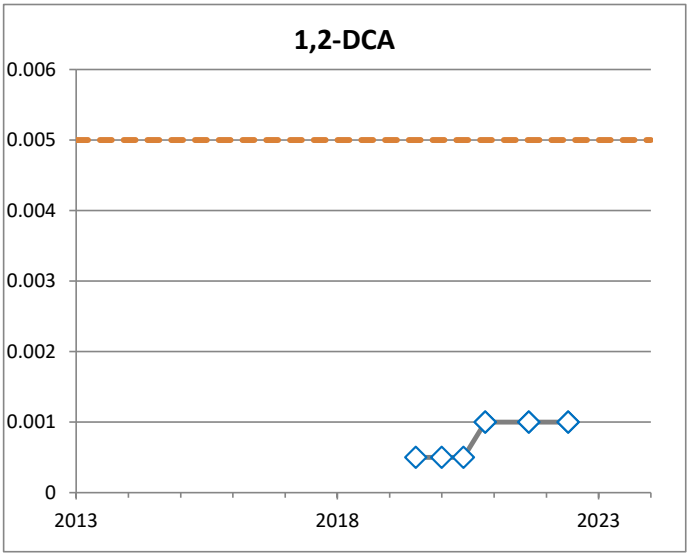
All samples are shown, including duplidates and multiple samples on the same date.

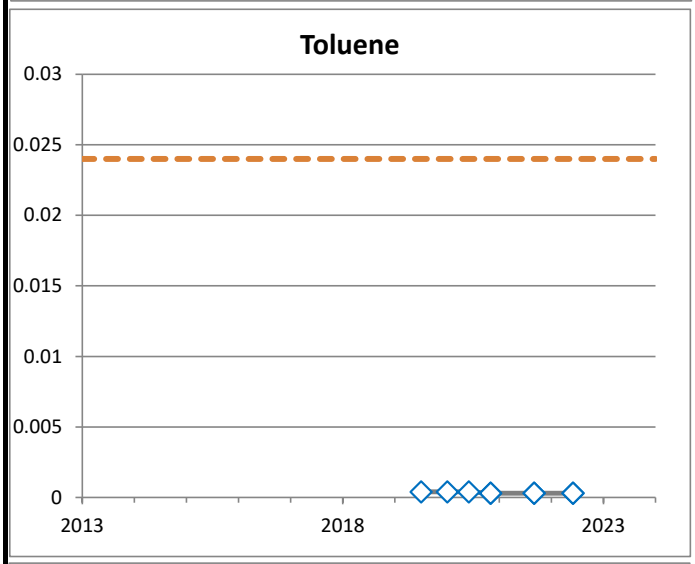
BH4004A
(mg/L)

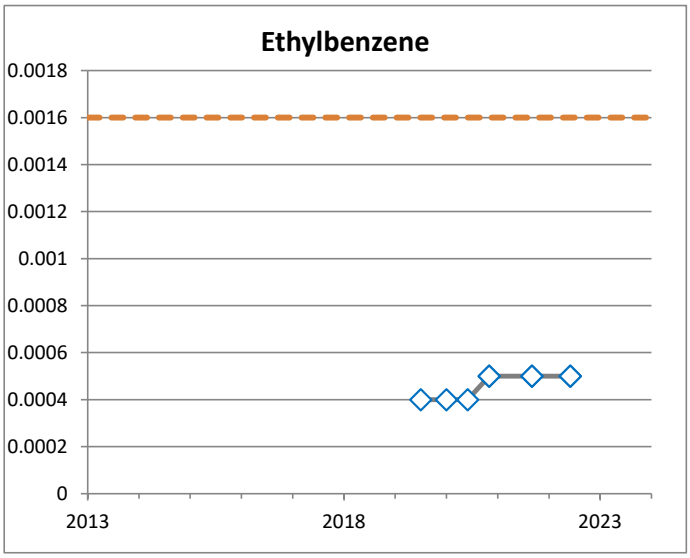
PARSONS

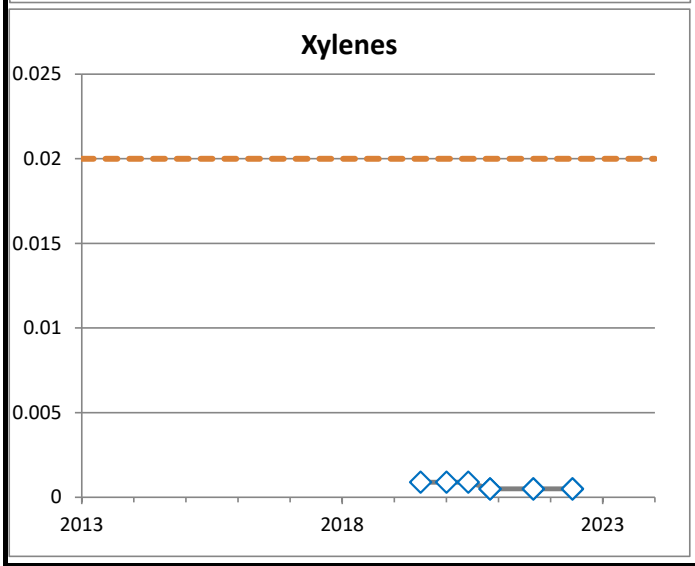
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-97		

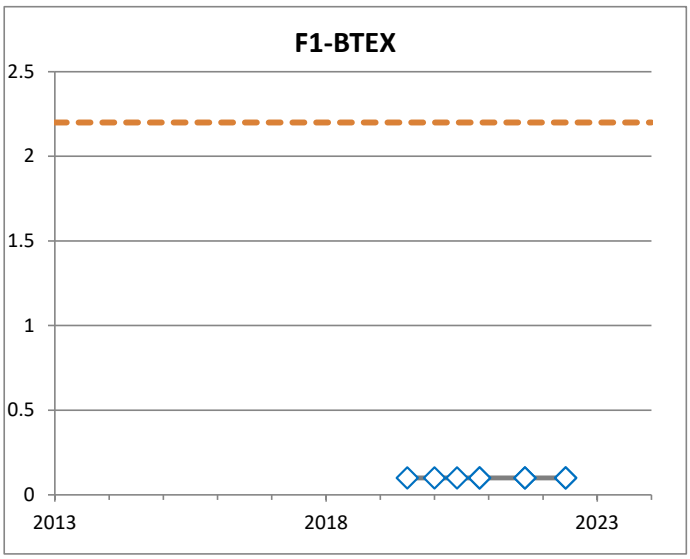












◇ Non-detect value

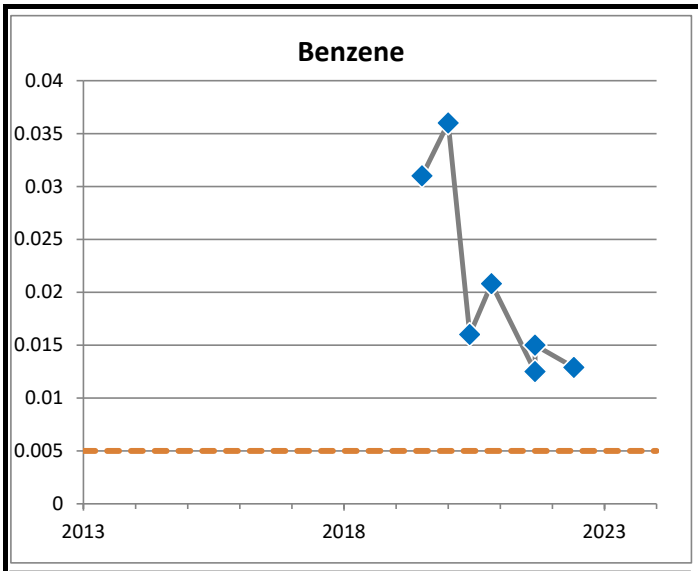
Drinking Water Guideline

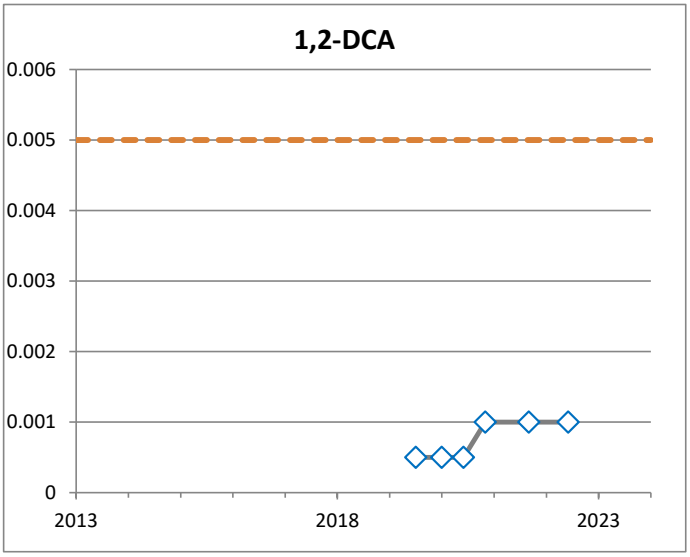
All samples are shown, including duplidates and multiple samples on the same date.

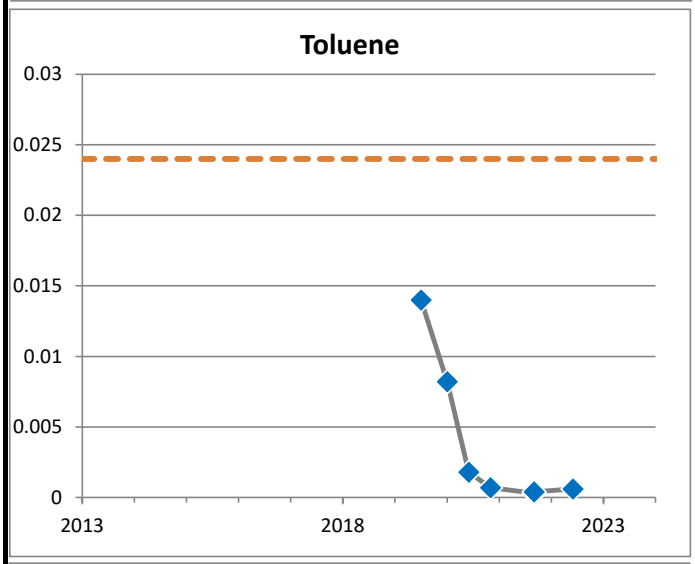
BH4004B
(mg/L)

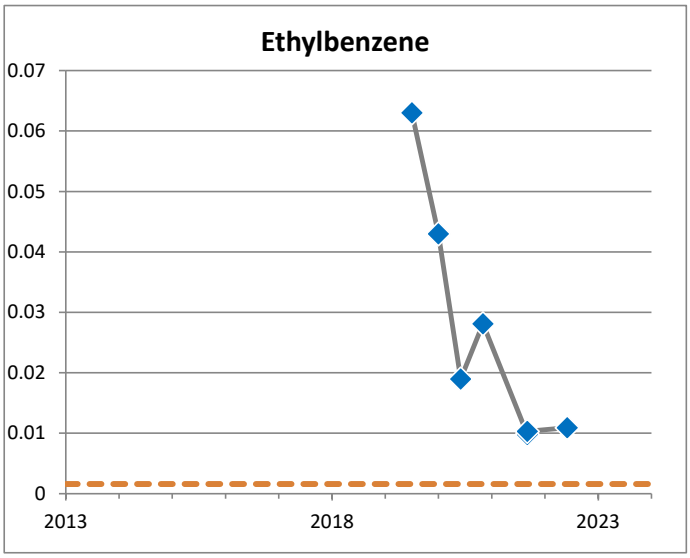
PARSONS

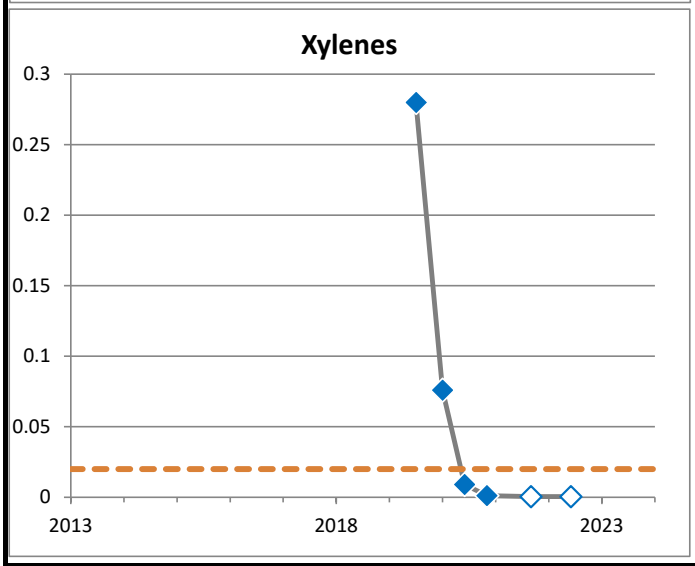
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-98	

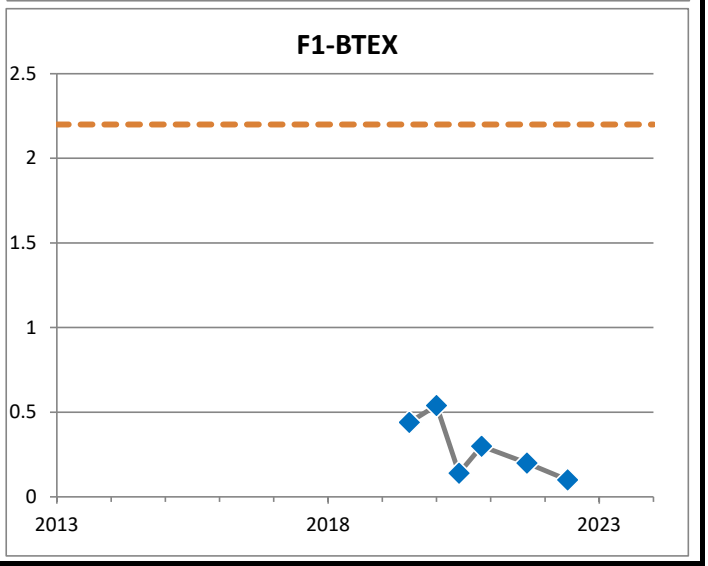












◇ Non-detect value

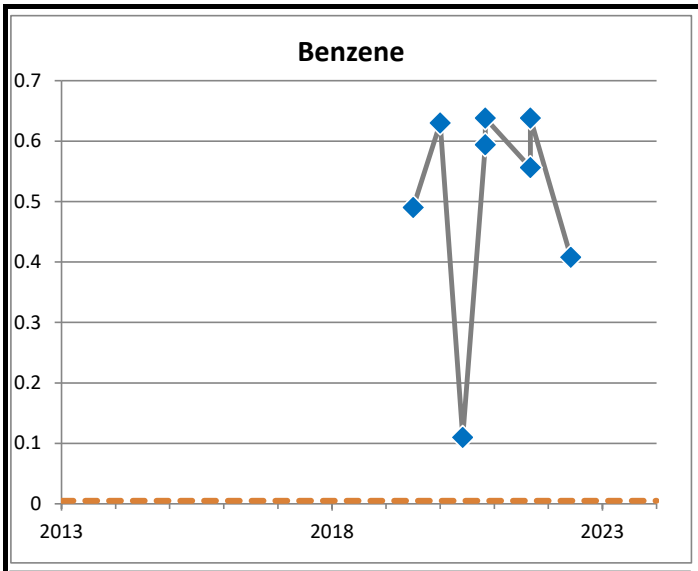
Drinking Water Guideline

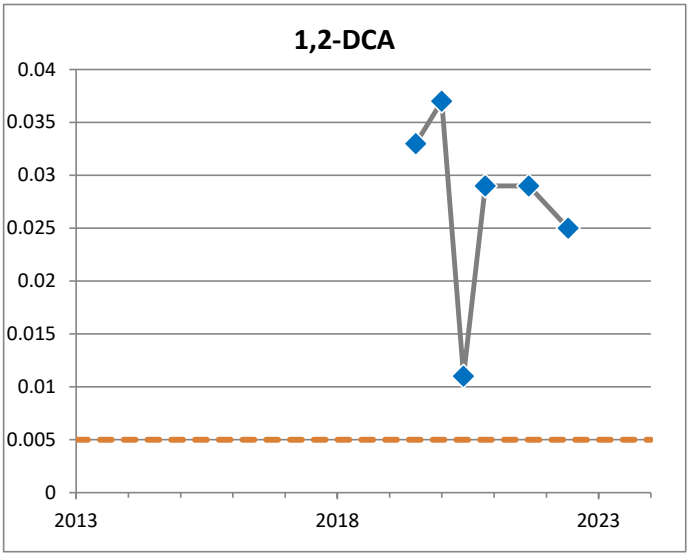
All samples are shown, including duplidates and multiple samples on the same date.

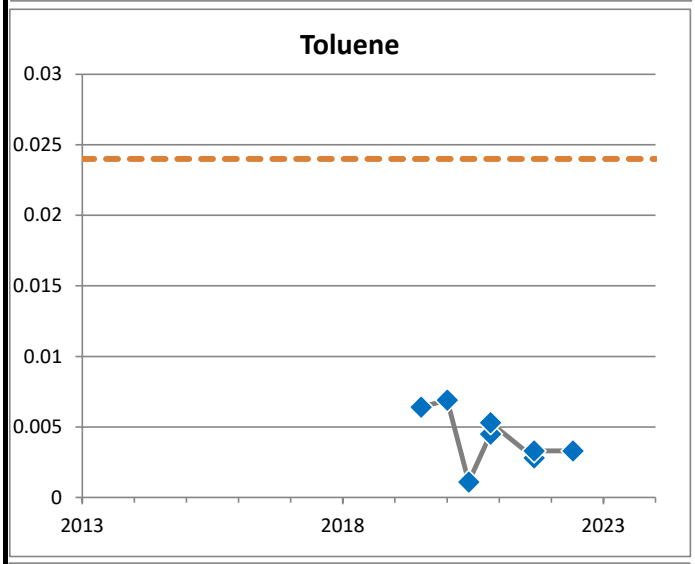
BH4005
(mg/L)

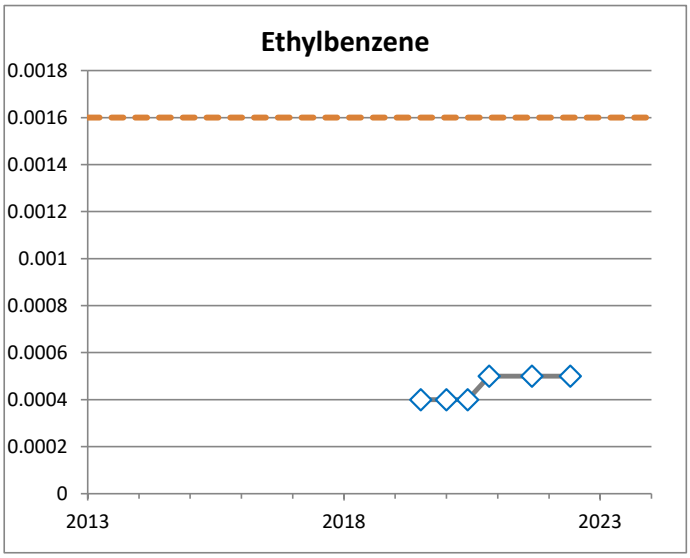
PARSONS

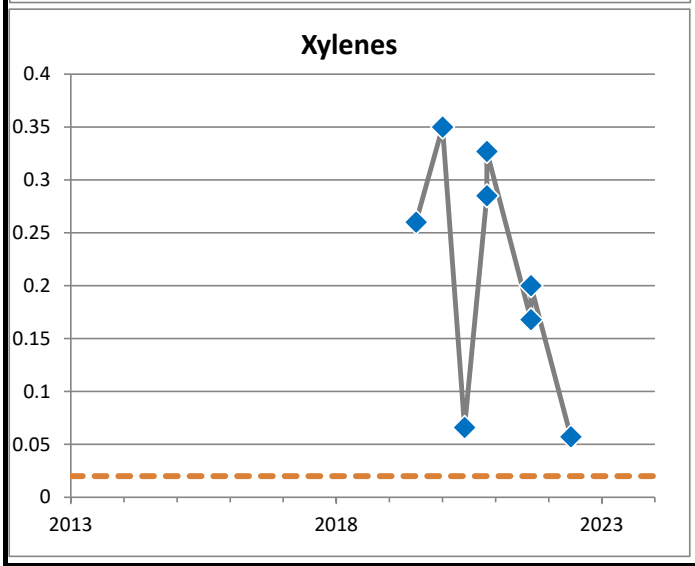
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-99		

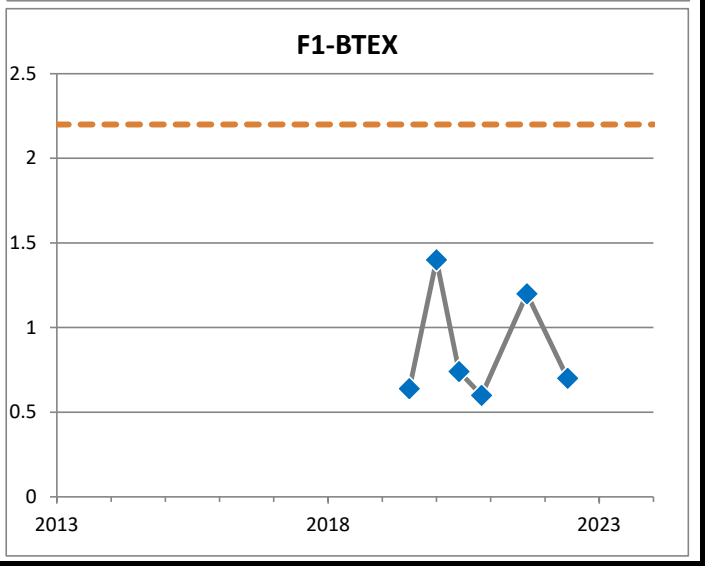












◇ Non-detect value

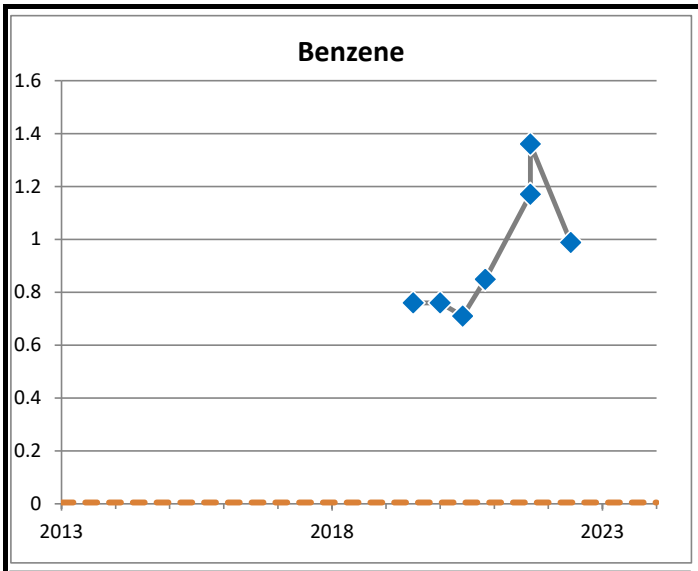
Drinking Water Guideline

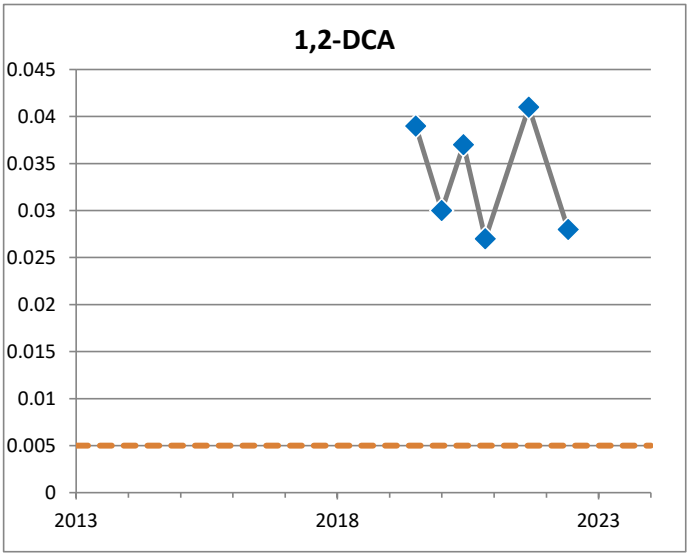
All samples are shown, including duplidates and multiple samples on the same date.

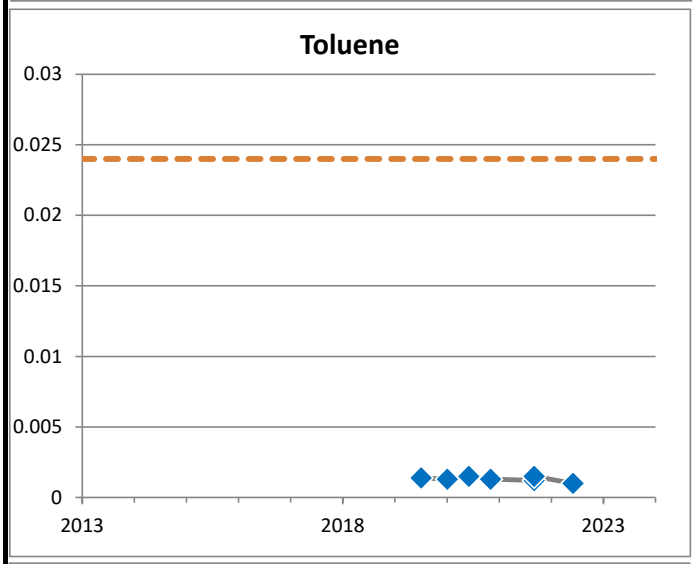
BH4006
(mg/L)

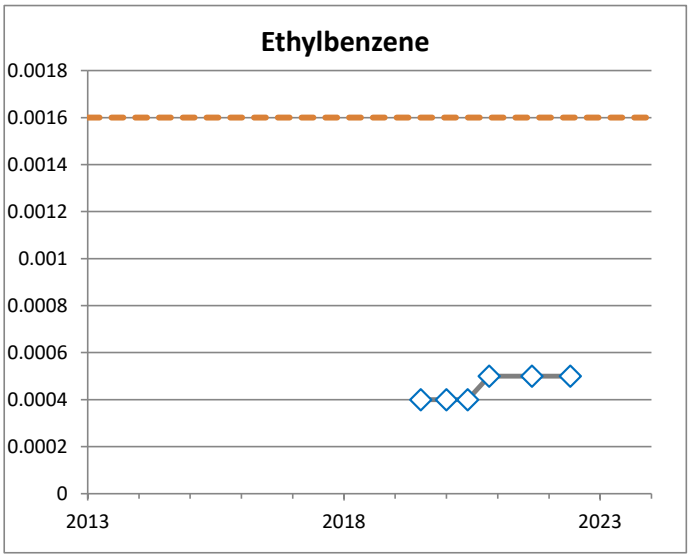
PARSONS

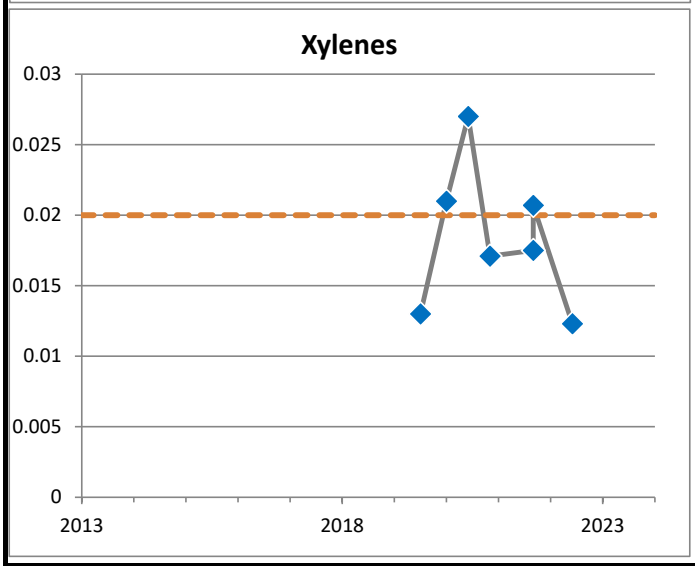
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-100		

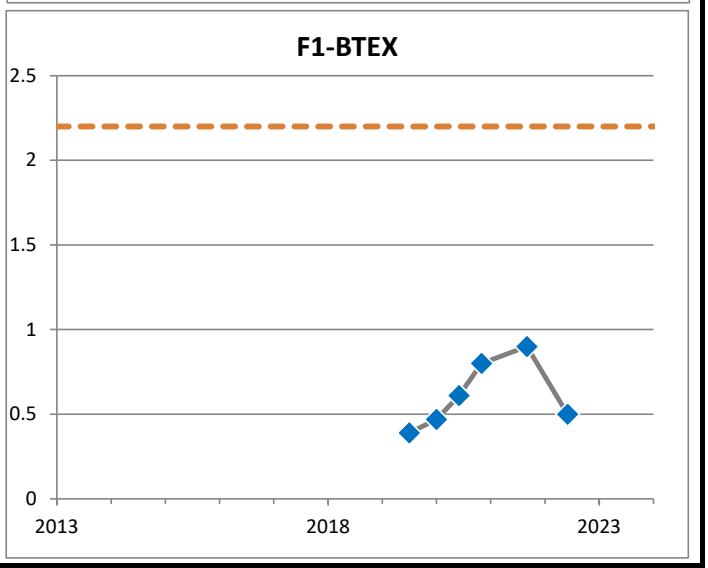












◇ Non-detect value

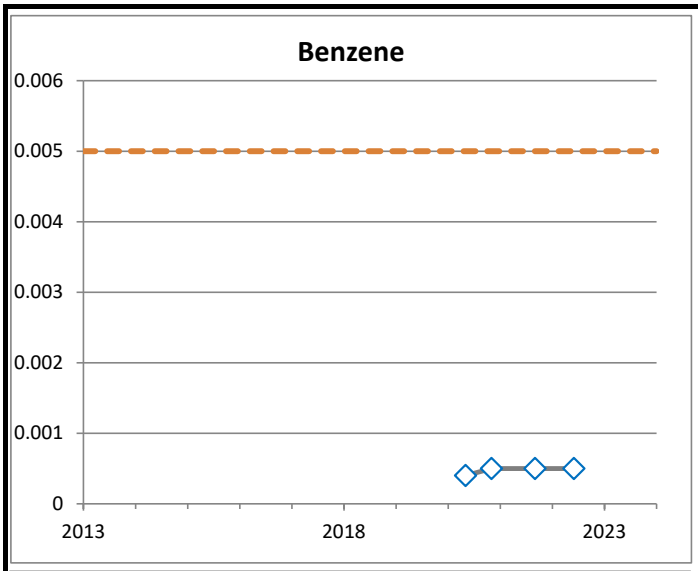
Drinking Water Guideline

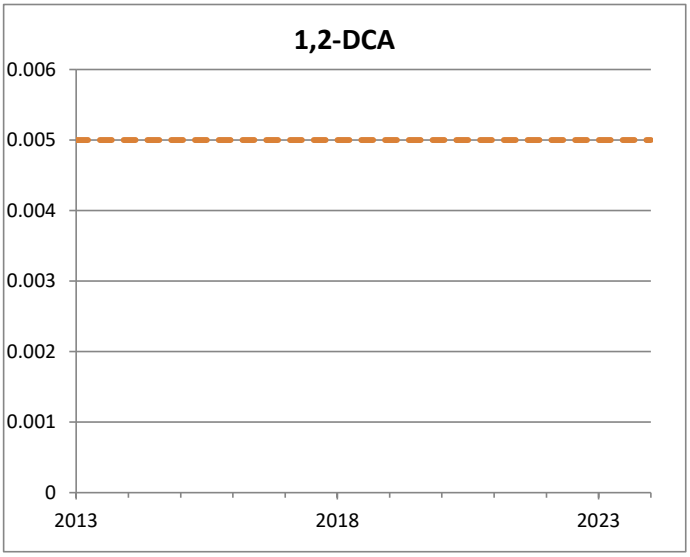
All samples are shown, including duplidates and multiple samples on the same date.

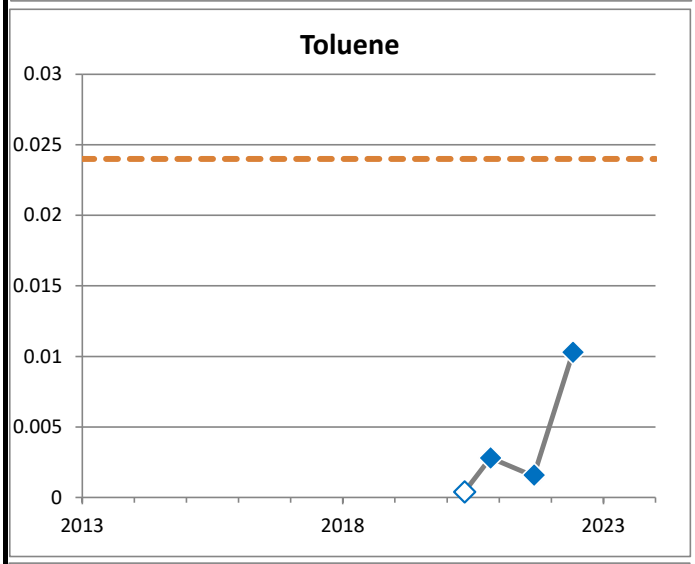
BH4007
(mg/L)

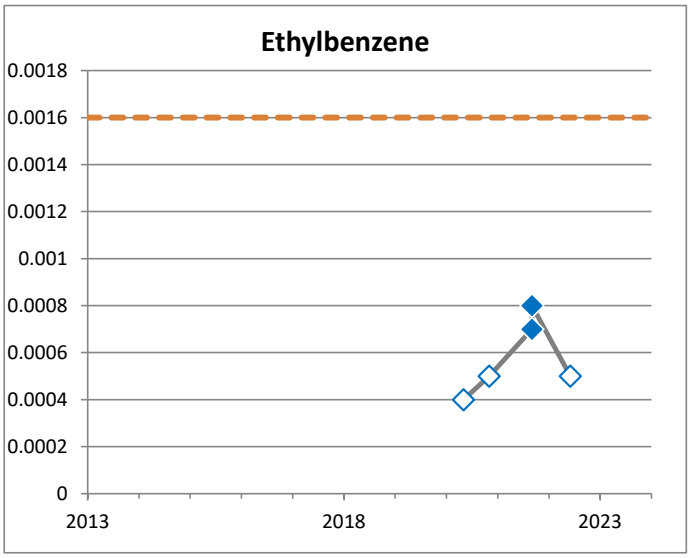
PARSONS

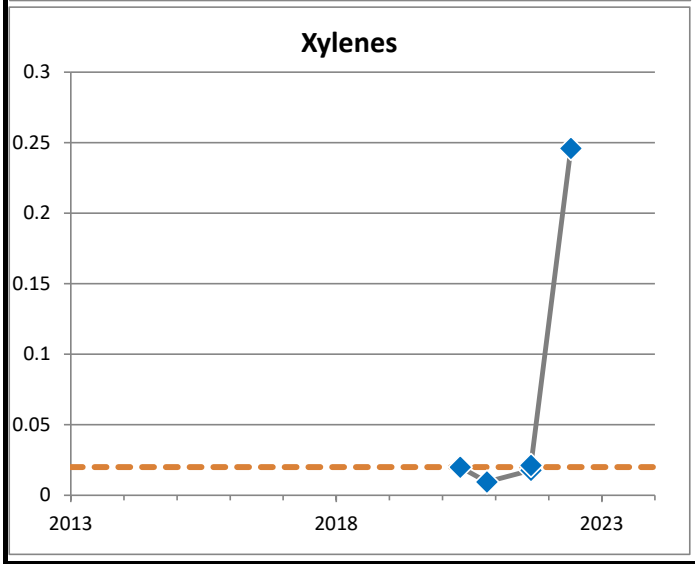
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-101	

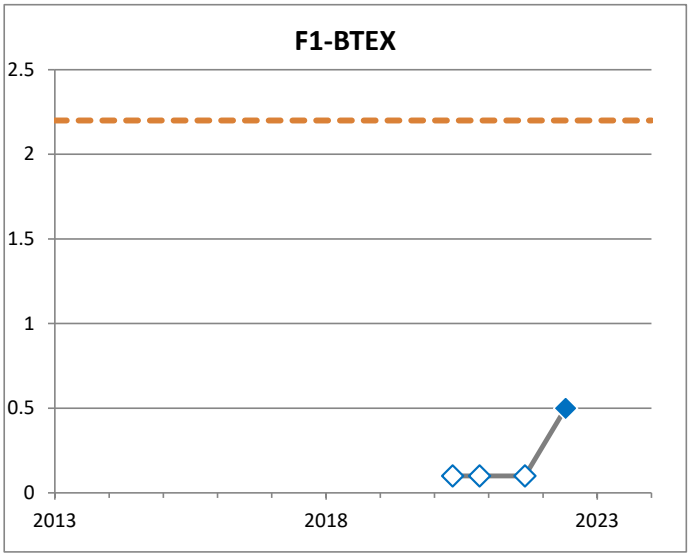












◇ Non-detect value

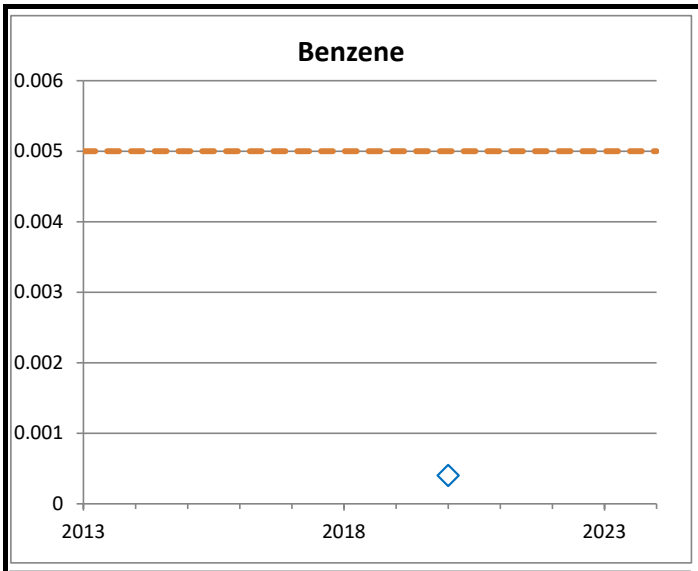
Drinking Water Guideline

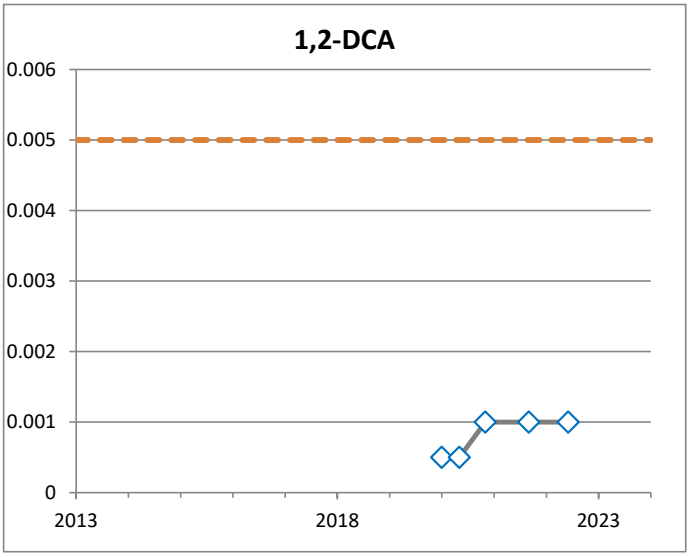
All samples are shown, including duplidates and multiple samples on the same date.

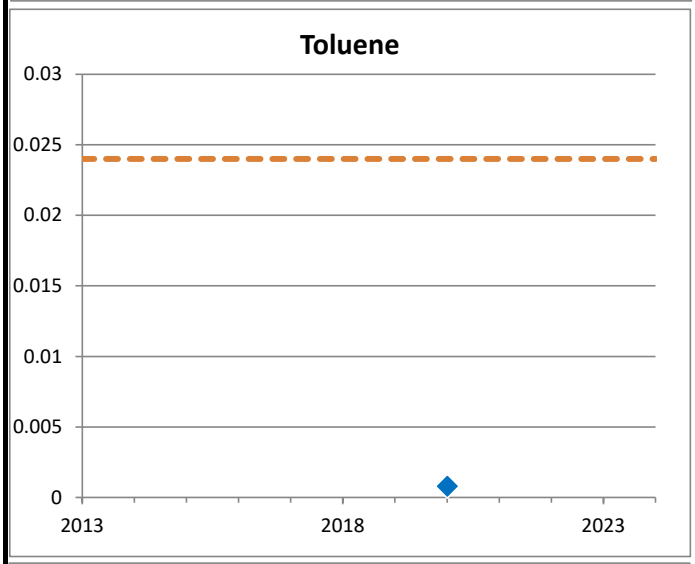
BH4008
(mg/L)

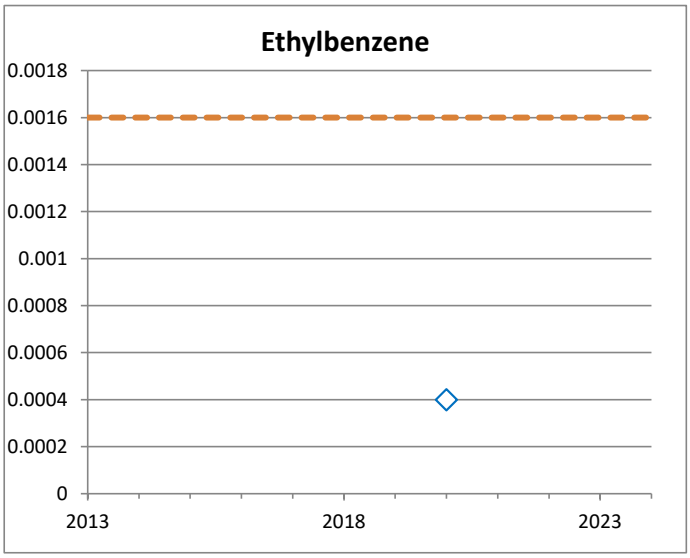
PARSONS

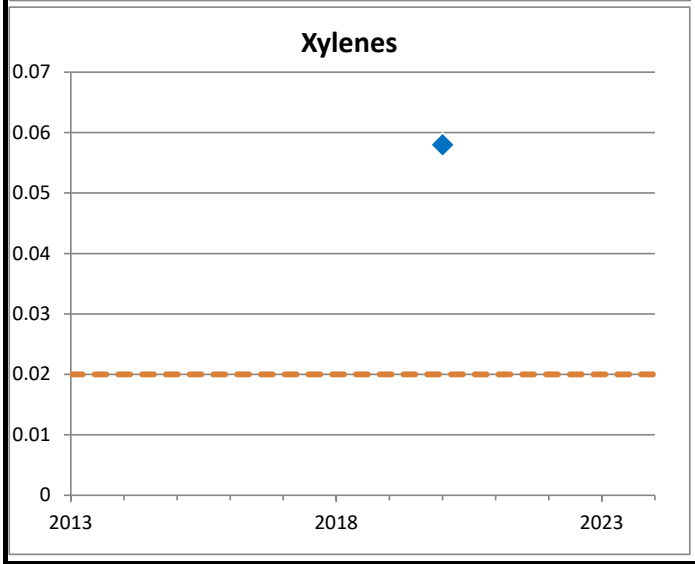
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-102	

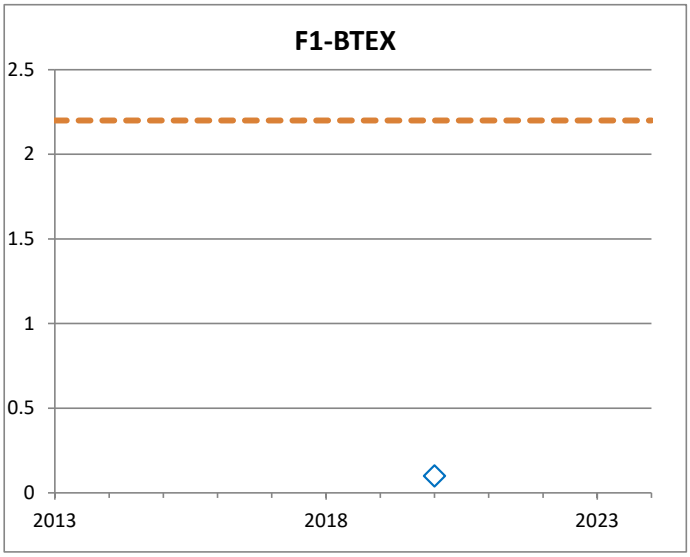












◇ Non-detect value

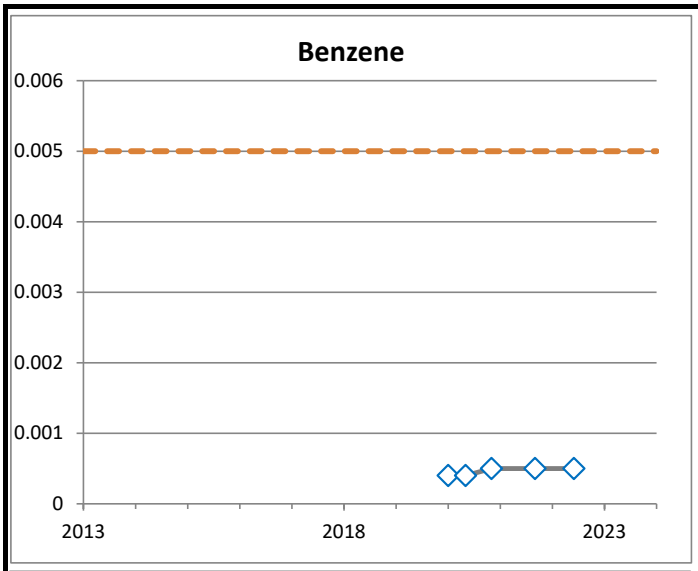
Drinking Water Guideline

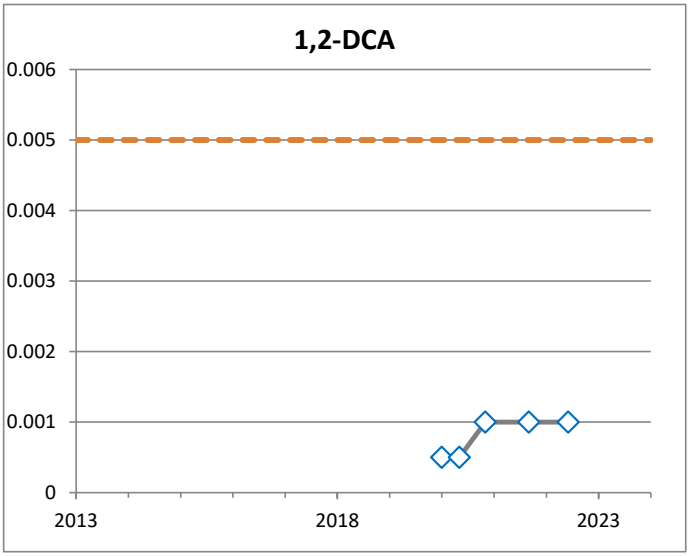
All samples are shown, including duplidates and multiple samples on the same date.

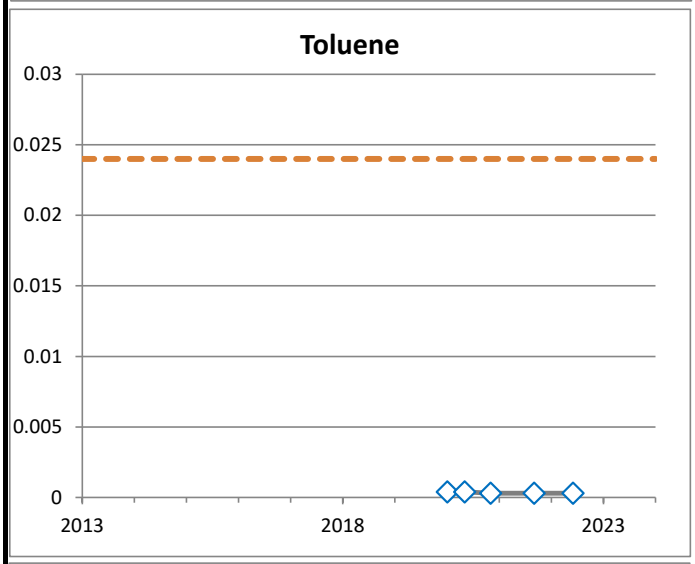
BH4008A
(mg/L)

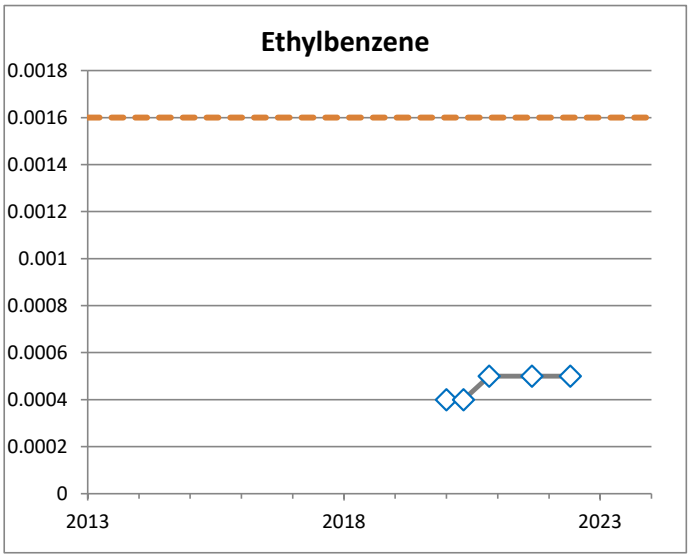
PARSONS

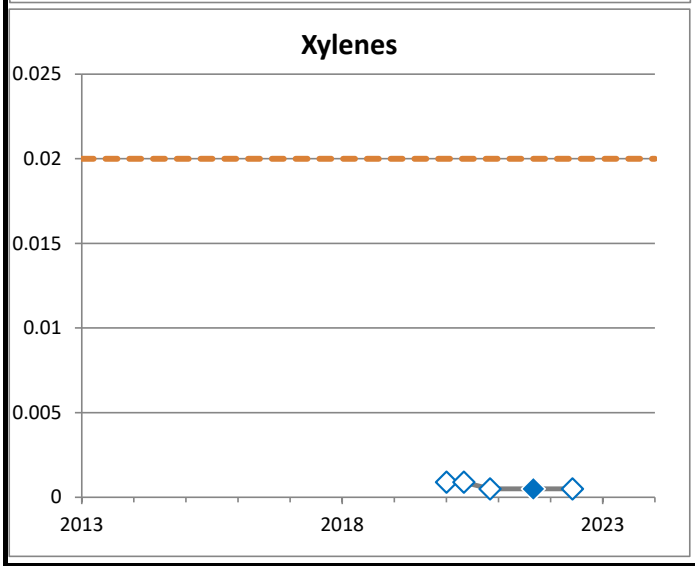
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-103		

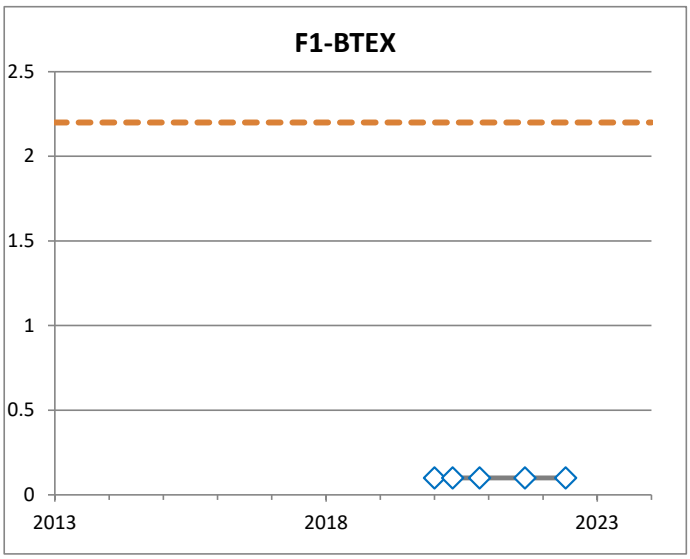












◇ Non-detect value

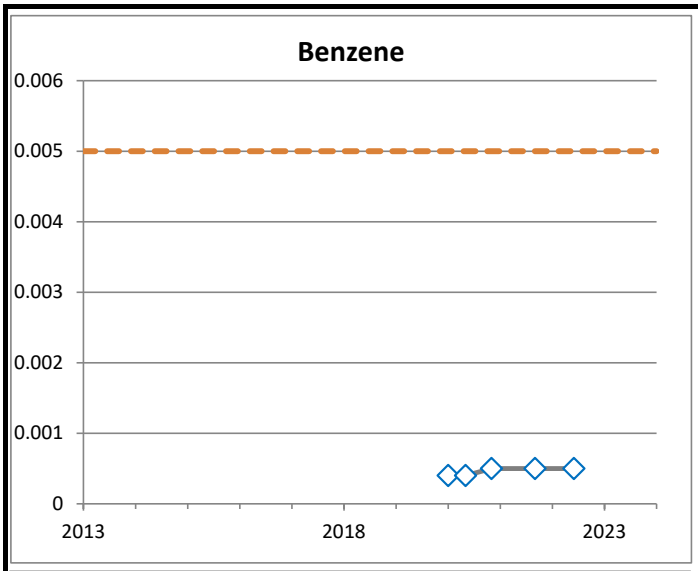
Drinking Water Guideline

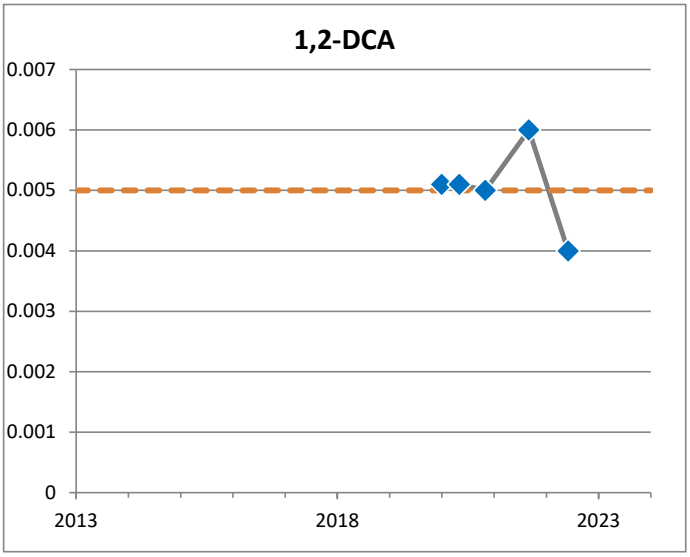
All samples are shown, including duplidates and multiple samples on the same date.

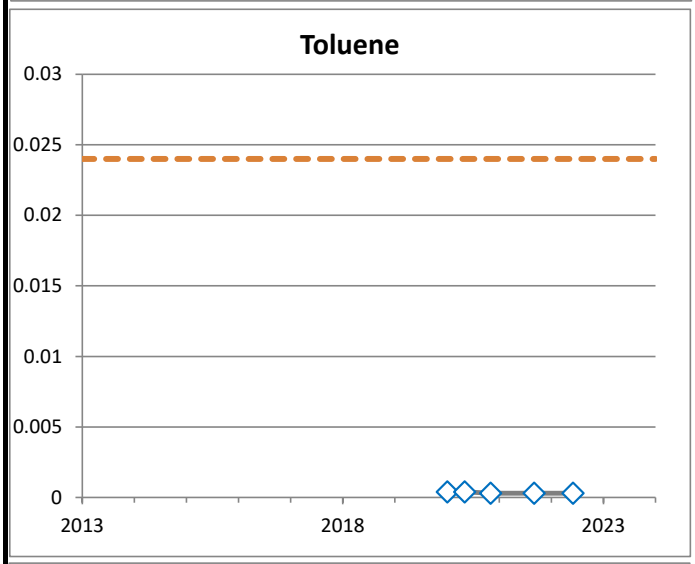
BH4008B
(mg/L)

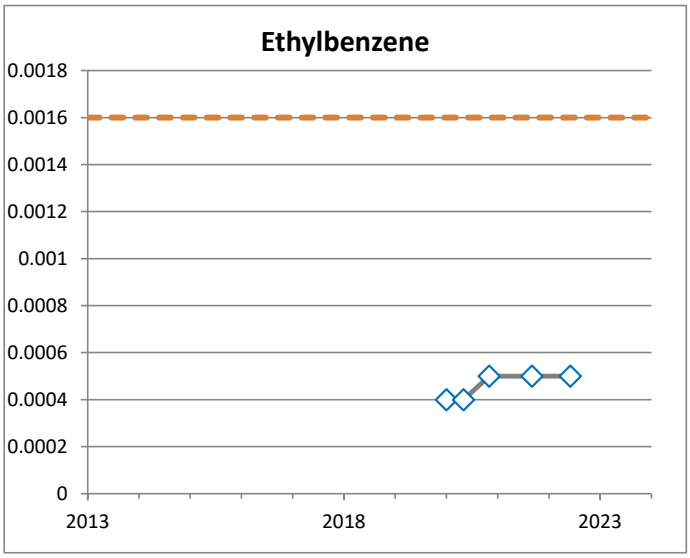
PARSONS

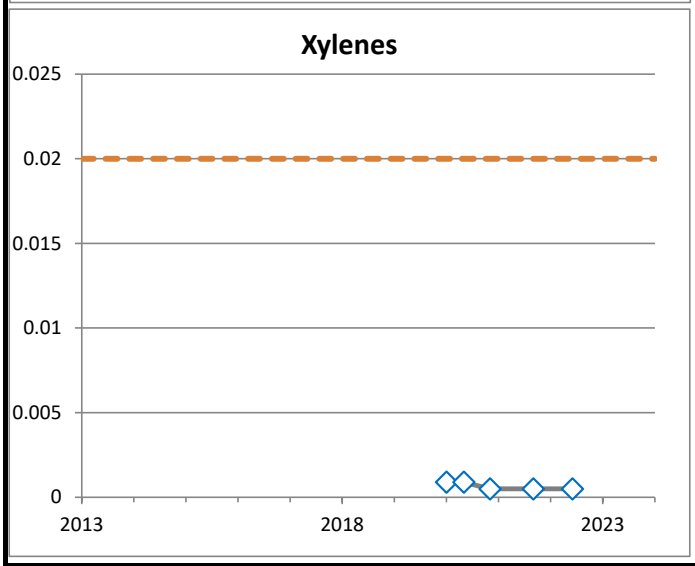
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-104	

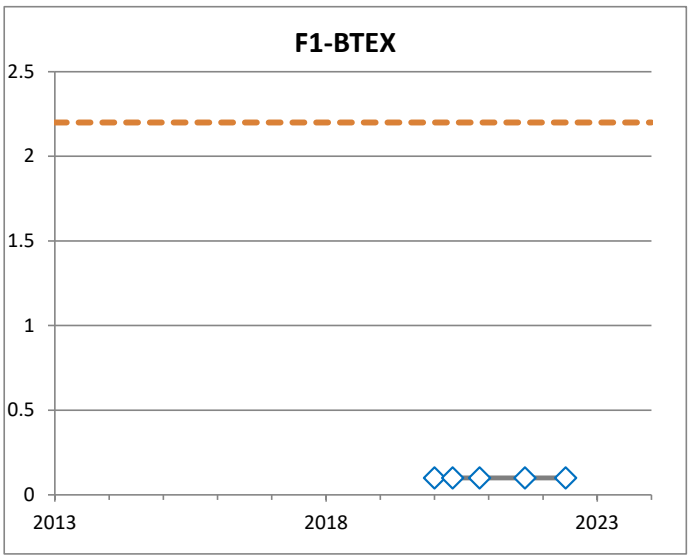












◇ Non-detect value

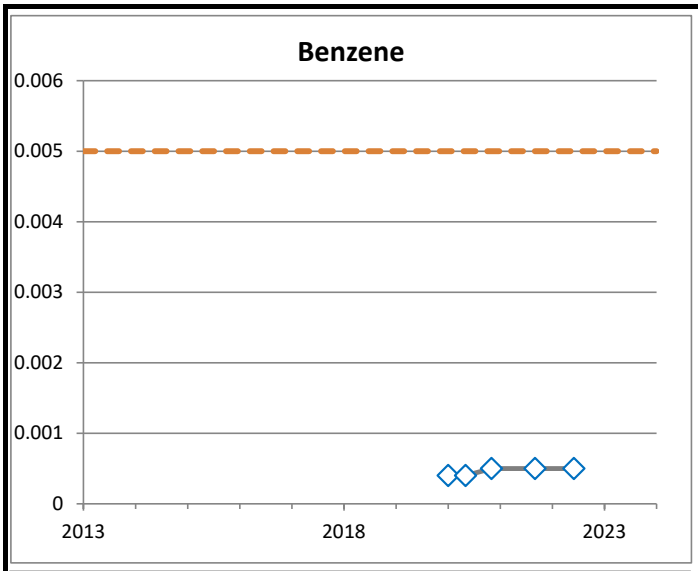
Drinking Water Guideline

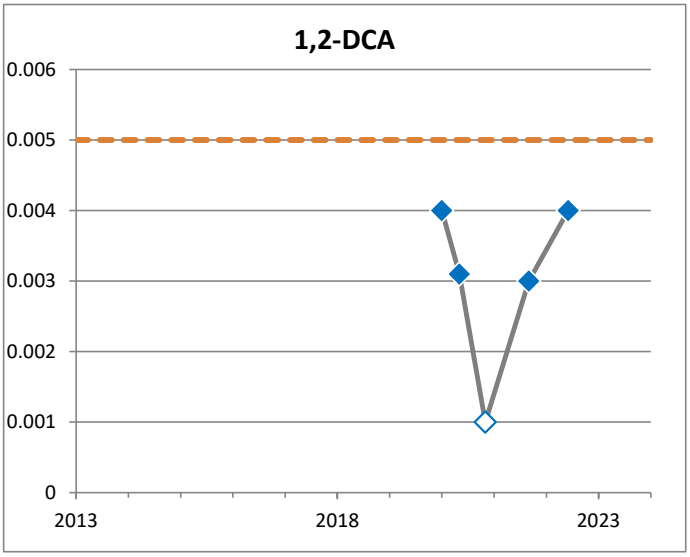
All samples are shown, including duplidates and multiple samples on the same date.

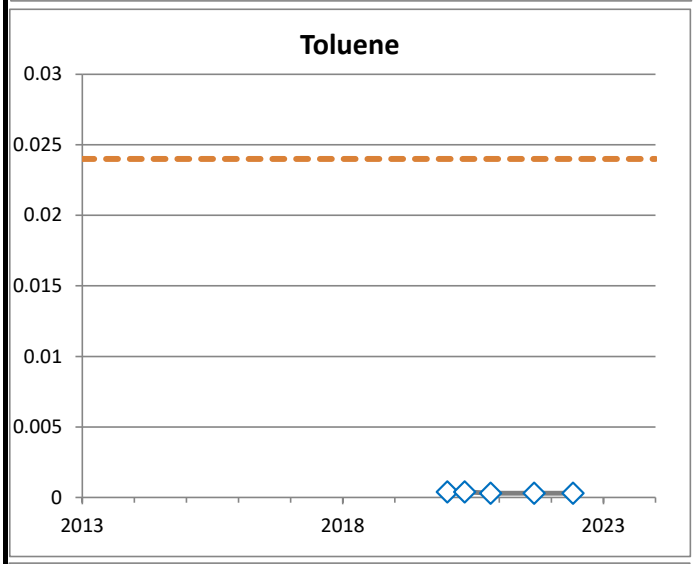
BH4009A
(mg/L)

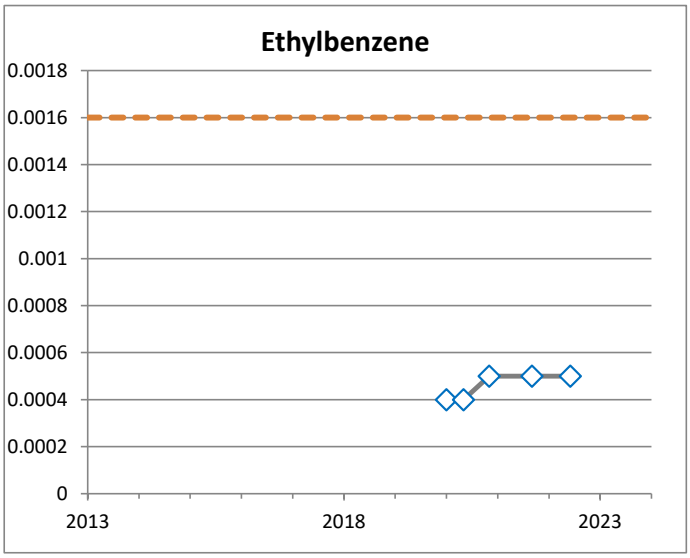
PARSONS

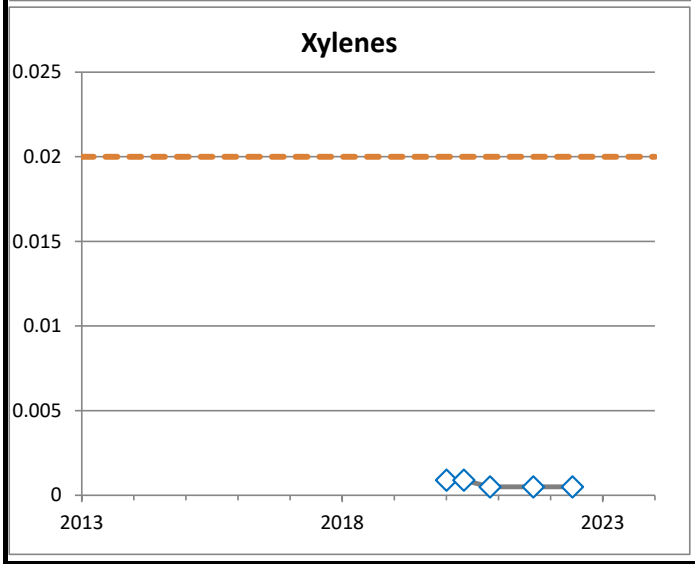
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-105	

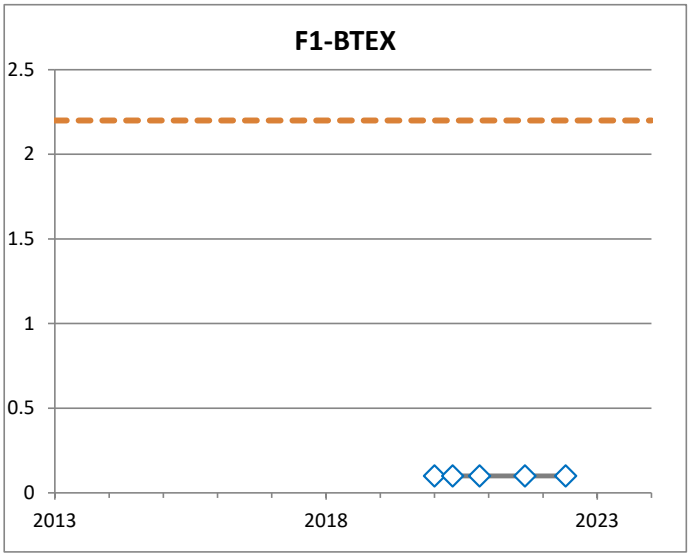












◇ Non-detect value

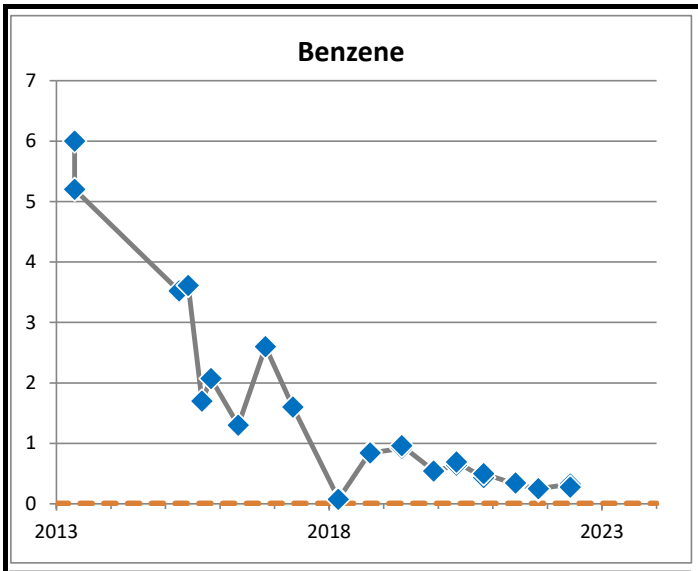
Drinking Water Guideline

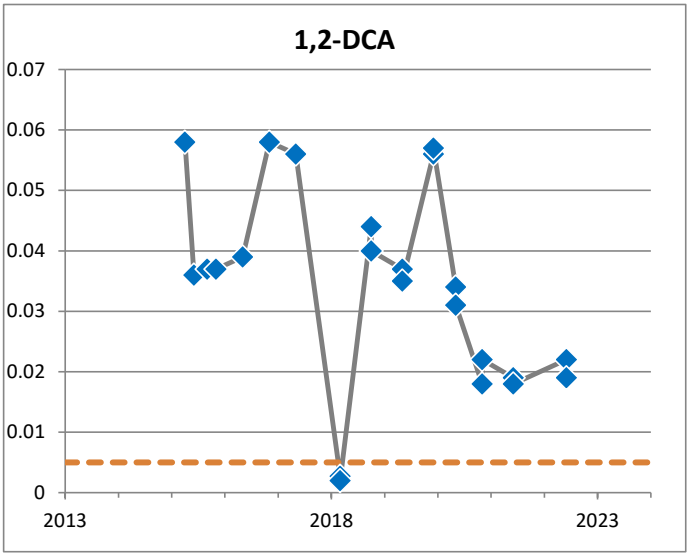
All samples are shown, including duplidates and multiple samples on the same date.

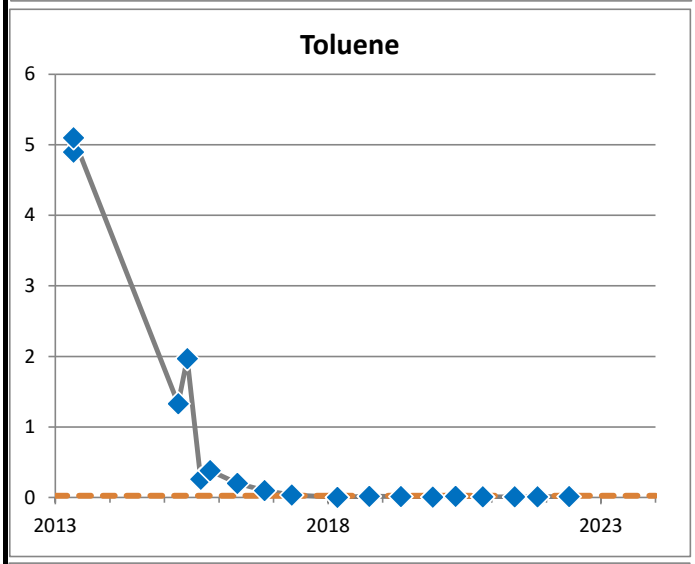
BH4009B
(mg/L)

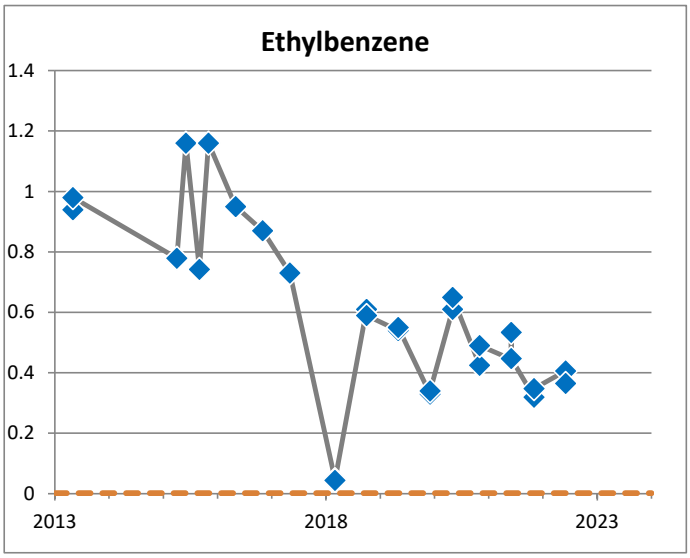
PARSONS

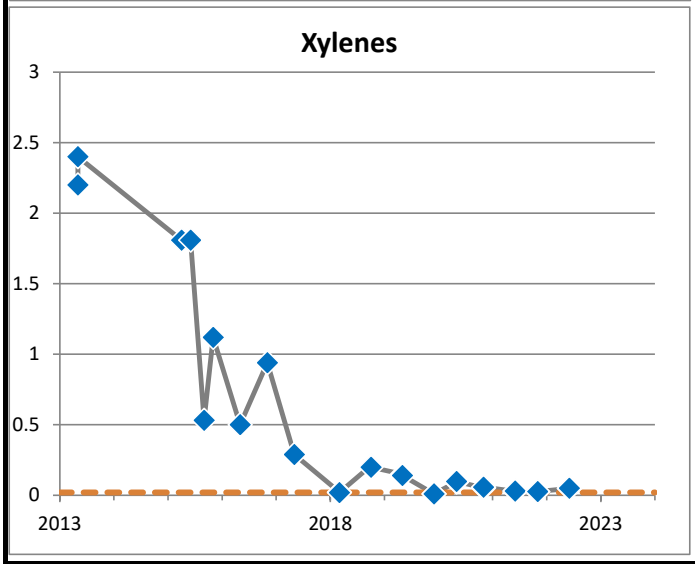
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-106	

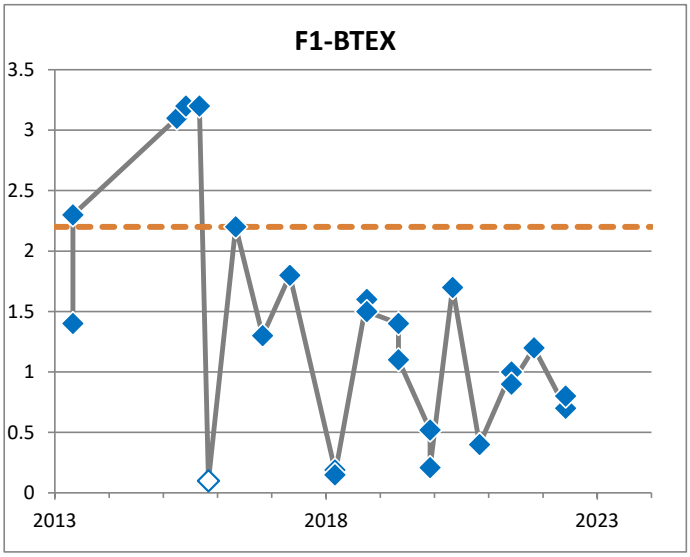












◇ Non-detect value

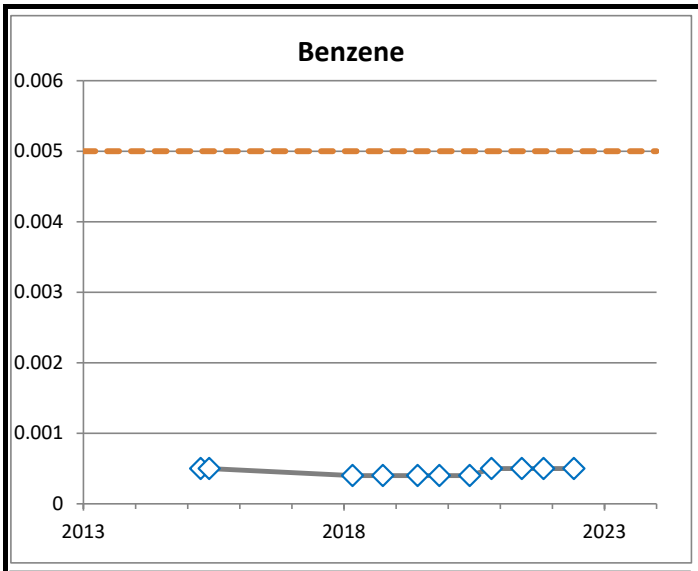
Drinking Water Guideline

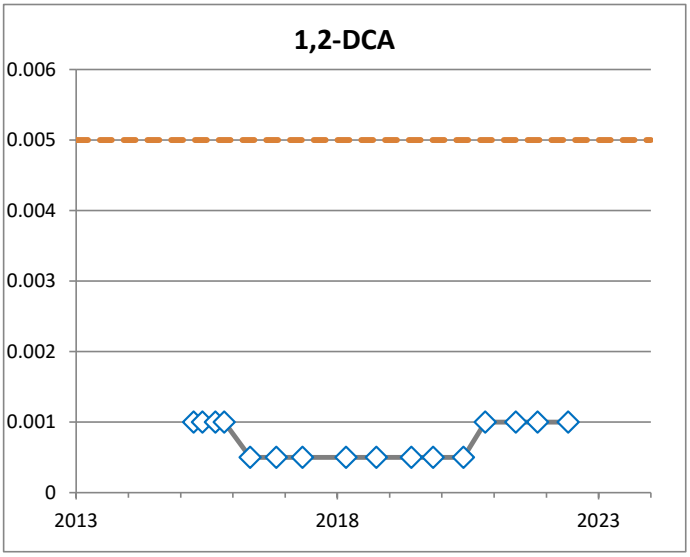
All samples are shown, including duplidates and multiple samples on the same date.

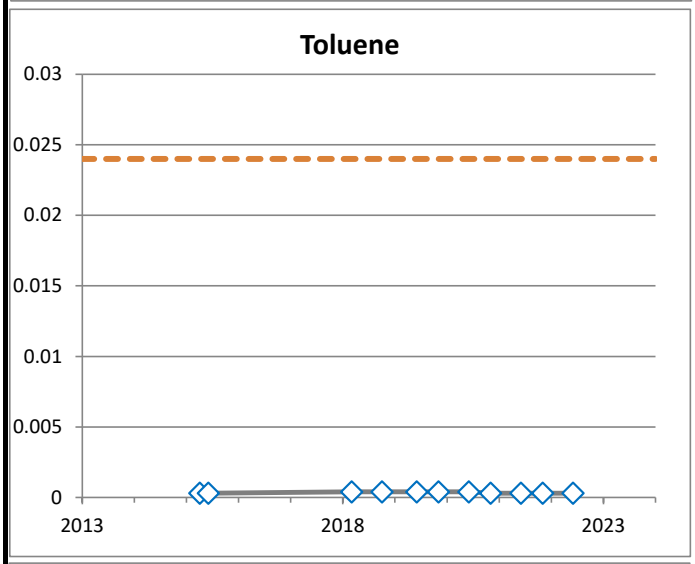
BH510A
(mg/L)

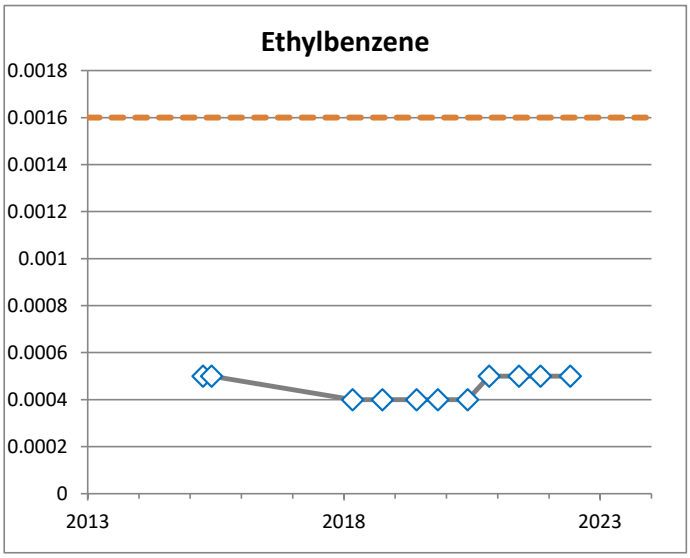
PARSONS

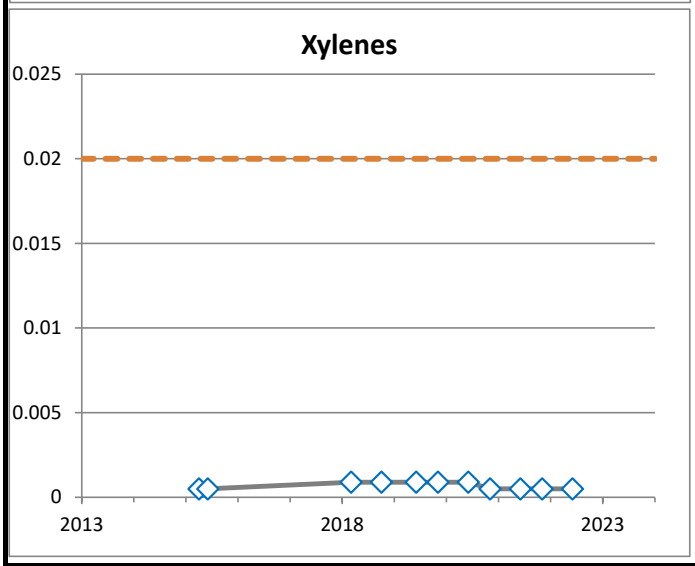
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-107	

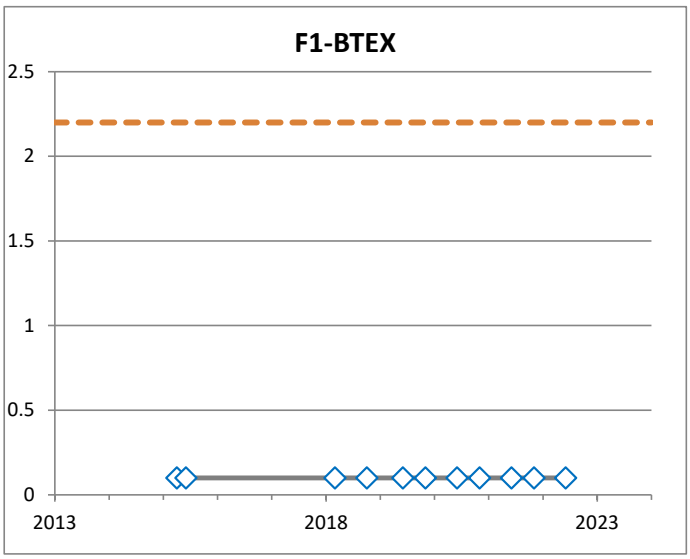












◇ Non-detect value

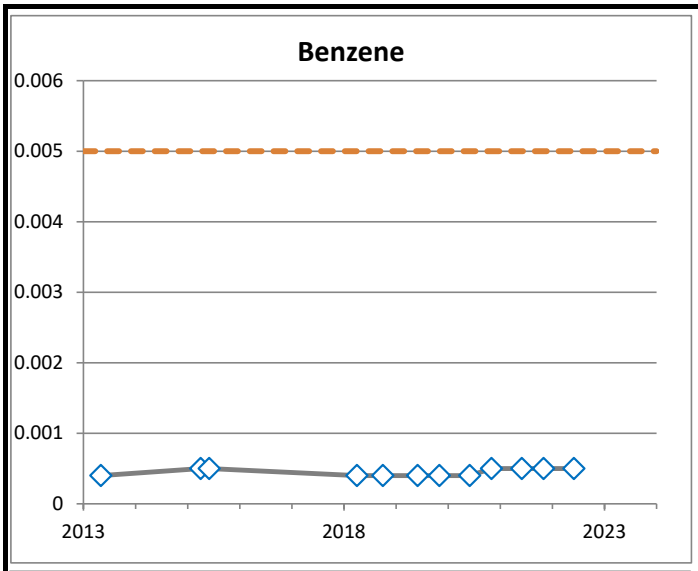
Drinking Water Guideline

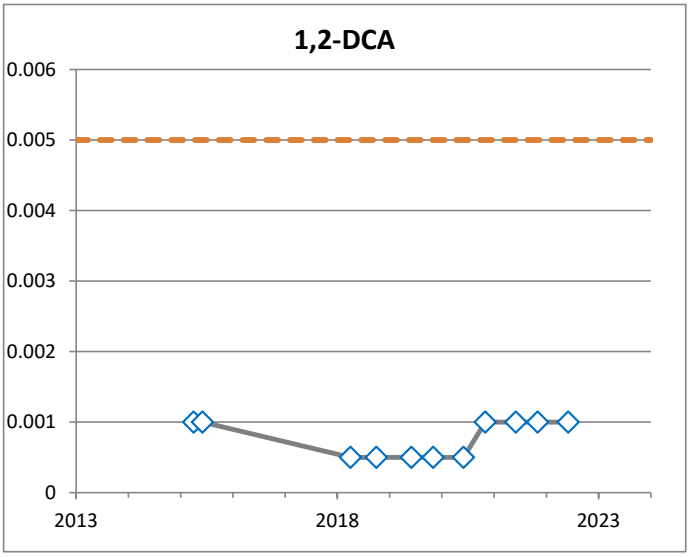
All samples are shown, including duplidates and multiple samples on the same date.

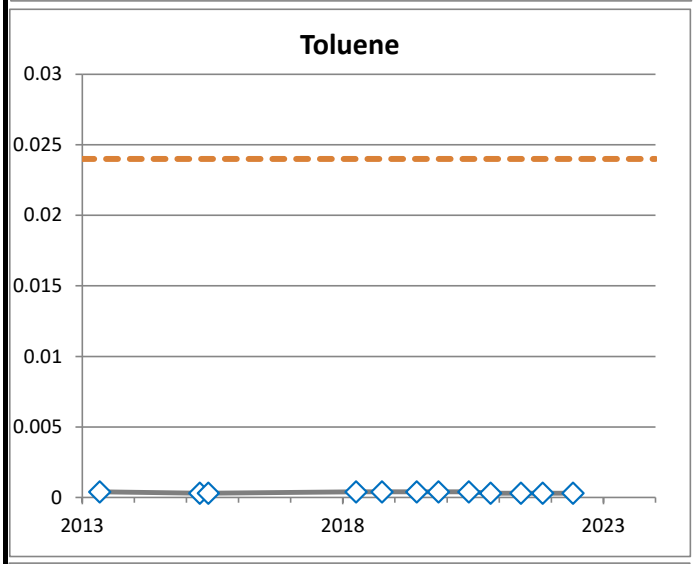
BH732
(mg/L)

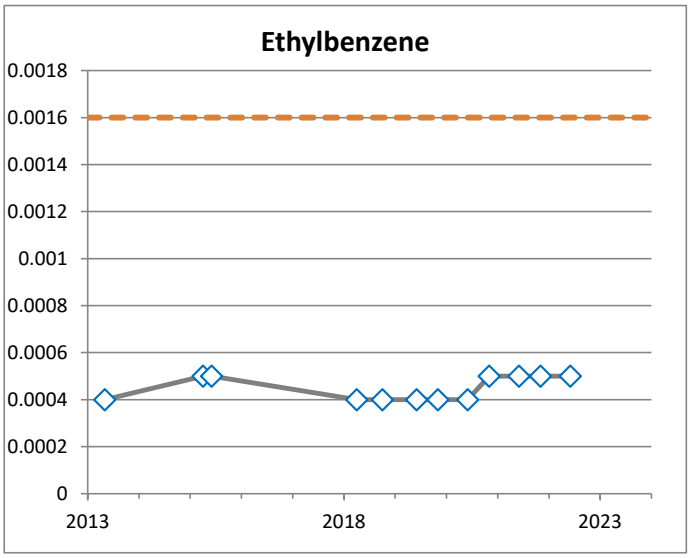
PARSONS

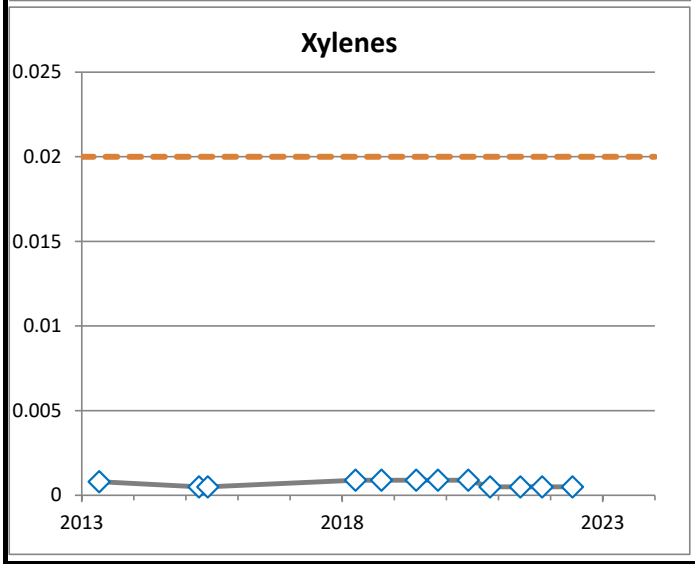
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-108		

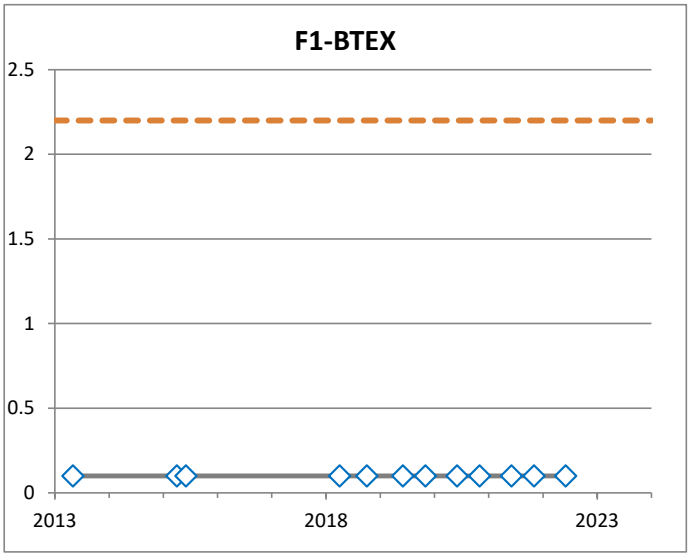












◇ Non-detect value

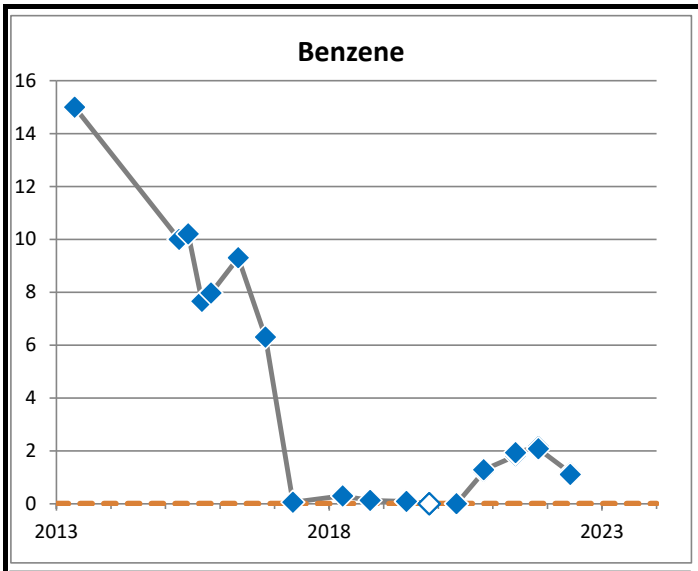
Drinking Water Guideline

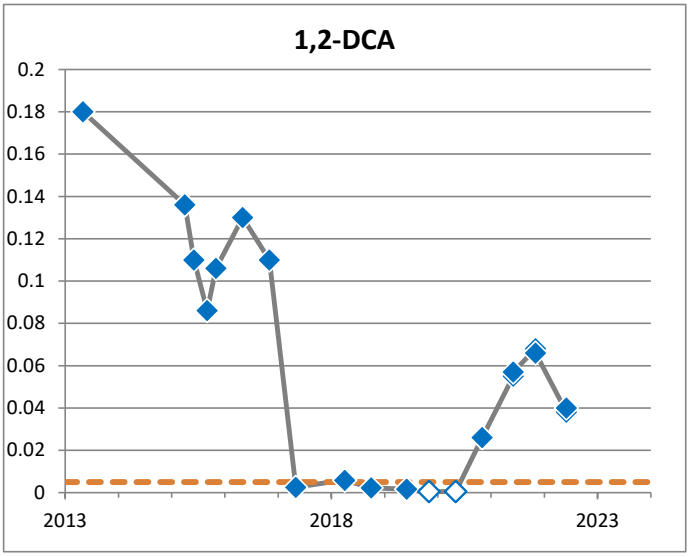
All samples are shown, including duplidates and multiple samples on the same date.

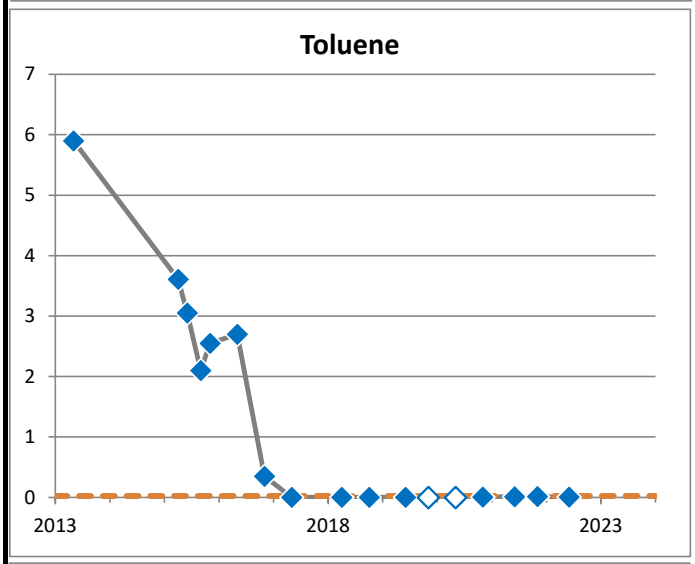
BH912
(mg/L)

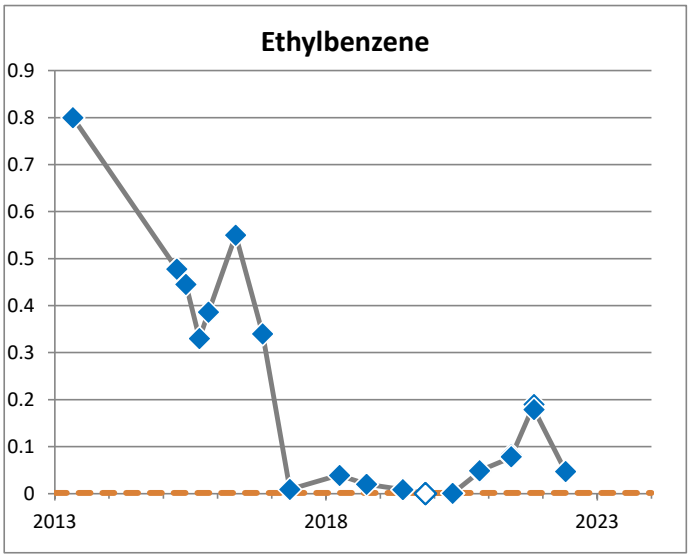
PARSONS

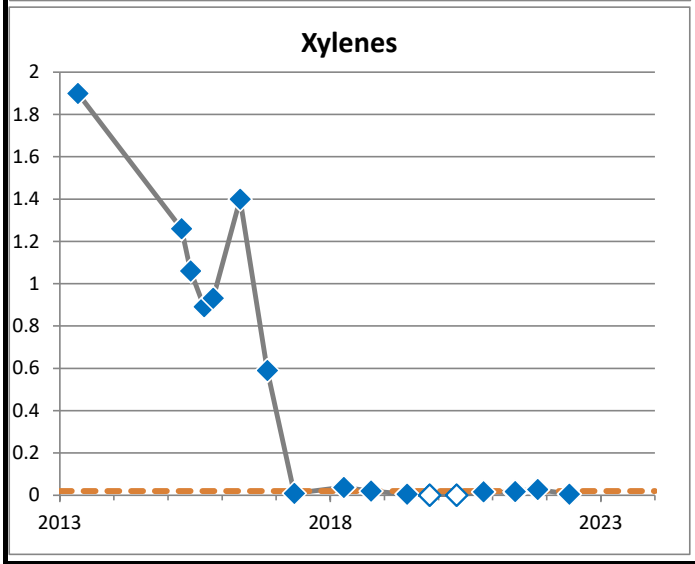
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-109	

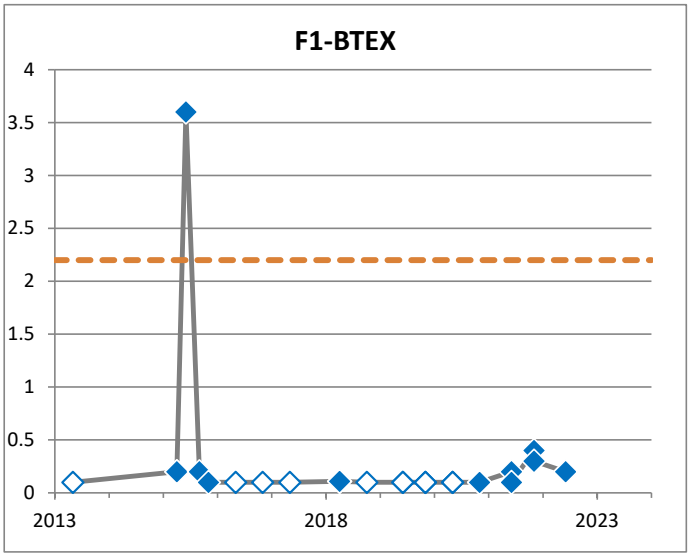












◇ Non-detect value

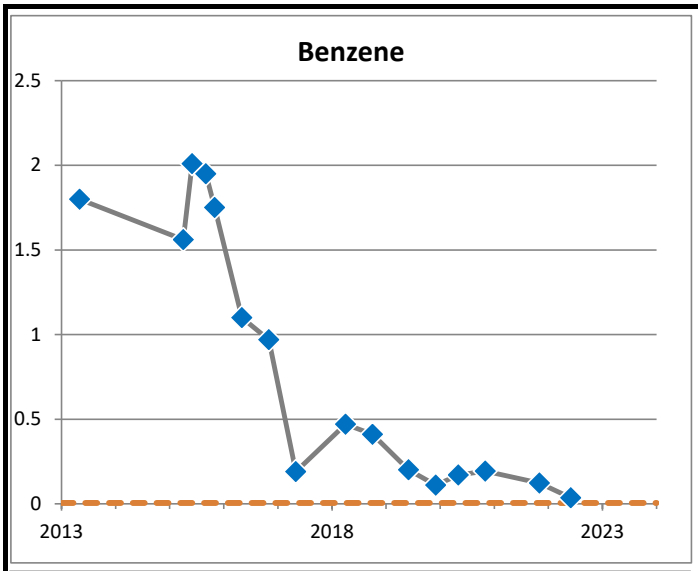
Drinking Water Guideline

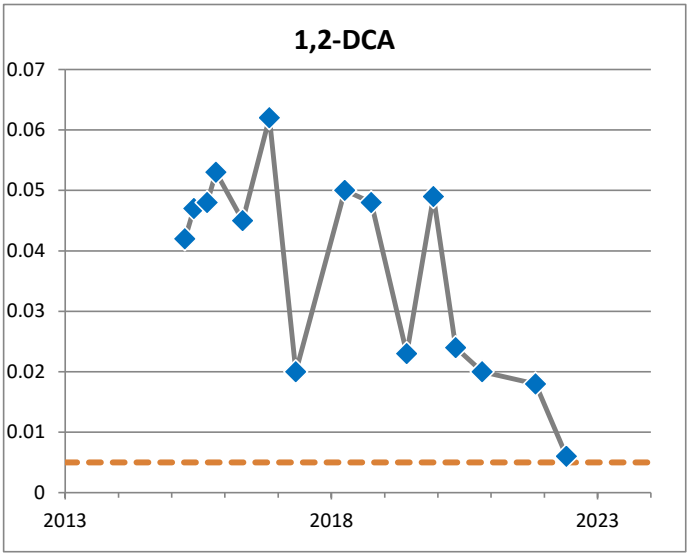
All samples are shown, including duplidates and multiple samples on the same date.

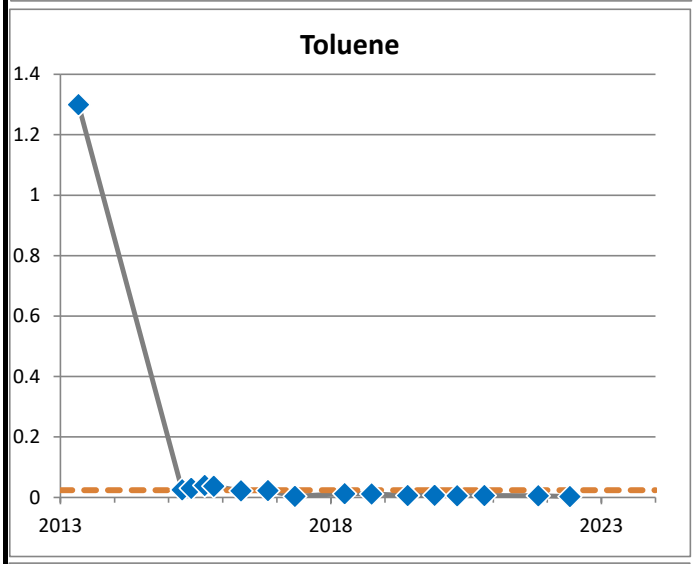
EX-1
(mg/L)

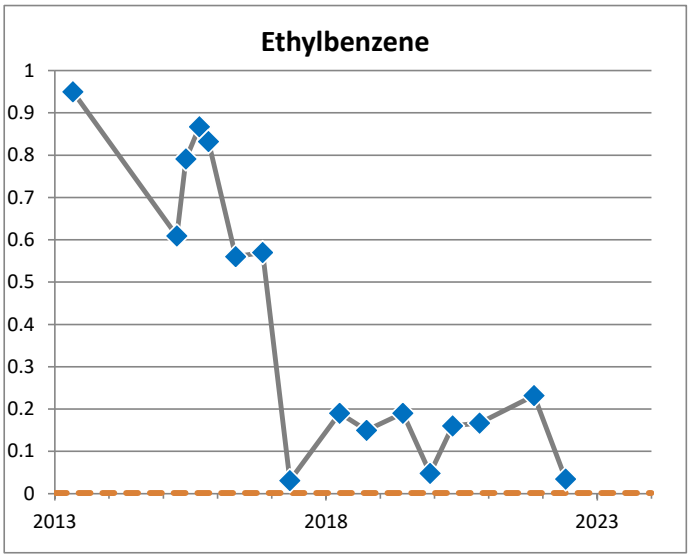
PARSONS

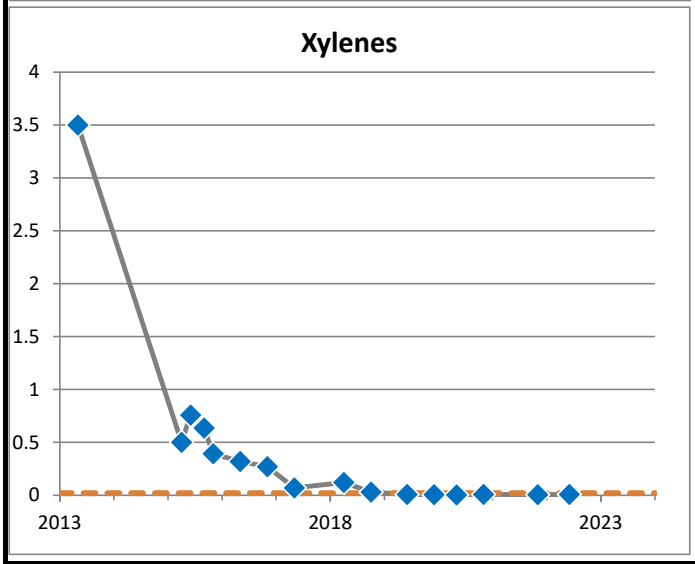
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-110	

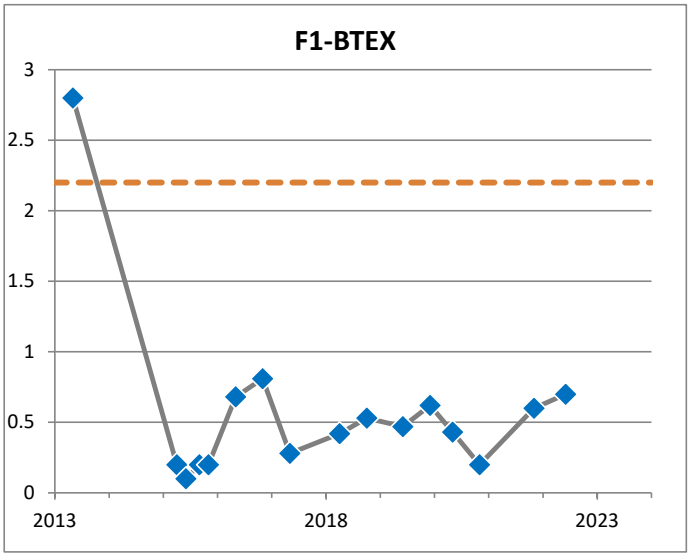












◇ Non-detect value

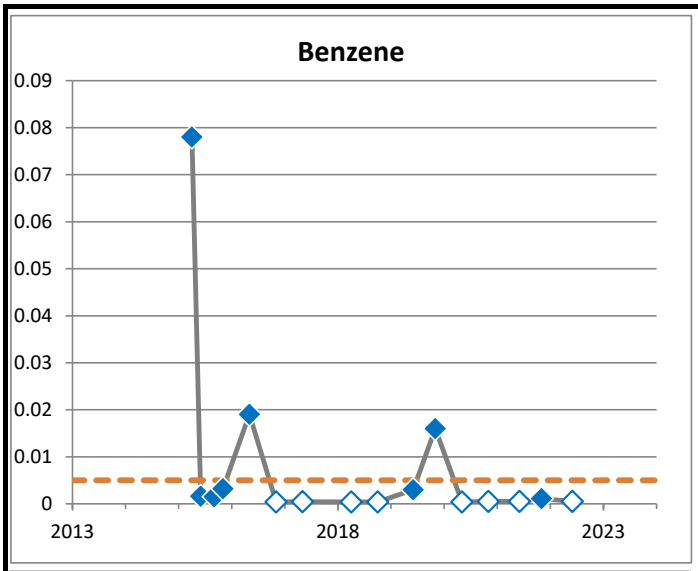
Drinking Water Guideline

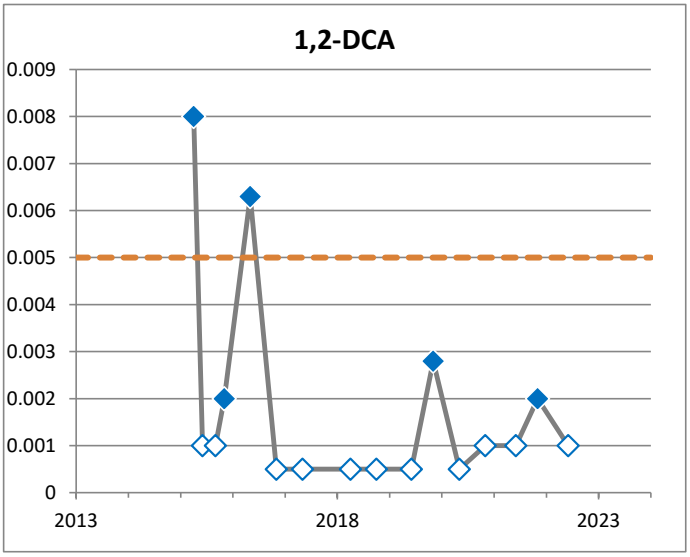
All samples are shown, including duplidates and multiple samples on the same date.

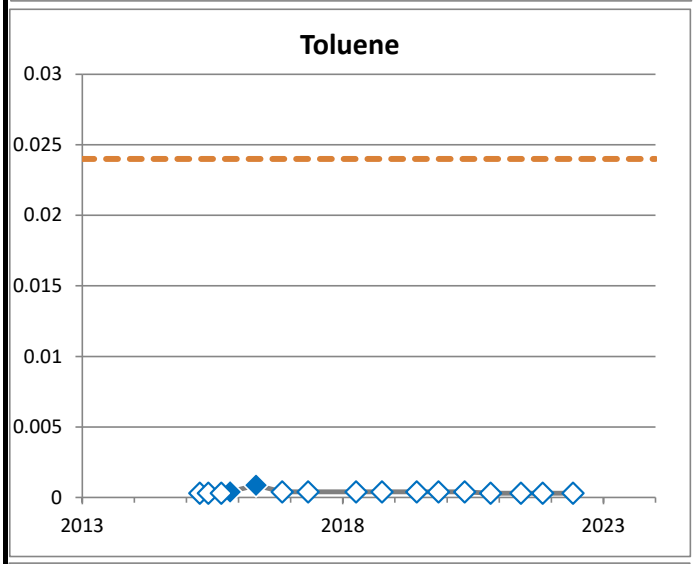
EX-2
(mg/L)

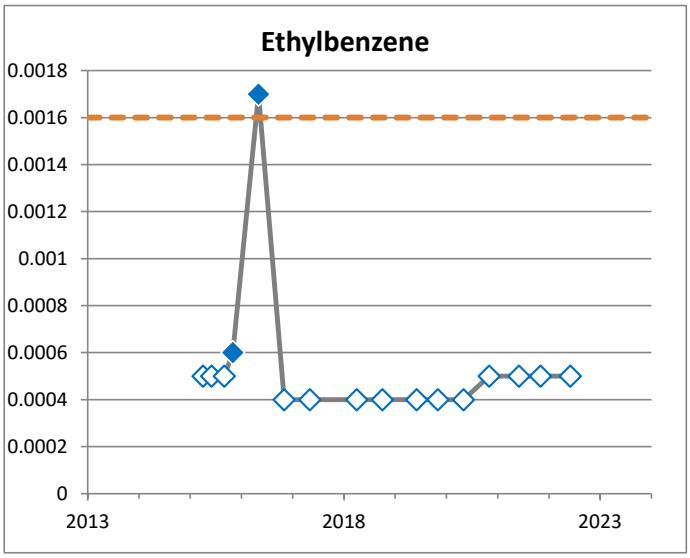
PARSONS

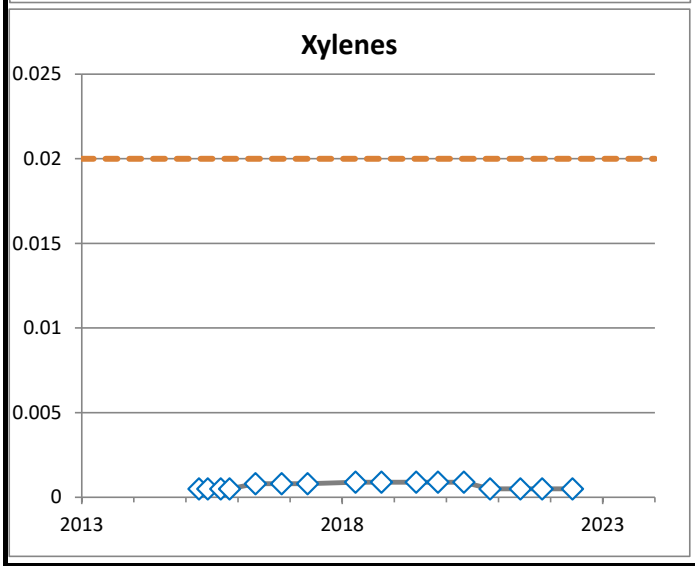
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-111	

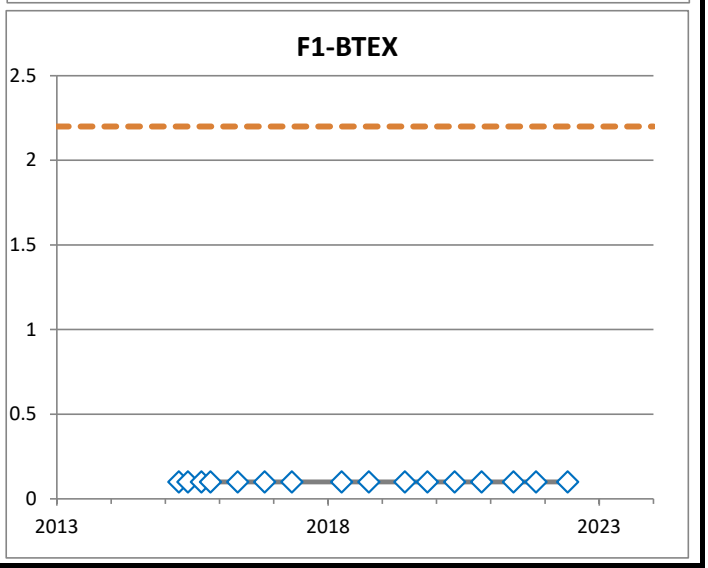












◇ Non-detect value

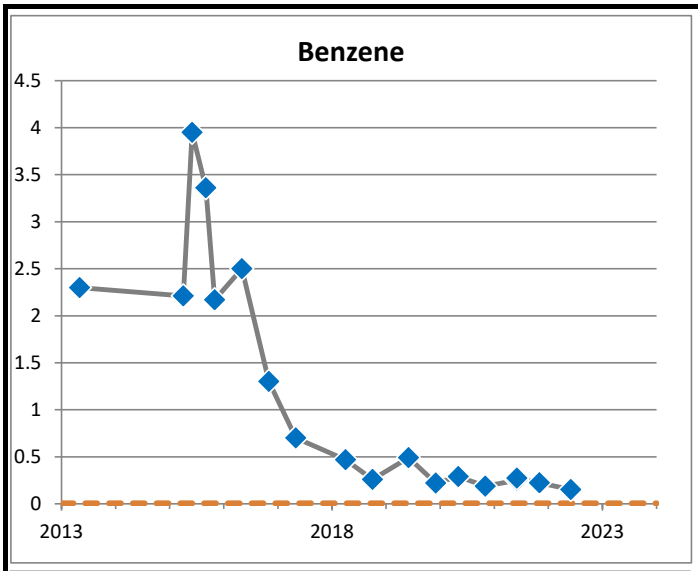
Drinking Water Guideline

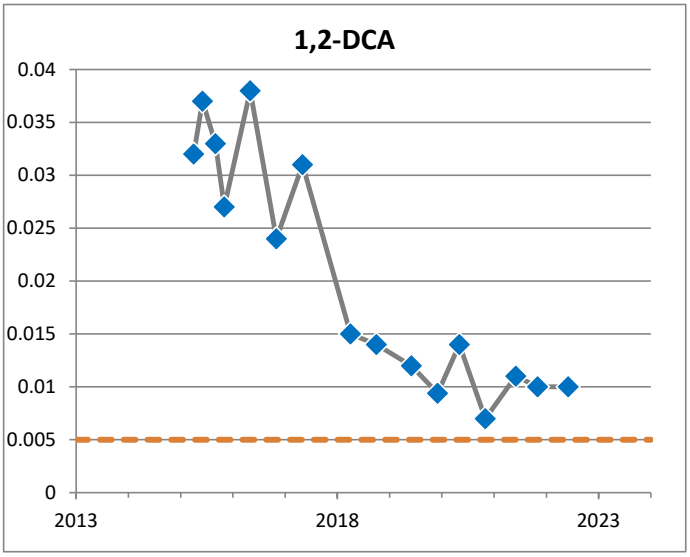
All samples are shown, including duplidates and multiple samples on the same date.

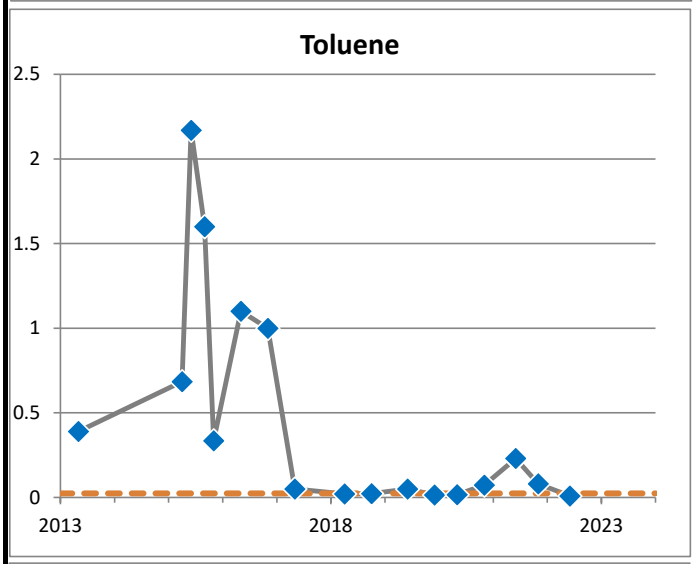
EX-3
(mg/L)

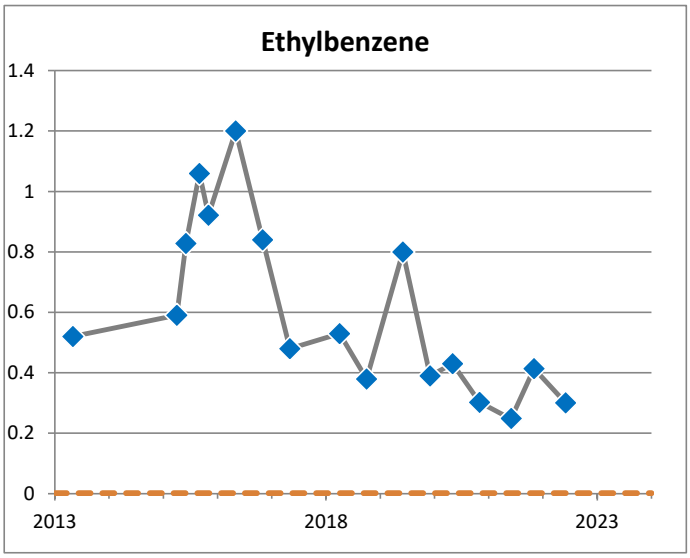
PARSONS

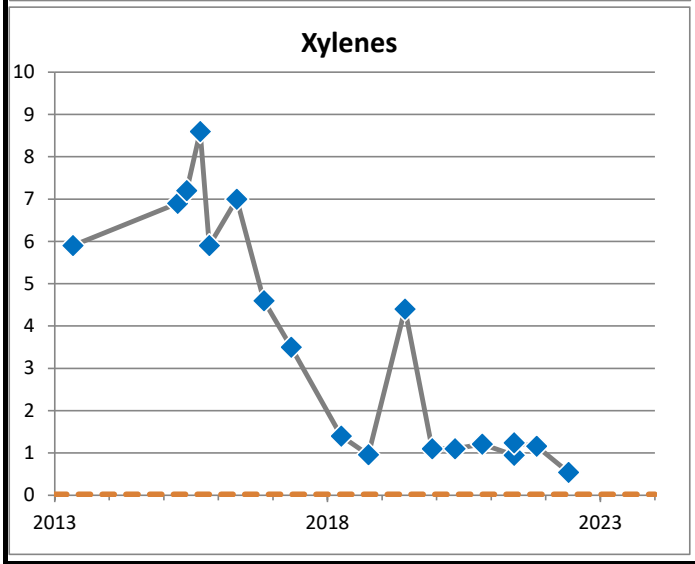
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-112	

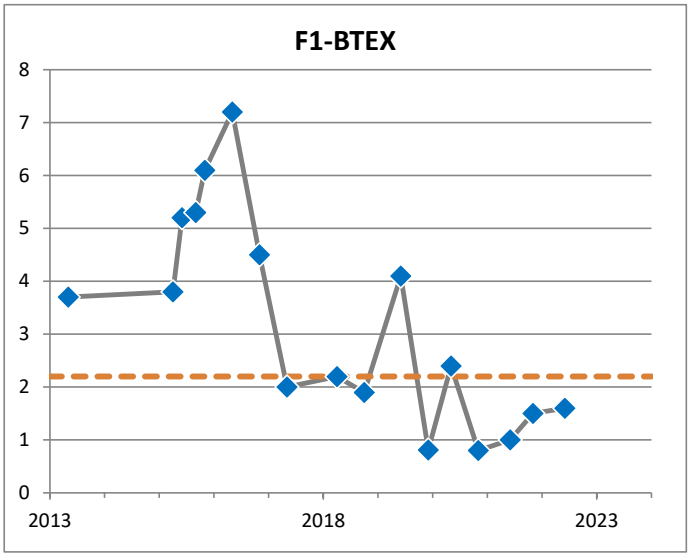












◇ Non-detect value

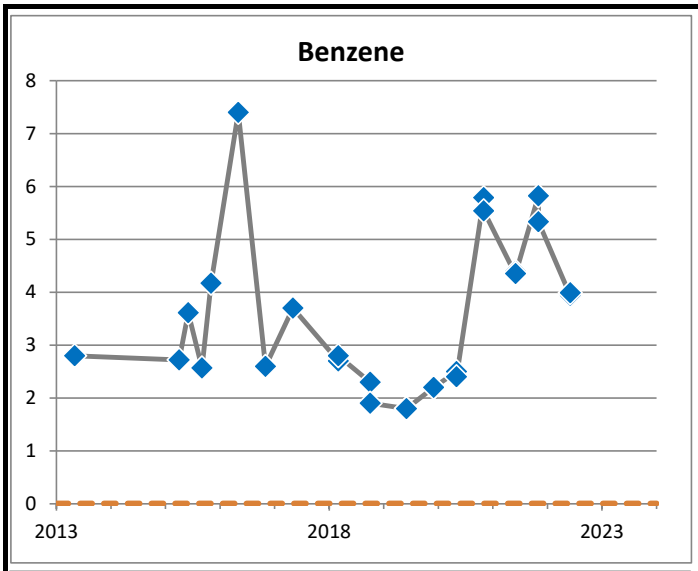
Drinking Water Guideline

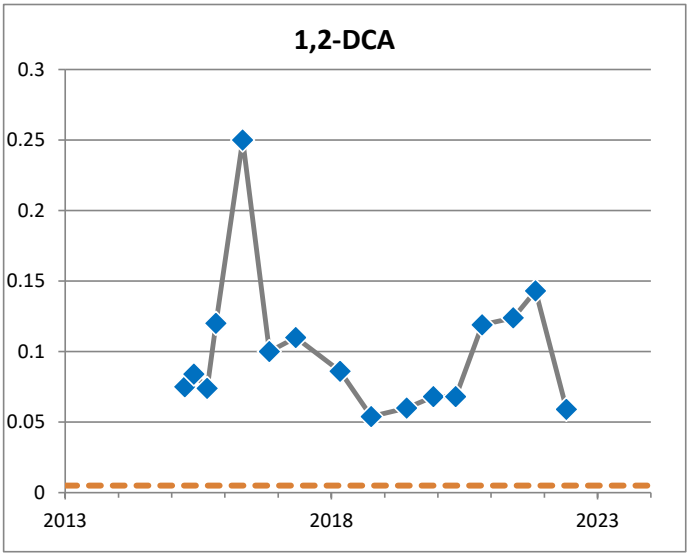
All samples are shown, including duplidates and multiple samples on the same date.

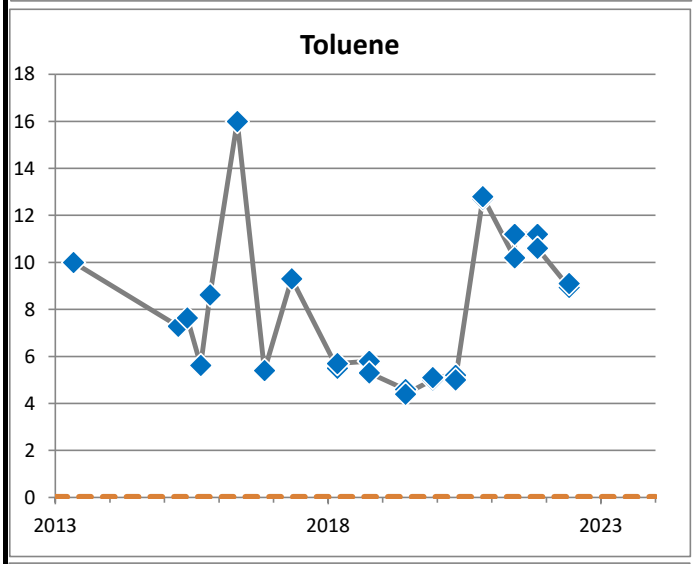
EX-4
(mg/L)

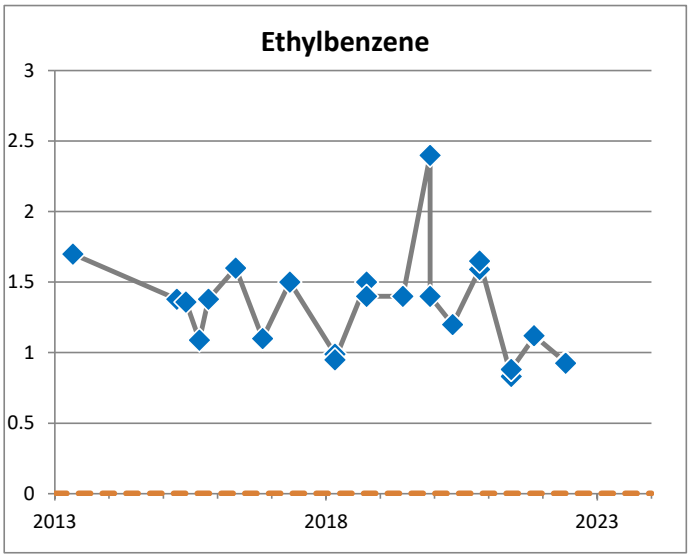
PARSONS

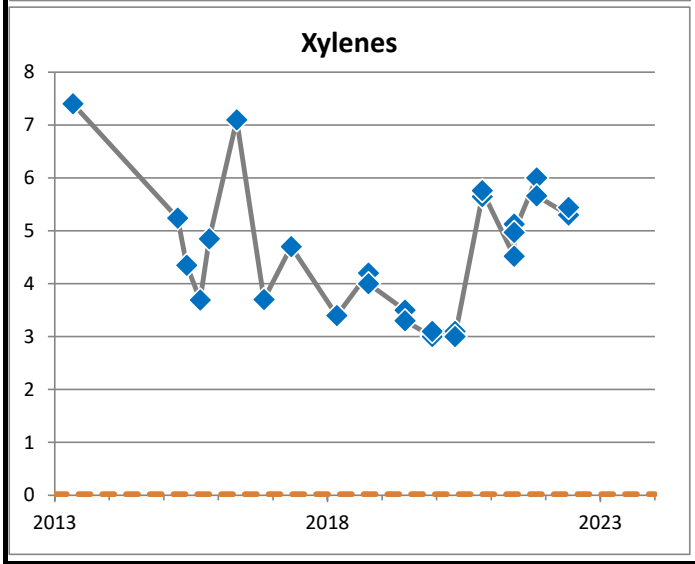
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-113	

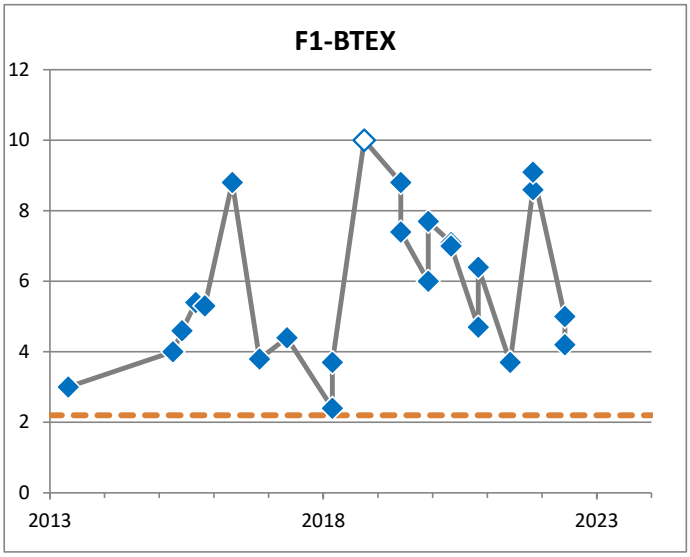












◇ Non-detect value

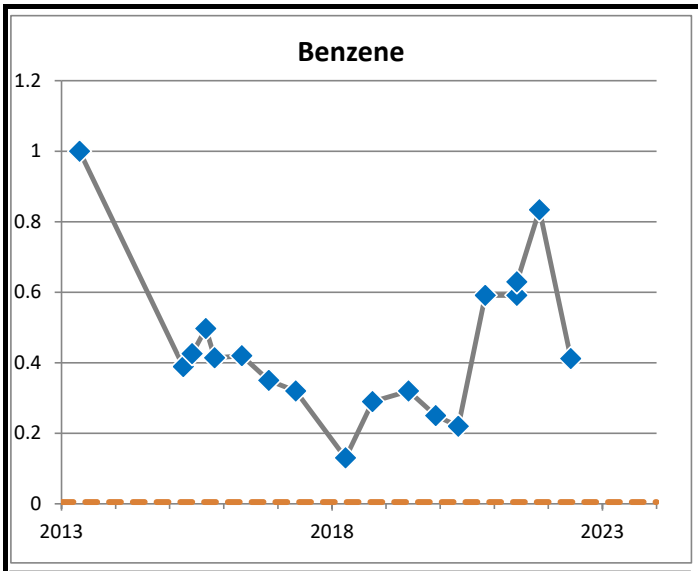
Drinking Water Guideline

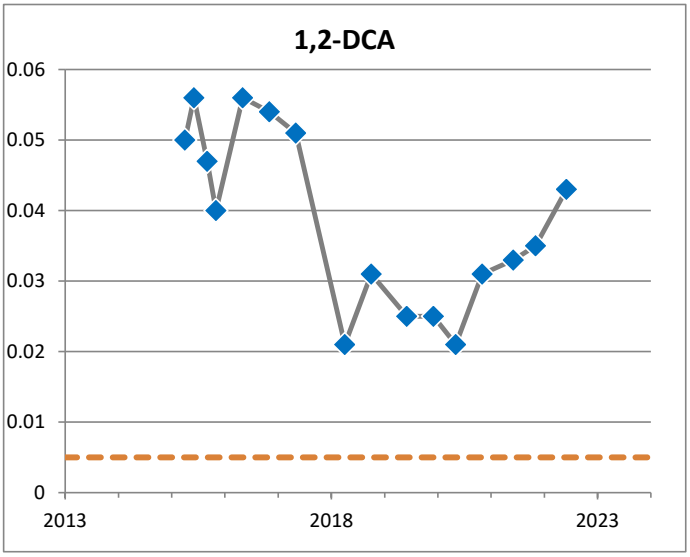
All samples are shown, including duplidates and multiple samples on the same date.

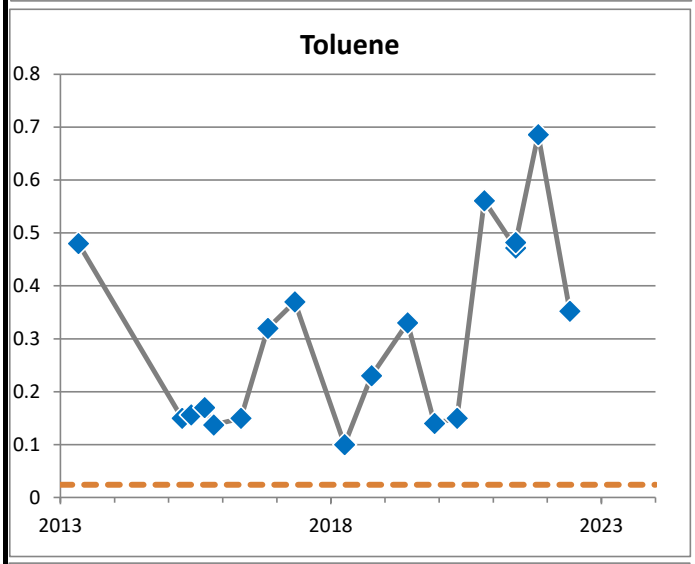
EX-5
(mg/L)

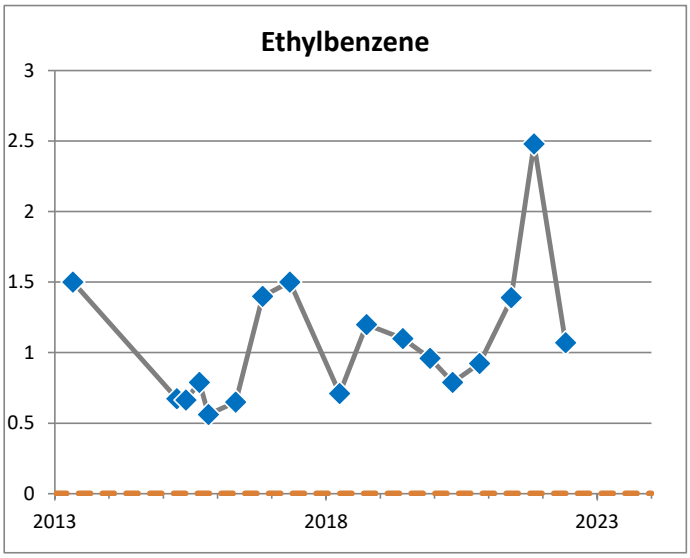
PARSONS

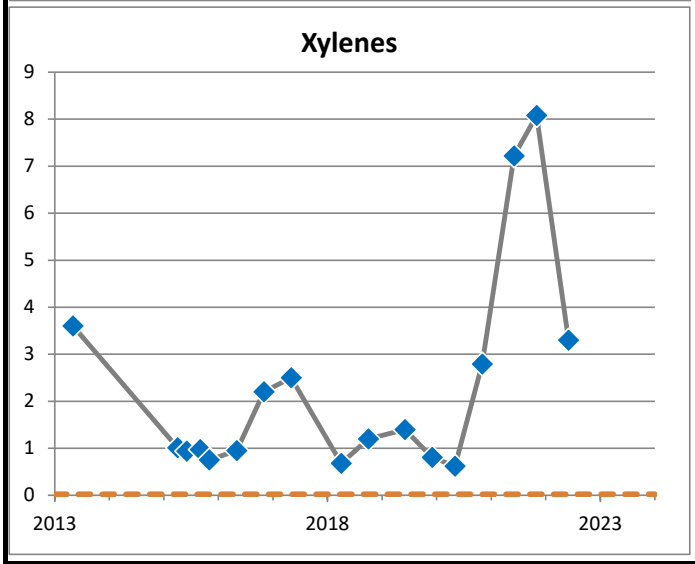
JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-114	

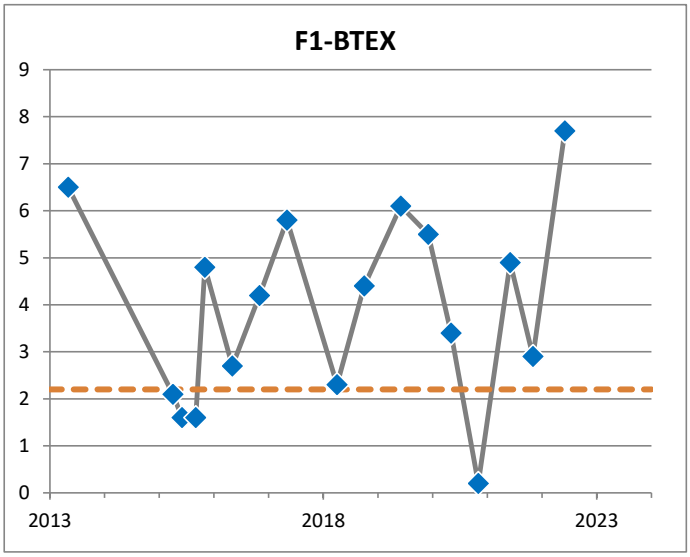












◇ Non-detect value

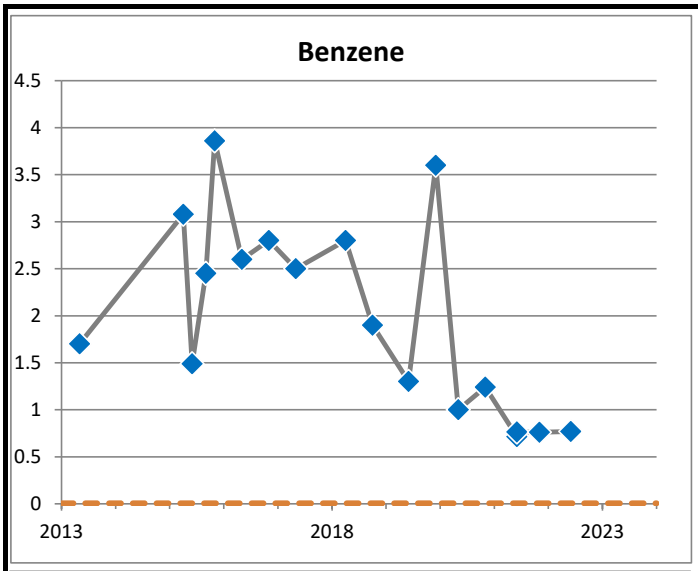
Drinking Water Guideline

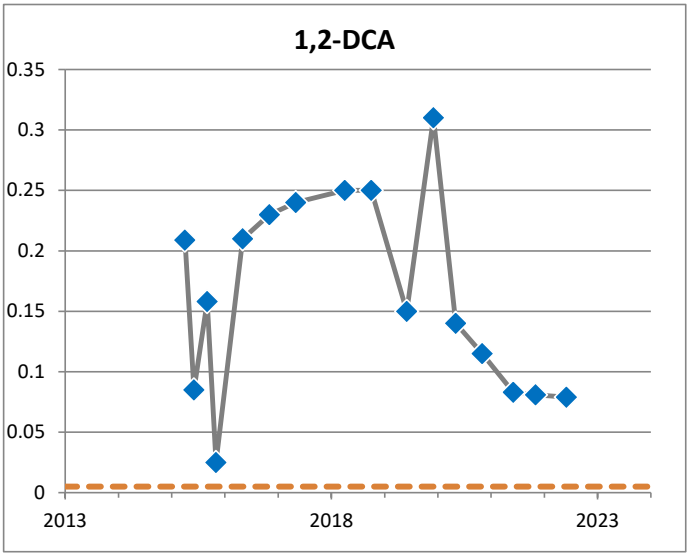
All samples are shown, including duplidates and multiple samples on the same date.

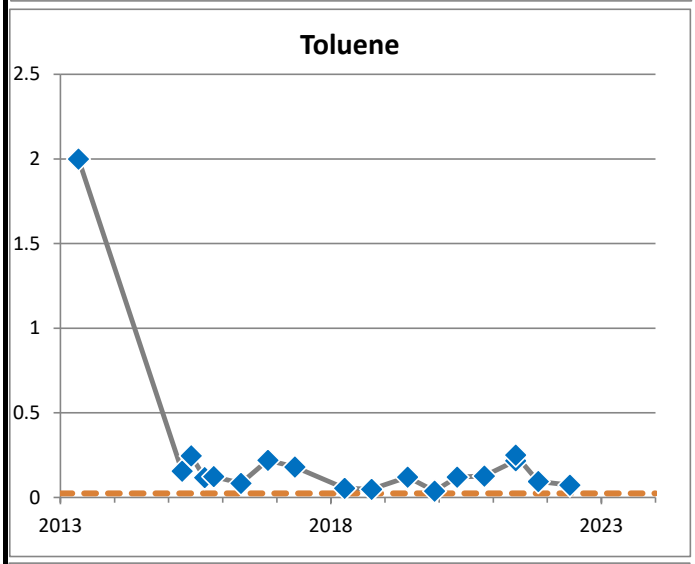
EX-6
(mg/L)

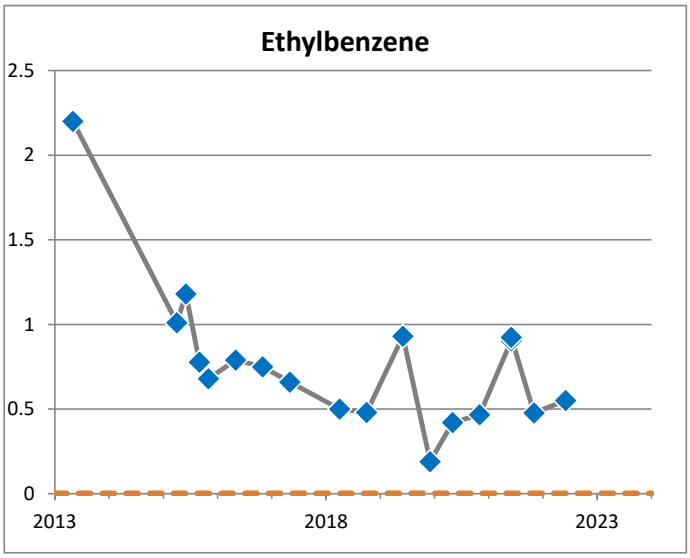
PARSONS

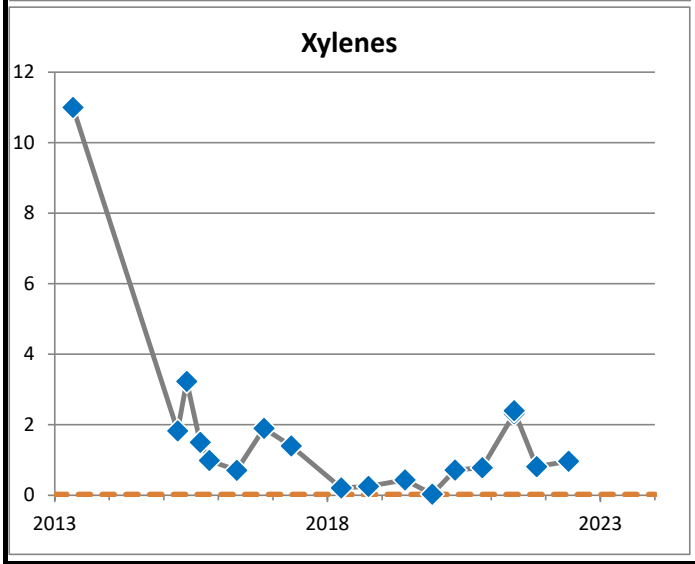
JOB NO.:	10-12832	DATE:	Feb 2, 2023
REF. NO.:	478092.17100	DRAWN BY:	SLD
DWG NO.:	G-115		

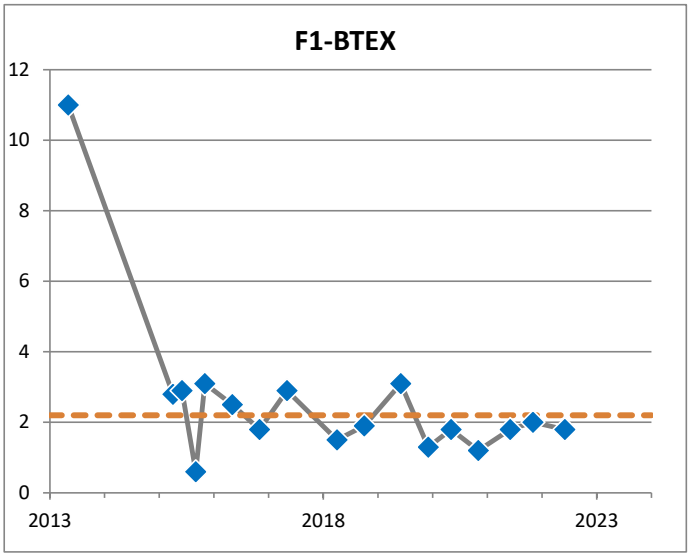












◇ Non-detect value

Drinking Water Guideline

All samples are shown, including duplidates and multiple samples on the same date.

EX-7
(mg/L)

PARSONS

JOB NO.: 10-12832	DATE: Feb 2, 2023
REF. NO.: 478092.17100	DRAWN BY: SLD
DWG NO.: G-116	