PACIFIC CREST ENVIRONMENTAL
1531 BENDIGO BOULEVARD NORTH PO BOX 952 NORTH BEND, WA 98045
T 425.888.4990 F 425.888.4994

December 12, 2018

Ms. Heather Vick
Toxics Cleanup Program
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008

RE: Former Penthouse Drapery and Belshaw Site
1752 Rainier Avenue South
Seattle, Washington
VCP I.D. No. NW2278
Facility/Site No. 23408
Pacific Crest No. 105-003

Dear Ms. Vick:

Enclosed for your review is one original, one copy, and one CD copy of the Cleanup Action Progress Report (the Report) prepared by Pacific Crest Environmental, LLC (Pacific Crest) on behalf of Penthouse Drapery Cleaners and Manufacturers, Inc. (Penthouse Drapery) for the Site Area 1 (SA-1) of the Former Penthouse Drapery and Belshaw Site (the Site). The Site consists of properties affected by a co-mingled contamination associated with releases that occurred at: the current location of Seattle Collision Center, Inc. (SCC), formerly owned by Penthouse Drapery, at 1752 Rainier Avenue South (Former Penthouse Drapery Property); adjacent properties immediately south of the Former Penthouse Drapery Property formerly owned by Belshaw Brothers, Inc. (Belshaw - a former subsidiary of Enodis Corporation [Enodis] and current subsidiary of AGA Foodservice) (Former Belshaw Property); and other adjacent properties owned by third parties.

This Report documents the extensive cleanup action activities conducted at SA-1 between April and November 2018 (the Reporting Period). Implementation of electric resistive heating (ERH) for SA-1 has successfully reduced concentrations of the contaminants of concern (COCs) in soil on the Former Penthouse Drapery Property and south adjacent property to levels below regulatory concern and reduced concentrations of tetrachloroethene (PCE) in groundwater to below the SA-1 Remediation Level. Pacific Crest estimates that ERH Treatment Zone temperatures will remain elevated for approximately 300 days after the Reporting Period. Enhanced biodegradation rates, relative to baseline conditions, are anticipated based on these elevated subsurface temperatures. On the basis of the effectiveness of the cleanup action activities conducted to date, Penthouse Drapery requests that Ecology provides a Property Specific No Further Action Determination for the Former Penthouse Drapery Property, currently owned by SCC (King County Tax Parcel No. 754830-1155), upon confirmation that concentrations of the COCs in groundwater beneath the Former Penthouse Drapery Property are below the applicable cleanup levels.

Please feel free to contact the undersigned at (425) 888-4990 if you have questions or comments regarding the information provided herein.

Sincerely,

PACIFIC CREST ENVIRONMENTAL, LLC

William Carroll, L.G., L.H.G.
Principal Hydrogeologist

Attachment: Cleanup Action Progress Report, dated December 11, 2018

cc: Mr. Jack Zahner – Foster Pepper, PLLC
Todd and Karen Sullivan – Seattle Collision Center

DEPARTMENT OF ECOLOGY
State of Washington

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

REQUEST FOR OPINION FORM

Use this form to request a written opinion on your planned or completed independent remedial action under the Voluntary Cleanup Program (VCP). Attach to this form the plans or reports documenting the remedial action. Please submit only one form for each request.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are requesting a written opinion under the VCP. This information may be found on the VCP Agreement.

Facility/Site Name: Former Penthouse Drapery and Belshaw Site

Facility/Site Address: 1752 Rainier Avenue South, Seattle, Washington

Facility/Site No: 23408	VCP Project No.: NW2278

Step 2: REQUEST WRITTEN OPINION ON PLAN OR REPORT

What type of independent remedial action plan or report are you submitting to Ecology for review under the VCP? Please check all that apply.

- ☐ Remedial investigation plan
- ☐ Remedial investigation report
- ☐ Feasibility study report
- ☐ Property cleanup* plan (* cleanup of one or more parcels located within the Site)
- ☐ Property cleanup* report
- ☐ Site cleanup plan
- ☐ Site cleanup report
- ☒ Other – please specify: Cleanup Action Progress Report

Do you want Ecology to provide you with a written opinion on the planned or completed independent remedial action?

☒ Yes ☐ No

Please note that Ecology's opinion will be limited to:

- Whether the planned or completed remedial action at the site meets the substantive requirements of the Model Toxics Control Act (MTCA), and/or
- Whether further remedial action is necessary at the site under MTCA.

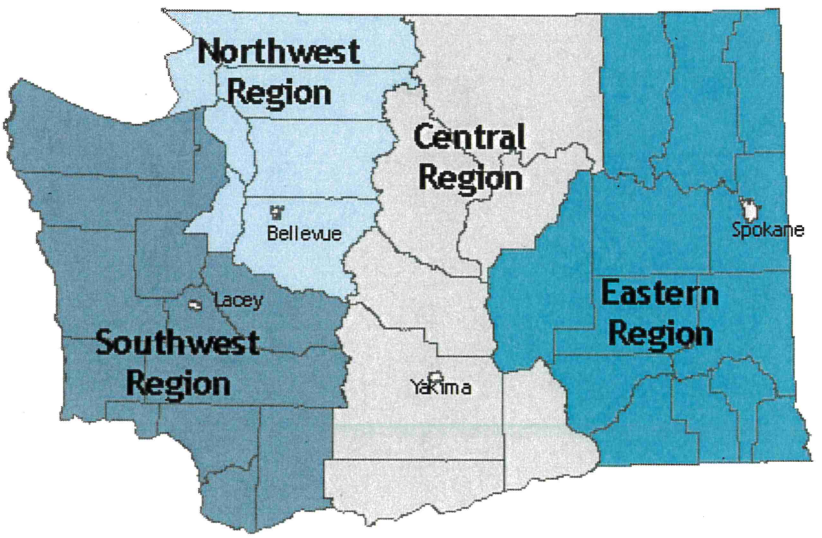
Step 3: REPRESENTATIONS AND SIGNATURE

The undersigned representative of the Customer hereby certifies that he or she is fully authorized to request services from Ecology under the Agreement for this VCP Project.

Name: William Carroll		Title: Principal Hydrogeologist
Signature: William Carroll		Date: 12/11/18
Organization: Pacific Crest Environmental, LLC		
Mailing address: PO Box 952		
City: North Bend	State: WA	Zip code: 98045
Phone: 425-888-4990	Fax: 425-888-4994	E-mail: wcarroll@arrowenv.com

Step 4: SUBMITTAL

Please mail your completed form and the independent remedial action plan or report that you are requesting Ecology review to the site manager Ecology assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: VCP Coordinator 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

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CLEANUP ACTION PROGRESS REPORT

FORMER PENTHOUSE DRAPERY AND BELSHAW SITE
1752 RAINIER AVENUE SOUTH
SEATTLE, WASHINGTON
SITE ID NO. 23408
VCP NO. NW2278

Submitted by:

Pacific Crest Environmental, LLC
1531 Bendigo Boulevard North
North Bend, WA 98045
Pacific Crest PN: 105-003

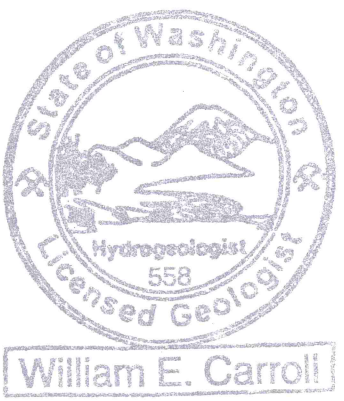
For:
Ms. Heather Vick
Toxics Cleanup Program
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue Southeast
Bellevue, Washington 98008

Prepared by:

Joel Harrington
Project Geologist

Reviewed by:

William Carroll, L.G., L.H.G.
Principal Hydrogeologist



December 11, 2018

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APPENDICES

1.0 INTRODUCTION

Pacific Crest Environmental, LLC (Pacific Crest) has prepared this Cleanup Action Progress Report (Progress Report) to document cleanup action activities conducted in response to a release of dry-cleaning solvent that occurred at Site Area 1 (SA-1) of the former Penthouse Drapery and Belshaw Site located in Seattle, Washington (the Site) (Figure 1). The contaminants of concern (COCs) for SA-1 include: tetrachloroethene (PCE); trichloroethene (TCE); cis-1,2-dichloroethene (c-DCE); trans-1,2-dichloroethene (t-DCE); and vinyl chloride (VC). The cleanup approach for SA-1 and Site-Specific Cleanup Levels (CULs) and Remediation Levels for the COCs are presented in the Draft for Ecology Review Cleanup Action Plan (CAP) for SA-1, dated July 7, 2015 (Pacific Crest & AECOM 2015). The Site cleanup is being conducted under the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) and Ecology has assigned VCP Number NW2278 to the Site.

This Progress Report documents implementation of the CAP between April 2018 and November 2018 (Reporting Period). The corrective action activities documented in this Progress Report include: background air monitoring; electric resistive heating (ERH) system operations; six performance groundwater monitoring events, and performance and confirmation soil sampling. The Site cleanup activities described herein were conducted in accordance with Ecology's Model Toxics Control Act (MTCA) Cleanup Regulation, as established in Chapter 173-340 of the Washington Administrative Code (WAC) (Publication No. 94-06 revised 2013). This Report provides information to Ecology regarding the status of the cleanup action, in accordance with Section 4.6.4.2 of the CAP.

1.1 OBJECTIVE

This Progress Report is intended to provide sufficient information to document cleanup action measures conducted during the Reporting Period. The overall project objective is to reduce concentrations of COCs in the affected media to levels below regulatory concern and to demonstrate that the cleanup meets the substantive requirements of MTCA sufficient to obtain a No Further Action determination for the Site.

2.0 SITE DESCRIPTION AND BACKGROUND

This section provides an overview of the physiographic conditions, relevant historical information, and investigation and cleanup activities. The information in this section has been previously provided to Ecology in the CAP dated July 7, 2015 and the *Engineering Design Report* (EDR) dated May 24, 2017.

2.1 SITE DESCRIPTION

The Site[1] consists of properties affected by co-mingled contamination associated with releases that occurred at: the current location of Seattle Collision Center, Inc. (SCC), formerly owned by the Penthouse Drapery Cleaners and Manufacturers, Inc. (Penthouse Drapery), at 1752 Rainier Avenue South (Former Penthouse Drapery Property); adjacent properties immediately south of the Former Penthouse Drapery Property formerly owned by Belshaw Brothers, Inc. (Belshaw), a former subsidiary of Enodis Corporation and current subsidiary of AGA Foodservice (Former Belshaw Property); and other adjacent properties owned by third parties as described in Section 2.1 of the Remedial Investigation/Feasibility Study (RI/FS) Report, dated July 25, 2014. For the purpose of selecting and implementing cleanup alternatives, the Site was divided into three sub-areas (SA-1, Site Area 2 [SA-2], and Site Area 3 [SA-3]) where cleanup actions will be implemented. This Progress Report only addresses cleanup actions conducted in SA-1.

2.2 GEOLOGY AND HYDROGEOLOGY

In SA-1, near the SCC Building, the upper 40-feet of soil consists of silt, clay, sand, and silty sand layers interpreted to be a mixture of shallow anthropogenic fill, recessional lacustrine and outwash deposits (Qvrl and Qvr) and till (Qvt) that have been modified by liquefaction during historical earthquakes. The material between approximately 40 feet below ground surface (bgs) and 70 feet bgs consists of dense silt and sandy silt containing trace amounts of gravel, interpreted to be till (Qvt). The material between approximately 70 feet bgs and 110 feet bgs (maximum depth explored) consists of sand and silty sand that grades with depth to silty sand and sandy silt interpreted to be advance outwash (Qva).

In SA-1, shallow unconfined groundwater is first encountered in discontinuous sandy layers at depths ranging from between approximately 12 feet bgs and 30 feet bgs and partially confined discontinuous saturated zones are encountered to 60 feet bgs, Shallow and Intermediate Zones, respectively. The material between the saturated zones (generally silt and sandy silt) was described as moist or slightly moist and did not produce sufficient groundwater to sample. The direction of groundwater flow in the Shallow and Intermediate Zones has been interpreted to be to the southeast. However, due to the geologic heterogeneity in the Shallow and Intermediate Zones, the characterization of groundwater flow direction using standard methods (i.e. potentiometric surface elevation contour maps) has, historically, been unreliable. Groundwater encountered in the sand and silty sand located between 60 feet bgs and 100 feet bgs (Deep Zone) appears to be partially confined by the silt located between 40 feet bgs and 65 feet bgs. The aquifer material in the Deep Zone (sand and silty sand) is more homogeneous than the material

[1] A "Site" is defined as the areal and vertical extent of the contaminants of concern (COCs) in the media of concern at concentrations that exceed the applicable cleanup levels.

in the Shallow and Intermediate Zones (interbedded sands and silts). The direction of groundwater flow in the Deep Zone has been interpreted to be to the east-northeast.

2.3 SITE HISTORY

The Site investigation area (Investigation Area) includes: the Former Penthouse Drapery and Belshaw properties; the public right-of-ways adjacent to the properties; and the topographically up- and down-gradient areas in the immediate vicinity of the Former Penthouse Drapery and Belshaw properties.

Between 1995 and 2010, Phase I Environmental Site Assessments and subsurface investigation activities were conducted in the Investigation Area by Dames & Moore (D&M), Pricewaterhouse Coopers, LLP (PWC), Aaron and Wright Technical Services, Inc. (A&W), URS, G-Logics, Inc. (G-Logics), and Pacific Crest. The objectives of these investigations included satisfying property transaction due-diligence requirements and characterizing the nature and extent of contamination.

Subsurface investigation activities included: advancing soil borings; installing groundwater monitoring wells; collecting soil, groundwater and soil vapor samples for laboratory analysis; and conducting in-situ hydraulic conductivity testing. The locations of soil borings and monitoring wells installed during the previous investigation activities at SA-1 are illustrated on Figure 2. The subsurface investigation activities are summarized in the RI/FS Report dated July 25, 2014.

The CAP, prepared by Pacific Crest and AECOM, presents electric resistive heating (ERH) combined with enhanced in-situ anaerobic bioremediation and monitored natural attenuation of the COCs in groundwater as the proposed cleanup action for SA-1. ERH is an in-situ technology that applies an electrical current via electrodes to the subsurface for treatment of contaminated soil and groundwater. The electrodes are placed in the subsurface and activated so that electrical current passes through the area of contamination. The resistance of the soil to the electric current heats the soil which, in turn, heats the groundwater to a target temperature approaching 100 degrees Celsius to generate steam. The resulting steam, which serves as a carrier gas to remove chlorinated volatile organic compounds (CVOCs) from the subsurface, is recovered from extraction wells by a vacuum extraction blower and cooled. After the recovered air is cooled and the steam condensed, the CVOC vapors are treated using conventional methods before being discharged to the atmosphere. The site soil and groundwater become progressively cleaner as concentrations of CVOCs are extracted. A full description of the cleanup action is summarized in the CAP (Pacific Crest & AECOM 2015) and EDR (Pacific Crest & AECOM 2017).

Baseline groundwater monitoring and air monitoring, well replacement, and ERH System construction conducted in 2017 is covered in the *Cleanup Action Progress Report*, dated August 10, 2018. Uninterrupted ERH System operations began on March 29, 2018.

3.0 CLEANUP ACTION IMPLEMENTATION

The elements of the CAP implemented during the Reporting Period include the following:

- ERH system operations;
- Air monitoring;
- Performance groundwater monitoring; and
- Performance and confirmation soil sampling.

A summary of the cleanup action and progress monitoring activities is provided in the following sections.

3.1 ERH SYSTEM OPERATIONS

ERH system operations were active from March 29, 2018 to October 8, 2018. ERH system design, calculation and schematics were provided in the *Engineering Design Report* (EDR), dated May 24, 2017. ERH system construction and start-up activities were provided in the *Cleanup Action Progress Report*, dated August 10, 2018.

During ERH operations, Pacific Crest conducted weekly operations and maintenance (O&M) visits to monitor vapor recovery system flow rates, pressures, and total volatile organic compound (TVOC) concentrations from the inlet, midpoint, and outlet of the granular activated carbon (GAC) vessels with a photoionization detector (PID). On a monthly basis, Pacific Crest collected GAC vessel influent and effluent vapor samples for submittal to OnSite Environmental, Inc. (OnSite) for analysis of halogenated volatile organic compounds (HVOCs) by EPA Method 8260C.

ERH operations were continuous with the exception of planned shutdowns for performance sampling and minor, unplanned shutdowns. On July 13, 2018, TRS began dosing the condensate stream with BioSide HS to reduce biofilm growth on equipment, following approval by the King County Industrial Waste Pretreatment Program. Following July 2018 groundwater analytical results, TRS ceased power application to the deeper electrodes (50 to 85 feet bgs) and several shallow electrodes beneath the SCC building on July 23, 2018.

On October 8, 2018, ERH operations ceased upon reaching the design remediation energy of 1,750,000 kilowatt-hours (kWh). The vapor recovery system remained active through the end of the Reporting Period.

Copies of TRS's weekly ERH System Status Reports, which provide additional details regarding system operations, are provided as Appendix A.

3.2 AIR MONITORING

On June 28, 2018, Pacific Crest conducted an air monitoring event by collecting two indoor air samples in the SCC Shop and one ambient air sample using laboratory-prepared 6-liter evacuated Summa® canisters with flow regulators set to collect over an 8-hour period (Sample Time). The sampling was conducted to provide performance monitoring during the cleanup action. Samples were collected in accordance with Pacific Crest's Standard Operating Procedures (SOPs). Sample locations are described below and illustrated on Figure 3:

- Western Interior SCC Shop (Indoor Air Sample IA1-062818);
- Eastern Interior SCC Shop (Indoor Air Sample IA2-062818); and
- Ambient Air (Ambient Air Sample AA1-062818).

The Summa® canisters were deployed overnight to minimize the potential for automobile repair activities to influence the sample results. One outdoor air sample was collected concurrent with the collection of the indoor air samples. The outdoor sample was collected from two meters above ground surface. After the Sample Time elapsed, the Summa® canisters were collected and transported to Fremont Analytical, Inc. (Fremont) of Seattle, Washington, under standard chain-of-custody procedures. Freemont analyzed the air samples for PCE, TCE, c-DCE, and VC by EPA Method TO-15 and prepared a report documenting the results. A copy of the analytical report is provided in Appendix B.

3.3 PERFORMANCE GROUNDWATER MONITORING

Pacific Crest conducted six performance groundwater monitoring events during the Reporting Period. The purpose of the performance groundwater monitoring was to evaluate the progress and effectiveness of the cleanup action during ongoing ERH operations.

Steam and elevated groundwater temperatures present in the Treatment Zone during ERH operations necessitated additional safety precautions and sampling procedures during groundwater monitoring activities. Monitoring wells MW-33S, MW-33I, MW-34S, MW-34I, MW-35S, MW35-I, and SCC-3 (Treatment Zone Shallow and Intermediate Wells) and wells MW-33D, MW-34D, and MW-35D (Treatment Zone Deep Wells) were sampled in accordance with EPA's *Low-Flow (Minimal Drawdown) Groundwater Sampling Procedures* (EPA/540/S-95/504) and hot-water sampling methodologies developed by TRS, as described below.

- At least 4 hours prior to sampling, the ERH power control unit (PCU) was turned off. Lock-out/tag-out procedures were applied during sampling activities.
- Water level measurements were not collected from Treatment Zone Wells due to safety concerns.
- A dedicated stainless-steel cooling coil was connected to the stainless-steel discharge tubing in the monitoring well via a brass ball valve and then placed in a portable cooler filled with ice water to reduce the purge water temperature prior to sampling. Additional ice was added to the cooler when necessary to keep the purge water temperature below 60 degrees Celsius.
- The end of the cooling coil was connected to a peristaltic pump and a YSI 556 multi-parameter water quality meter equipped with a flow-through cell. Groundwater geochemical parameters, including temperature, specific conductivity, pH, dissolved oxygen, and oxidation/reduction potential were recorded during purging approximately every three minutes.
- Groundwater samples were collected from polyethylene tubing upstream of the flow-through cell following stabilization of water quality parameters or once 30 minutes of purging was completed.

Groundwater monitoring for monitoring wells located outside the Treatment Zone (non-Treatment Zone Wells) was conducted in accordance with EPA's *Low-Flow (Minimal Drawdown)*

Groundwater Sampling Procedures (EPA/540/S-95/504) and Pacific Crest SOPs, as described below.

- Prior to collecting water level data, each of the monitoring wells was opened and left undisturbed for a minimum of 15 minutes to allow sufficient time for stabilization and equilibrium with atmospheric pressure.
- An electronic water level indicator was used to measure the depth to groundwater in the wells relative to a surveyed mark on the north side of the top of the casing to an accuracy of 0.01 feet. The water level indicator was raised and lowered a minimum of 3 times to confirm the reading prior to recording the depth to water on the field form.
- Each well was purged using a peristaltic pump and dedicated polyethylene tubing at a flow rate of between approximately 100 to 300 milliliters per minute (mL/min).
- Groundwater geochemical parameters, including temperature, specific conductivity, pH, dissolved oxygen, and oxidation/reduction potential were recorded during purging approximately every three minutes using a YSI 556 multi-parameter water quality meter equipped with a flow-through cell.
- Groundwater samples were collected from polyethylene tubing upstream of the flow-through cell following stabilization of water quality parameters.

All groundwater samples were collected into laboratory-prepared sample containers. The vials were completely filled with water to eliminate potential loss of volatiles to headspace. Each vial was checked to ensure that there were no air bubbles present in the sample, labeled, placed on ice in a cooler, and transported to OnSite under standard chain-of-custody protocols. OnSite analyzed the samples for HVOCS by SW-846 Method 8260 and prepared reports documenting the results. Copies of the analytical reports are provided in Appendix B.

The monitoring wells sampled during each monitoring event was dependent on the ERH energy application and/or the analytical results from previous monitoring events. The groundwater monitoring events were as follows:

- On June 11 and 12, 2018, Pacific Crest conducted groundwater monitoring and sampling in monitoring wells MW-17, MW-21S, MW-21D, MW-22, MW-27S, MW-27I, MW-30S, MW-30I, MW-30D, MW-31S, MW-31I, MW-31D, MW-33S, MW-33I, MW-33D, MW-34S, MW-34I, MW-34D, MW-35S, MW-35I, MW-35D, SCC-1, and SCC-3.

- On July 11, 12, and 13, 2018, Pacific Crest conducted groundwater monitoring and sampling in monitoring wells MW-17, MW-30S, MW-30I, MW-30D, MW-31S, MW-31I, MW-31D, MW-33S, MW-33I, MW-33D, MW-34S, MW-34I, MW-34D, MW-35S, MW-35I, MW-35D, SCC-1, and SCC-3.

- On August 8, 2018, Pacific Crest conducted groundwater monitoring and sampling in monitoring wells MW-33S, MW-33I, MW-34S, MW-34I, MW-34D, MW-35S, MW-35I, MW-35D, SCC-1, and SCC-3.

- On August 22, 23, and 24, 2018, Pacific Crest conducted groundwater monitoring and sampling in monitoring wells MW-17, MW-21S, MW-21D, MW-22, MW-27S, MW-27I, MW-30S, MW-30I, MW-30D, MW-31S, MW-31I, MW-31D, MW-33S, MW-33I, MW-33D, MW-34S, MW-34I, MW-34D, MW-35S, MW-35I, MW-35D, SCC-1, and SCC-3.

- On September 26, 2018, Pacific Crest conducted groundwater monitoring and sampling in monitoring wells MW-33S, MW-33I, MW-34S, MW-34I, MW-34D, MW-35S, MW-35I, MW-35D, SCC-1, and SCC-3.

- On November 8, 2018, Pacific Crest conducted groundwater monitoring and sampling in monitoring wells MW-31I, MW-33S, MW-33I, MW-34S, MW-34I, SCC-1, and SCC-3. Based on previous geochemical parameter data and analytical results, TRS recommended the following changes to sampling procedures:
    - Purge rates should not exceed 100 mL/min;
    - Geochemical parameters should be documented in one-minute intervals; and
    - Each well should not exceed its specified maximum purge volume (between 1,600 and 17,000 mL).

3.4 SOIL SAMPLING

3.4.1 Performance Soil Sampling

On July 14 through 17, 2018, Holocene Drilling, Inc. (Holocene), under the direction of a Pacific Crest geologist/engineer, advanced six borings (CSB-1 through CSB-6) in the Treatment Zone (Figure 4). The borings were advanced to depths between 45 and 65 feet bgs, based on field screening results. A total of 24 soil samples were collected and submitted for laboratory analysis. Soil sampling was conducted in accordance with Pacific Crest SOPs and hot-soil sampling methodologies developed by TRS, as described below.

- At least 4 hours prior to sampling, the ERH PCU was turned off. Lock-out/tag-out procedures were applied during sampling activities.
- Soil samples were collected in brass sample sleeves, capped, and placed into an ice bath to cool. The samples sleeves were not submerged in water at any time.
- Each soil sample was field screened by visual and olfactory notation and soil vapor headspace analysis. Soil vapor headspace analysis was conducted by sealing soil in a plastic bag, allowing the bag to warm for several minutes, and testing the headspace in the bag for TVOC concentrations using a PID.
- Soil samples selected for laboratory analysis were transferred into laboratory-prepared sample containers, with care taken to minimize loss of volatiles. The soil samples were collected in accordance with SW-846 EPA Method 5035 and submitted to OnSite for analysis. OnSite analyzed the samples for HVOCS by SW-846 Method 8260 and prepared reports documenting the results. Copies of the analytical reports are provided in Appendix B.

3.4.2 Confirmation Soil Sampling

Confirmation soil sampling was conducted at locations and depths where COC concentrations exceeded their applicable CULs in the previous soil sampling results. On August 25, 2018, Holocene, under the direction of a Pacific Crest engineer, advanced three borings (CSB-7 through CSB-9) adjacent to previous borings CSB-6, CSB-2, and CSB-3, respectively. The borings were advanced to depths between 6.5 and 55 feet bgs, based on the depths of performance soil samples that exceeded CULs. Soil sampling methodologies were consistent with those described in Section 3.5. A total of 6 soil samples were collected and submitted to OnSite for analysis.

OnSite analyzed the samples for HVOCS by SW-846 Method 8260 and prepared a report documenting the results. A copy of the analytical report is provided in Appendix B.

On September 27, 2018, Holocene, under the direction of a Pacific Crest engineer, advanced two borings (CSB-10 and CSB-11) adjacent to previous borings CSB-8 and CSB-9, respectively. The borings were advanced to depths between 46.5 and 55 feet bgs, based on the depths of the previous confirmation samples that exceeded CULs. A total of 4 soil samples were collected and submitted to OnSite for analysis. OnSite analyzed the samples for HVOCS by SW-846 Method 8260 and prepared a report documenting the results. A copy of the analytical report is provided in Appendix B.

3.5 DECONTAMINATION AND WASTE MANAGEMENT

All non-dedicated field sampling equipment was decontaminated between each use and prior to leaving the Site using a solution of Alconox and water and a deionized water rinse. Purge water and decontamination wash water generated during the field activities were input into the vapor recovery system and treated prior to discharge to the sanitary sewer.

During the Reporting Period, twenty-nine 55-gallon drums of soil were generated during drilling activities associated with performance soil sampling and confirmation soil sampling. The soil investigation derived waste (IDW) were placed in DOT-approved 55-gallon drums pending receipt of laboratory analytical results.

On the basis of the results of laboratory analysis of soil samples, Pacific Crest requested that Ecology issue exemptions from management of the IDW as dangerous waste in accordance with Ecology's Contained-In Policy dated February 19, 1993. On September 25, 2018, Ecology issues a letter authorizing the "contained-in" status of the soil IDW generated during July and August sampling activities (twenty-three 55-gallon drums). Upon receipt of the authorization letter from Ecology, the soil was transported off-site for disposal at Waste Management's Greater Wenatchee Regional Landfill. Copies of the waste disposal documentation is provided in Appendix C.

4.0 RESULTS

The results of the cleanup action activities conducted during the Reporting Period are presented in the following sections.

4.1 ERH OPERATIONS RESULTS

Active ERH system operations occurred between March 29, 2018 and October 8, 2018. During this period, the ERH system applied approximately 1,750,245 kilowatt-hours (kWh) of energy to the subsurface (Table 1). ERH operational data is summarized below:

- Average Treatment Zone subsurface temperatures reached 100°C by June 21, 2018 and remained above 100°C for approximately 84 days (Table 1). At the end of the Reporting Period, 38 days after ERH energy application had ceased (post-ERH operation), the average subsurface temperature was 89.2°C.
- During ERH operation, daily condensate production averaged 970 gallons per day. During post-ERH operation, daily condensate production averaged 170 gallons per day. The total condensate production during the Reporting Period was 193,001 gallons (Table 1).
- Laboratory analysis of influent vapor samples detected PCE at concentrations ranging from 0.5 micrograms per liter (µg/L) to 17 µg/L (Table 2). Laboratory analysis of influent vapor samples did not detect TCE, c-DCE, or VC at concentrations above their respective method detection limits. Laboratory analysis of effluent air samples did not detect PCE, TCE, c-DCE or VC at concentrations their respective method detection limits. The cumulative mass of PCE removed during ERH energy application is estimated to be 11.9 kilograms (Table 3). Graphs of ERH energy application, average subsurface temperatures, condensate production, and cumulative PCE mass removed over time are illustrated in Figure 5.

4.2 AIR MONITORING RESULTS

The air analytical data for the Reporting Period are presented in Table 4, illustrated on Figure 3, and summarized below:

- Laboratory analysis detected PCE at concentrations ranging from 2.58 micrograms per cubic meter (µg/m^3) to 2.69 µg/m^3.
- Laboratory analysis did not detect TCE, c-DCE, and VC at concentrations above their respective method detection limits.

4.3 PERFORMANCE GROUNDWATER MONITORING RESULTS

This section provides a narrative summary of the results of the performance groundwater monitoring conducted during the Reporting Period. Comprehensive groundwater elevation data and groundwater quality parameters are summarized on Table 5; however, their comparability is limited due to variable influence from elevated subsurface temperatures during ERH operations.

Groundwater analytical results for the most recent performance groundwater monitoring event (November 2018) are illustrated on Figure 6. All groundwater analytical results for the Reporting Period are presented in Table 6 and illustrated in Figures C1 through C9, provided as Appendix D.

Groundwater analytical results are summarized below and have been separated into three categories to facilitate discussion: Treatment Zone Deep Wells (MW-33D, MW-34D, MW-35D), Treatment Zone Shallow and Intermediate Wells (MW-33S, MW-33I, MW-34S, MW-34I, MW-35S, MW-35I, SCC-3), and Non-Treatment Zone Wells (MW-17, MW-21S, MW-21D, MW-22, MW-27S, MW-27I, MW-30S, MW-30I, MW-30D, MW-31S, MW-31I, MW-31D, and SCC-1).

4.3.1 Treatment Zone Deep Wells

- Laboratory analysis of groundwater samples collected from the Treatment Zone Deep Wells during the July 2018 groundwater monitoring event did not detect PCE at concentrations above the Site-specific CULs. Based on these results, on July 23, 2018, TRS ceased power application to the deeper electrodes (50 to 85 feet bgs). During the most recent sampling event (November 2018), laboratory analysis only detected PCE in the groundwater sample from well MW-35D at a concentration of 1.4 µg/L.
- Laboratory analysis did not detect TCE, c-DCE, t-DCE, VC, or other analytes at concentrations above their respective method detection limit in any samples.

4.3.2 Treatment Zone Shallow and Intermediate Wells

- Laboratory analysis of groundwater samples collected from the Treatment Zone Shallow and Intermediate Wells during the August and September 2018 groundwater monitoring events detected unexpected, order-of-magnitude increases in concentrations of PCE in several Treatment Zone Wells, despite continued mass removal from the subsurface. Additionally, anomalously low specific conductivity measurements and reduced and sporadic flow rates were observed in these wells during purging. The anomalous results were interpreted as potentially indicating that steam condensate, instead of groundwater, was being sampled and that the analytical results were skewed high and not representative of groundwater conditions. An additional performance groundwater monitoring event was conducted in November 2018, after ERH system shutdown and once the average site subsurface temperature was below 90°C, to re-assess groundwater conditions when the potential for steam production was lower. The November 2018 sampling results are summarized below:
    - Laboratory analysis detected PCE at concentrations ranging from 1.5 µg/L to 73 µg/L.
    - Laboratory analysis detected TCE at concentrations ranging from 0.71 µg/L to 28 µg/L.
    - Laboratory analysis detected c-DCE at concentrations of 0.32 µg/L to 21 µg/L.
    - Laboratory analysis detected t-DCE at concentrations ranging from 0.39 µg/L to 0.73 µg/L.
    - Laboratory analysis detected VC in well MW-34I at a concentration of 0.2 µg/L.

4.3.3 Non-Treatment Zone Wells

Not all Non-Treatment Zone Wells were sampled during each event. The analytical results for the Non-Treatment Zone Wells are summarized below:

- Laboratory analysis detected PCE in 5 Non-Treatment Zone Wells at concentrations ranging from 2.8 µg/L to 24 µg/L.

- Laboratory analysis detected TCE in 4 Non-Treatment Zone Wells at concentrations ranging from 0.83 µg/L to 5.5 µg/L.
- Laboratory analysis detected cis-DCE in 2 Non-Treatment Zone Wells at concentrations ranging from 0.23 µg/L to 0.35 µg/L.
- T-DCE, VC, and all other analytes were not detected above their respective method detection limit in any samples.

4.4 SOIL SAMPLING RESULTS

Soil analytical data for the Reporting Period are presented in Table 7, illustrated on Figure 4, and are summarized below.

4.4.1 Performance Soil Sampling

- The initial performance soil sampling event was conducted between July 14 through 17, 2018, at the approximate 50% completion point for ERH operations.
- Laboratory analysis of performance soil samples from borings CSB-1 through CSB-6 detected PCE at concentrations ranging from 0.0021 milligrams per kilogram (mg/kg) to 0.15 mg/kg. Concentrations of PCE were detected above the Site-specific CUL in borings CSB-2, CSB-3, and CSB-6.
- Laboratory analysis of performance soil samples from borings CSB-2, CSB-3, and CSB-4 detected TCE at concentrations ranging from 0.0024 mg/kg to 0.020 mg/kg.
- Laboratory analysis did not detect c-DCE, t-DCE, VC, or other analytes at concentrations above their respective method detection limit in any performance soil samples.

4.4.2 Confirmation Soil Sampling

Confirmation soil sampling was conducted at locations and depths where COC concentrations exceeded their applicable CULs in the previous soil sampling results. In August 2018, at the approximate 70% completion point for ERH operations, borings CSB-7, CSB-8, and CSB-9 were advanced adjacent to previous borings CSB-6, CSB-2, and CSB-3, respectively.

- Laboratory analysis of soil samples collected from borings CSB-7, CSB-8, and CSB-9 detected PCE in at concentrations ranging from 0.019 mg/kg to 0.18 mg/kg. Concentrations of PCE were detected above the Site-specific CUL in borings CSB-8 and CSB-9. Borings CSB-10 and CSB-11 were advanced in September 2018 adjacent to CSB-8 and CSB-9. Laboratory analysis of soil samples collected from borings CSB-10 and CSB-11 detected PCE at concentrations ranging from 0.0016 mg/kg to 0.030 mg/kg, below Site-specific CULs.
- Laboratory analysis of soil samples collected from borings CSB-7, CSB-8, CSB-9, and CSB-10 detected TCE at concentrations ranging from 0.0016 mg/kg to 0.014 mg/kg.
- Laboratory analysis of soil samples collected from borings CSB-8 and CSB-10 detected c-DCE at concentrations ranging from 0.0016 mg/kg to 0.0018 mg/kg.
- T-DCE, VC, and all other analytes were not detected above their respective method detection limit in any samples.

5.0 DATA EVALUATION AND PROGRESS SUMMARY

This section presents a summary of data evaluation and recommendations for the continued progress of the corrective action based on the findings of the data evaluation.

5.1 DATA EVALUATION

- Performance and confirmation soil sampling results indicate that concentrations of the COCs in Treatment Zone soil are below the Site-specific CULs.
- Post-ERH operation groundwater sampling indicates that concentrations of PCE in groundwater have been reduced by ERH to below the SA-1 Remediation Level (128.6 µg/L) in all monitoring wells. Concentrations of PCE continue to exceed the Site-specific cleanup level (5 µg/L) in wells MW-27S, MW-27I, MW-31S, MW-31I, MW-33S, MW-33I, MW-34I, MW-35I, SCC-1, and SCC-3. Concentrations of PCE were reduced from baseline results (August 2017) in Treatment Zone Shallow and Intermediate Wells by an average of 94%.
- Post-ERH operation groundwater sampling indicates concentrations of TCE exceed the SA-1 Remediation Level (13.8 µg/L) in wells MW-33S, MW-33I, MW-34I, and MW-35I and exceed only the Site-specific cleanup level (4 µg/L) in wells MW-31I and SCC-3. Concentrations of TCE, c-DCE, and t-DCE have increased from baseline results (August 2017) in all Treatment Zone Shallow and Intermediate Wells where it was detected, indicating biologically mediated reductive dechlorination is occurring.

5.2 PROGRESS SUMMARY

Implementation of ERH for SA-1 has successfully reduced concentrations of COCs in soil to levels below regulatory concern and reduced concentrations of PCE in groundwater to below the SA-1 Remediation Level. Pacific Crest estimates that Treatment Zone temperatures will remain elevated for approximately 300 days after the Reporting Period. Enhanced biodegradation rates, relative to baseline conditions, are anticipated based on these elevated subsurface temperatures. Semi-annual groundwater monitoring will continue in 2019.

6.0 REFERENCES

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7.0 LIMITATIONS

The conclusions and recommendations contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations:

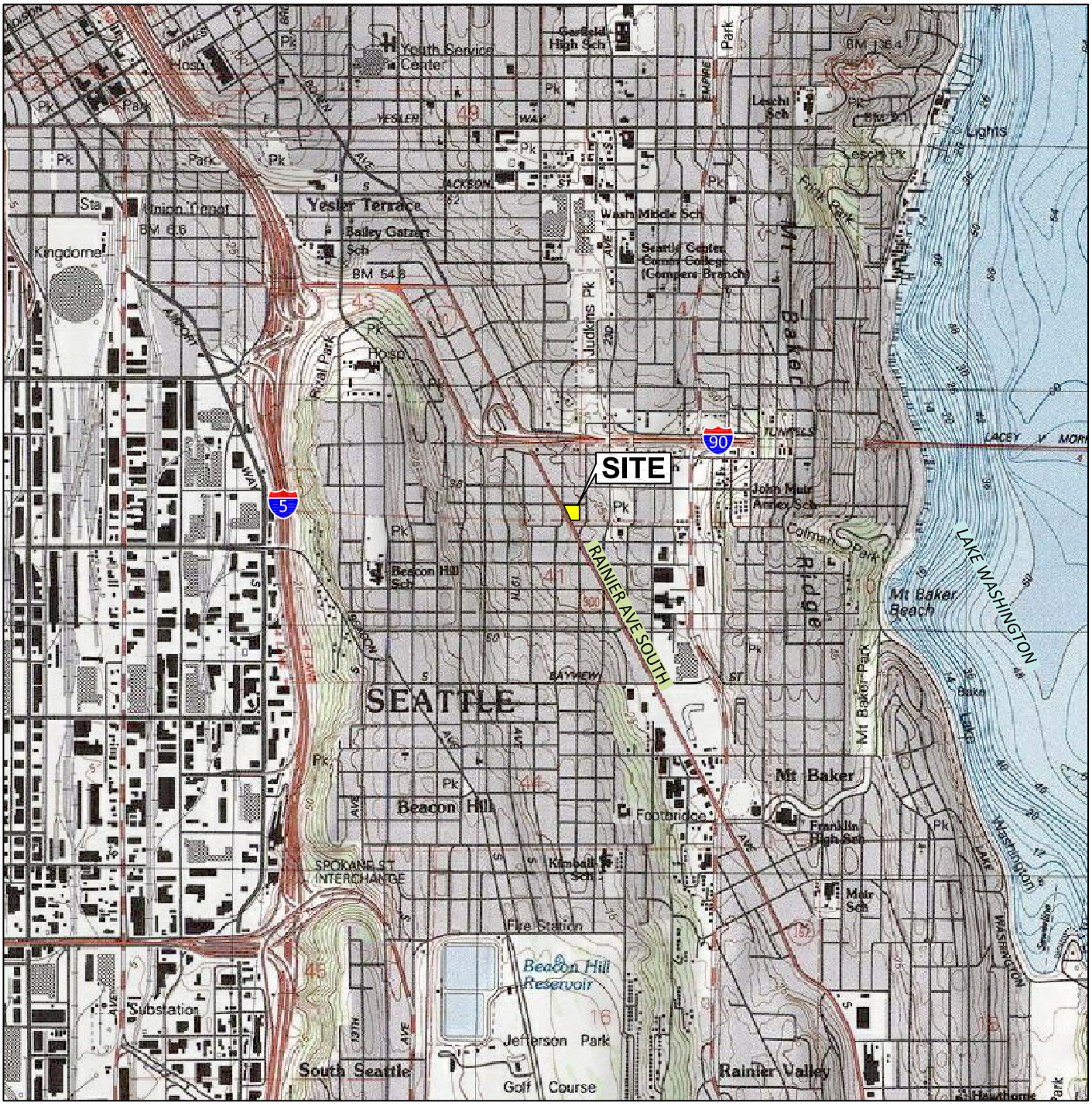
Accuracy of Information. Certain information used by Pacific Crest in this report has been obtained, reviewed, and evaluated from various sources believed to be reliable. Although the conclusions, opinions, and recommendations are based in part on such information, Pacific Crest services did not include the verification of its accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Pacific Crest reserves the right to amend or revise its conclusions, opinions, and/or recommendations.

FIGURES

CLEANUP ACTION PROGRESS REPORT

Former Penthouse Drapery and Belshaw Site
1752 Rainier Avenue South
Seattle, Washington

Pacific Crest No: 105-003



Source: TOPO! 2007

N

0 2000

Approximate Scale in Feet

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

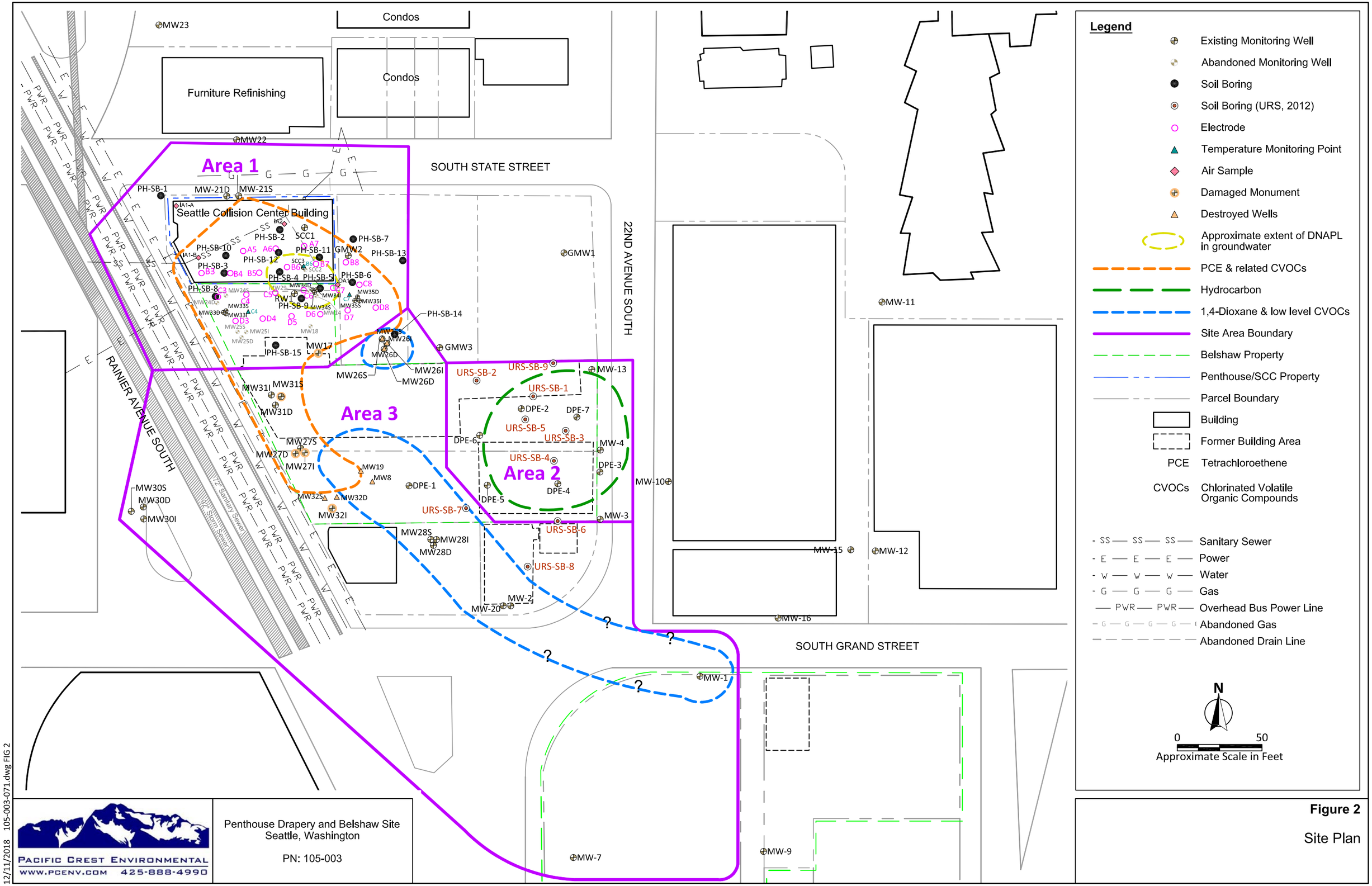
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure 1

Site Location Map

12/11/2018 105-003-012.dwg FIG 1



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WWW.PCENV.COM 425-888-4990

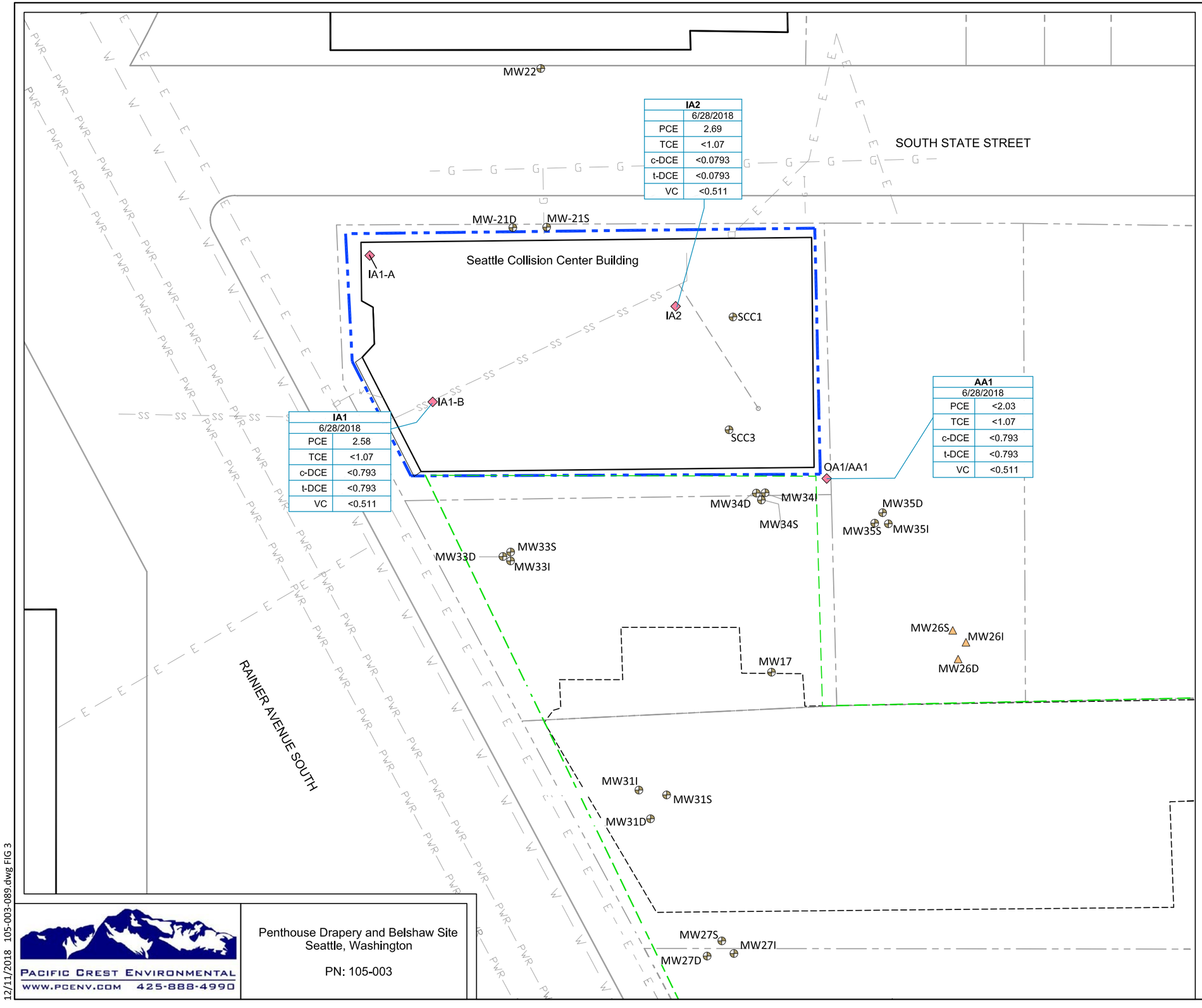
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

12/11/2018 105-003-071.dwg FIG 2

Figure 2

Site Plan



Legend

- Existing Monitoring Well
- Unable to locate
- Air Sample
- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area

Location ID	
DATE	
Analyte	µg/m³

Indoor Air

Cleanup levels (µg/m³)	
PCE	9.6
TCE	0.37
c-DCE	16
t-DCE	27
VC	0.28

PCE tetrachloroethene
TCE trichloroethene
c-DCE cis-1,2-Dichloroethene
t-DCE trans-1,2-Dichloroethene
VC vinyl chloride
µg/m³ micrograms per cubic meter
MTCA Model Toxics Control Act
BOLD exceeds cleanup level

- Sanitary Sewer
- Power
- Water
- Gas
- Overhead Bus Power Line
- Abandoned Gas
- Abandoned Drain Line

N

0 20

Approximate Scale in Feet

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

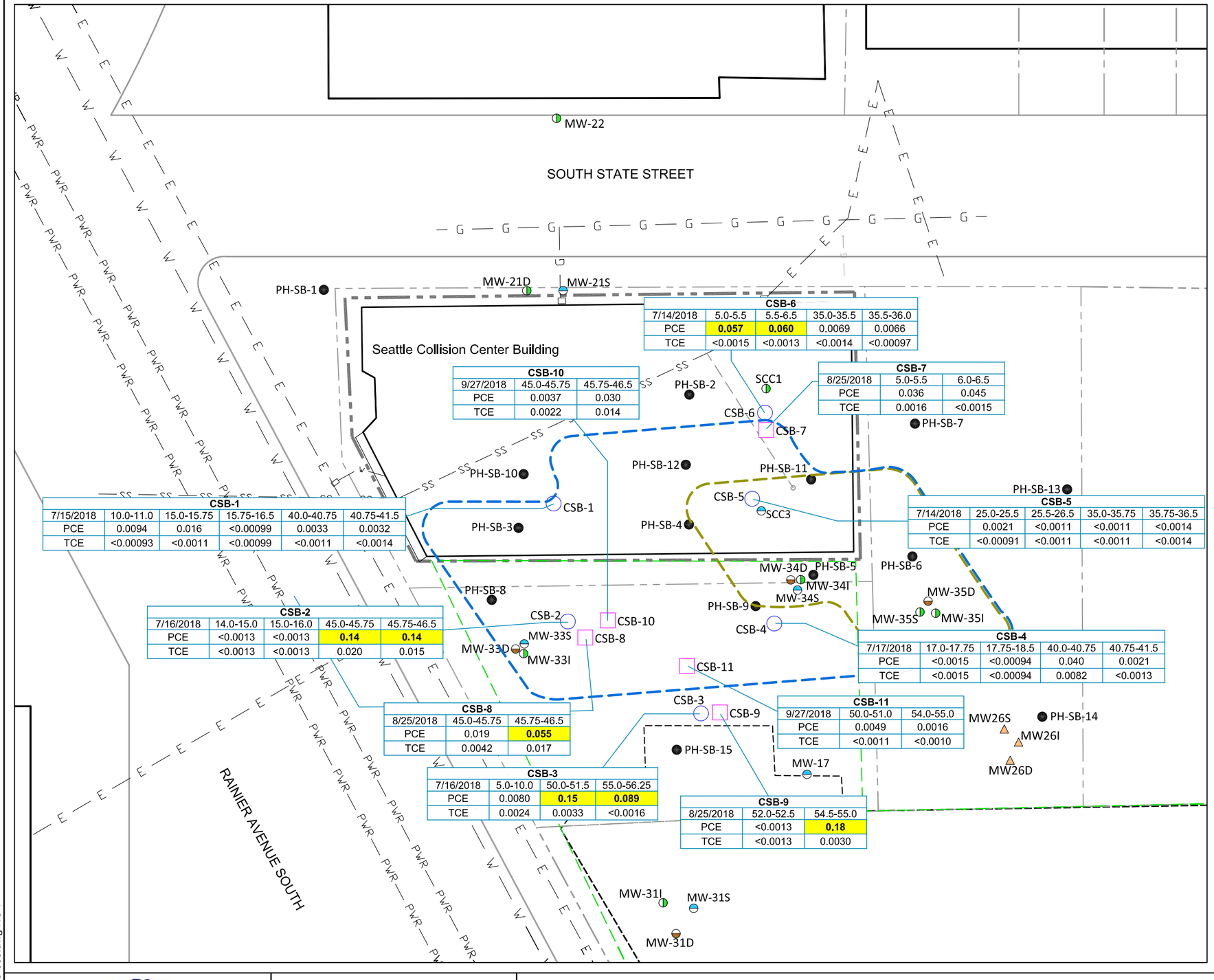
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

12/11/2018 105-003-089.dwg FIG 3

Figure 3

Site Plan with Air Analytical Results



CSB-6

7/14/2018	5.0-5.5	5.5-6.5	35.0-35.5	35.5-36.0
PCE	**0.057**	**0.060**	0.0069	0.0066
TCE	<0.0015	<0.0013	<0.0014	<0.00097

CSB-10

9/27/2018	45.0-45.75	45.75-46.5
PCE	0.0037	0.030
TCE	0.0022	0.014

CSB-7

8/25/2018	5.0-5.5	6.0-6.5
PCE	0.036	0.045
TCE	0.0016	<0.0015

CSB-1

7/15/2018	10.0-11.0	15.0-15.75	15.75-16.5	40.0-40.75	40.75-41.5
PCE	0.0094	0.016	<0.00099	0.0033	0.0032
TCE	<0.00093	<0.0011	<0.00099	<0.0011	<0.0014

CSB-5

7/14/2018	25.0-25.5	25.5-26.5	35.0-35.75	35.75-36.5
PCE	0.0021	<0.0011	<0.0011	<0.0014
TCE	<0.00091	<0.0011	<0.0011	<0.0014

CSB-2

7/16/2018	14.0-15.0	15.0-16.0	45.0-45.75	45.75-46.5
PCE	<0.0013	<0.0013	**0.14**	**0.14**
TCE	<0.0013	<0.0013	0.020	0.015

CSB-4

7/17/2018	17.0-17.75	17.75-18.5	40.0-40.75	40.75-41.5
PCE	<0.0015	<0.00094	0.040	0.0021
TCE	<0.0015	<0.00094	0.0082	<0.0013

CSB-8

8/25/2018	45.0-45.75	45.75-46.5
PCE	0.019	**0.055**
TCE	0.0042	0.017

CSB-11

9/27/2018	50.0-51.0	54.0-55.0
PCE	0.0049	0.0016
TCE	<0.0011	<0.0010

CSB-3

7/16/2018	5.0-10.0	50.0-51.5	55.0-56.25
PCE	0.0080	**0.15**	**0.089**
TCE	0.0024	0.0033	<0.0016

CSB-9

8/25/2018	52.0-52.5	54.5-55.0
PCE	<0.0013	**0.18**
TCE	<0.0013	0.0030

Legend

- Performance Soil Boring
- Confirmation Soil Boring
- MW-21S — Shallow Well
- MW-27I — Intermediate Well
- MW-30D — Deep Well
- Destroyed well
- Soil Boring
- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area
- Limit of Heating Influence
- Limit of Deep Heating Influence

Soil ID	
DATE	Depth
Analyte	mg/kg

Site Specific CULs (mg/kg)	
PCE	0.05
TCE	0.03

PCE tetrachloroethene
TCE trichloroethene
BOLD concentration exceeds CUL
CUL cleanup level
mg/kg milligrams per kilogram

- Sanitary Sewer
- Power
- Water
- Gas
- Overhead Bus Power Line
- Abandoned Gas
- Abandoned Drain Line

0 20
Approximate Scale in Feet

N

12/11/2018 105-003-088.dwg FIG 4

PACIFIC CREST ENVIRONMENTAL
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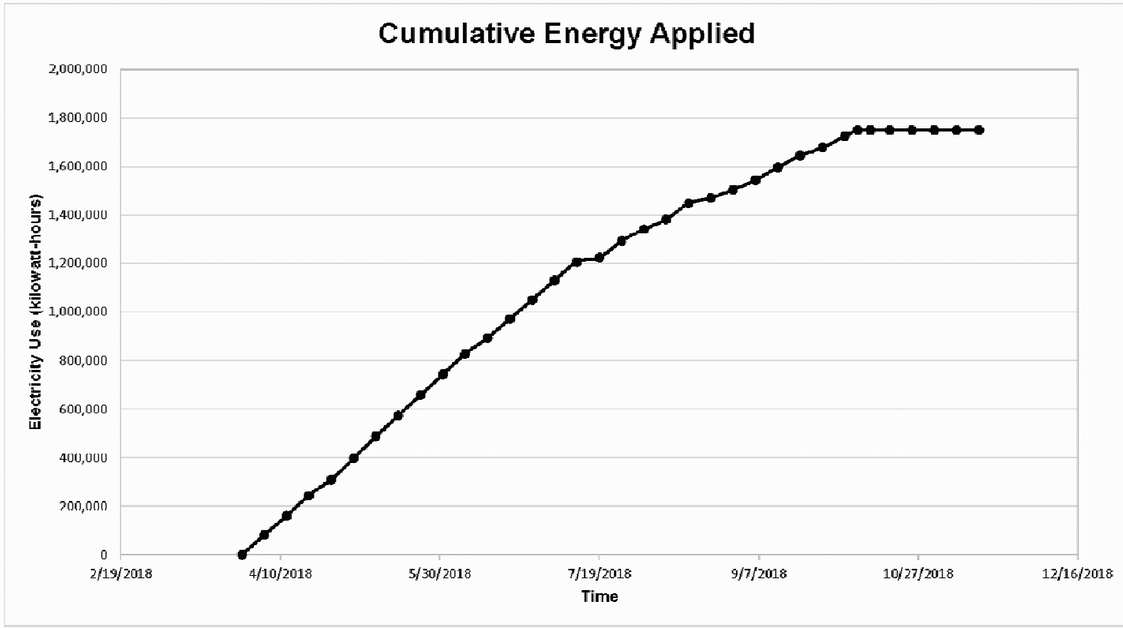
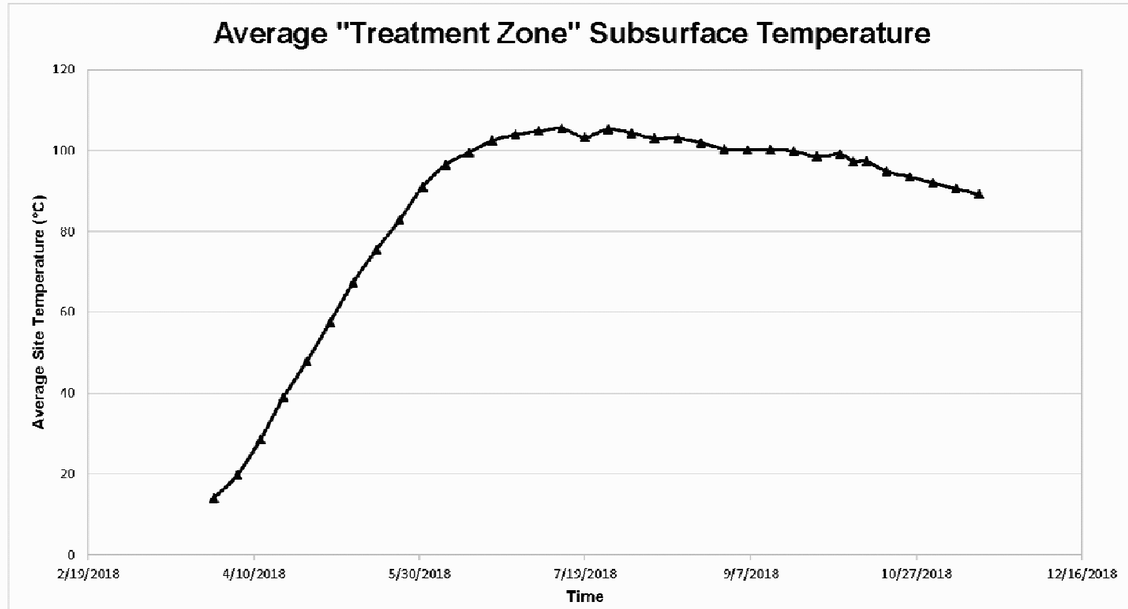
Penthouse Drapery and Belshaw Site
Seattle, Washington

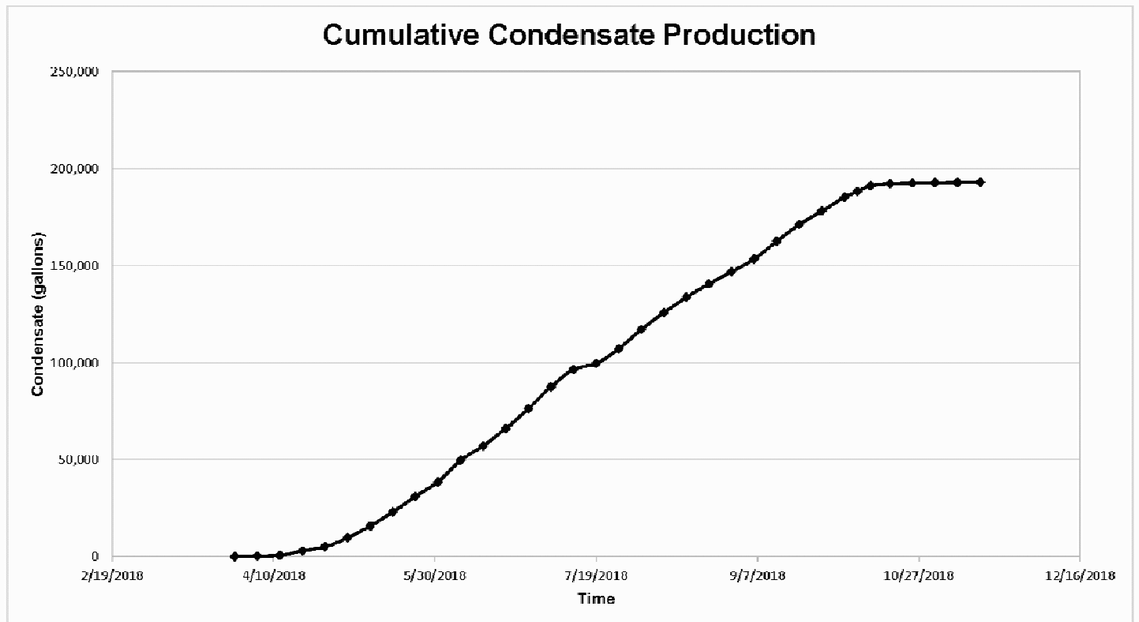
PN: 105-003

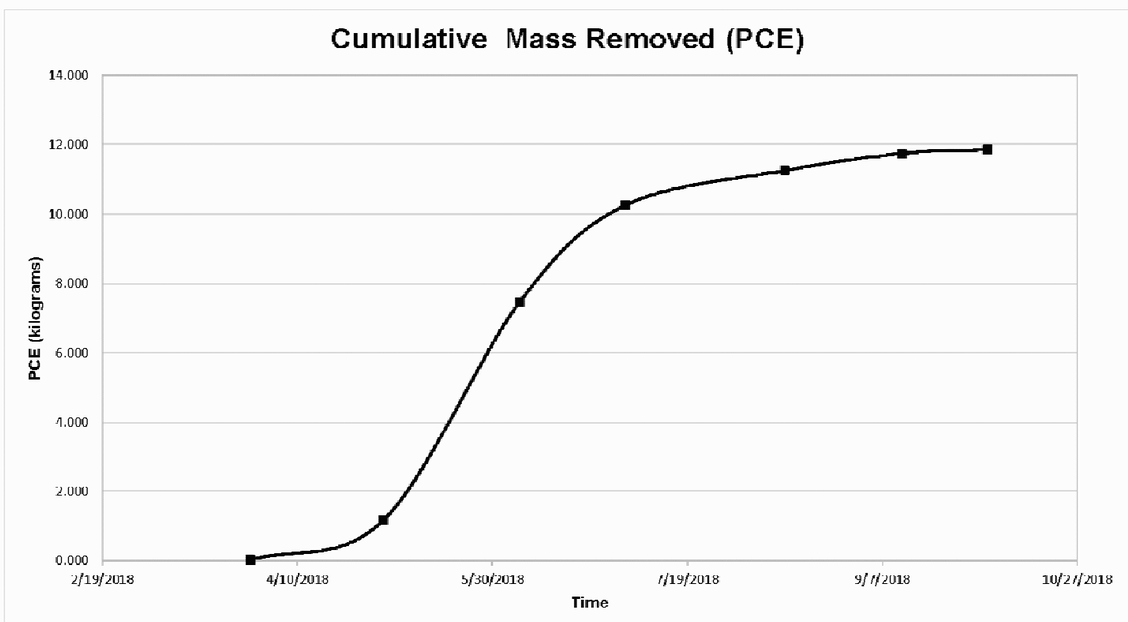
Figure 4

Site Plan with Soil Analytical Results









12/11/2018 105-003-090.dwg FIG 5

PACIFIC CREST ENVIRONMENTAL
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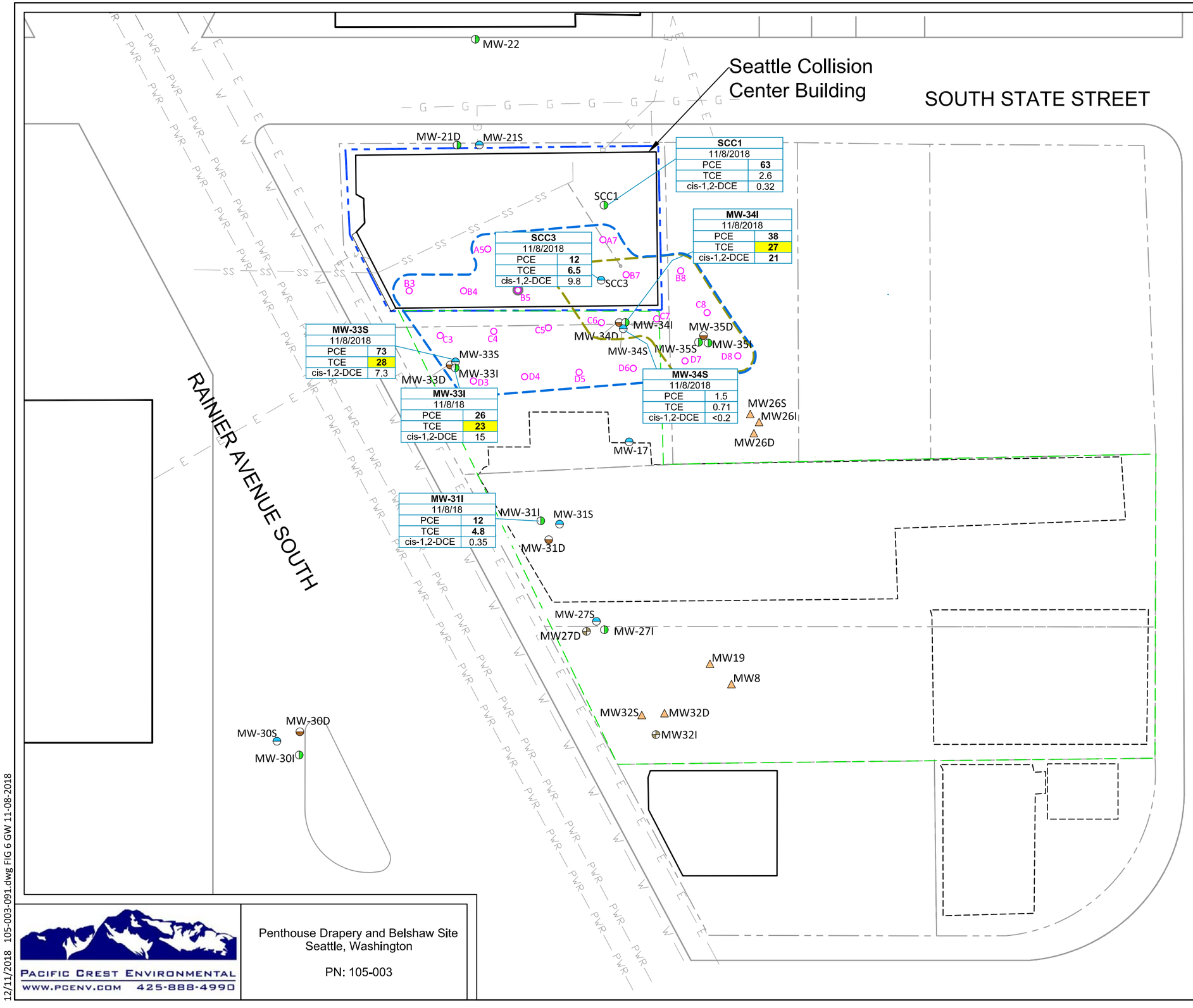
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure 5

ERH Operational Data



Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs
	Damaged monuments	
	Destroyed wells	
C3	Electrode	
	Area of Heating Influence	
	Area of Deep Heating Influence	

WELL ID	
DATE	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE	tetrachloroethene
TCE	trichloroethene
cis-1,2-DCE	cis -1,2-Dichloroethene
µg/L	micrograms per liter
BOLD	concentration exceeds Site-specific CUL
BOLD	concentration exceeds Site-specific remediation level
CUL	cleanup level
ft bgs	feet below ground surface

- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area
- Sanitary Sewer
- Power
- Water
- Gas
- Overhead Bus Power Line
- Abandoned Gas
- Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure 6

Groundwater Analytical Results
(November 8, 2018)

12/11/2018 105-003-091.dwg FIG 6 GW 11-08-2018

TABLES

CLEANUP ACTION PROGRESS REPORT

Former Penthouse Drapery and Belshaw Site
1752 Rainier Avenue South
Seattle, Washington

Pacific Crest No: 105-003

Table 1
ERH Operational Data Summary
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Date	Electricity Use (kWh)	Energy Application (Percent Complete)	Cumulative Condensate Production (gal)	Daily Average Condensate Production (gal)	Average Temp (°C)	Notes
3/29/2018	0	0%	0	0.00	14	ERH Operations Startup
4/5/2018	81,603	5%	181	25.86	19.7	
4/12/2018	159,920	9%	617	62.29	28.5	
4/19/2018	244,684	14%	2,799	311.71	38.9	
4/26/2018	309,061	18%	4,984	312.14	47.7	
5/3/2018	397,360	23%	9,565	654.43	57.4	
5/10/2018	486,944	28%	15,746	883.00	67.2	
5/17/2018	573,050	33%	22,890	1,020.57	75.3	
5/24/2018	657,754	38%	30,961	1,153.00	82.8	
5/31/2018	742,430	42%	38,489	1,075.43	91	
6/7/2018	826,667	47%	49,552	1,580.43	96.5	
6/14/2018	892,292	51%	56,924	1,053.14	99.5	GW Sampling - 6/11/2018 & 6/12/2018
6/21/2018	971,207	55%	66,056	1,304.57	102.4	Soil Sampling - 7/14/2018 through 7/17/2018
6/28/2018	1,049,363	60%	76,437	1,483.00	103.9	
7/5/2018	1,129,461	65%	87,652	1,602.14	104.8	
7/12/2018	1,205,474	69%	96,581	1,275.57	105.4	
7/19/2018	1,223,633	70%	99,648	438.14	103.3	GW Sampling - 7/11/2018 through 7/13/2018
7/26/2018	1,291,699	74%	107,215	1,081.00	105.3	Deep Zone electrodes deactivated - 7/23/18
8/2/2018	1,341,462	77%	117,130	1,416.43	104.3	
8/9/2018	1,383,083	79%	125,812	1,240.29	103	GW Sampling - 8/8/2018
8/16/2018	1,448,333	83%	133,742	1,132.86	103	
8/23/2018	1,471,888	84%	140,603	980.14	101.9	GW Sampling - 8/22/2018 through 8/24/2018
8/30/2018	1,505,493	86%	146,843	891.43	100.4	Soil Sampling - 8/25/2018
9/6/2018	1,545,298	88%	153,382	934.14	100.1	
9/13/2018	1,597,648	91%	162,537	1,307.86	100.2	
9/20/2018	1,644,701	94%	171,152	1,230.71	99.8	GW Sampling - 9/26/2018
9/27/2018	1,678,391	96%	178,044	984.57	98.5	Soil Sampling - 9/27/2018
10/4/2018	1,725,486	99%	185,265	1,031.57	99.1	
10/8/2018	1,750,245	100%	188,205	735.00	97.3	ERH Operations Shutdown
10/12/2018	1,750,245	--	191,145	735.00	97.3	Post-ERH Monitoring
10/18/2018	1,750,245	--	192,184	173.17	94.9	Post-ERH Monitoring
10/25/2018	1,750,245	--	192,445	37.29	93.5	Post-ERH Monitoring
11/1/2018	1,750,245	--	192,653	29.71	92	Post-ERH Monitoring
11/8/2018	1,750,245	--	192,837	26.29	90.6	GW Sampling - 11/8/2018
11/15/2018	1,750,245	--	193,001	23.43	89.2	Post-ERH Monitoring

Notes:

ERH = electric resistive heating

kWH = kiloWatt-hours

gal = gallons

°C = degrees celsius

GW = groundwater

Table 2
ERH Vapor Recovery System Monitoring Results
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Date	Sample Location	Sample ID	CVOCs (micrograms per cubic meter)				
			PCE	TCE	c-DCE	t-DCE	VC
4/4/2018	Influent	SVE1-040418	1.8	<1.0	<1.0	<1.0	<1.0
5/2/2018		SVE1-050218	3.3	<1.0	<1.0	<1.0	<1.0
6/6/2018		SVE1-060618	17	<1.0	<1.0	<1.0	<1.0
7/3/2018		SVE1-070318	9.2	<1.0	<1.0	NA	NA
8/13/2018		SVE1-081318	2.2	<1.0	<1.0	<1.0	<1.0
9/12/2018		SVE1-091218	1.5	<1.0	<1.0	NA	NA
10/4/2018		SVE1-100418	<1.0	<1.0	<1.0	NA	NA
4/4/2018	Effluent	SVE2-040418	<1.0	<1.0	<1.0	<1.0	<1.0
5/2/2018		SVE2-050218	<1.0	<1.0	<1.0	<1.0	<1.0
6/6/2018		SV2-060618	<1.0	<1.0	<1.0	<1.0	<1.0
7/3/2018		SV2-070318	<1.0	<1.0	<1.0	NA	NA
8/13/2018		SV2-081318	<1.0	<1.0	<1.0	<1.0	<1.0
9/12/2018		SV2-091218	<1.0	<1.0	<1.0	NA	NA
10/4/2018		SV2-091218	<1.0	<1.0	<1.0	NA	NA

Notes:
psi = pounds per square inch
ppm = parts per million
PCE = tetrachloroethene
TCE = trichloroethene
c-DCE = cis-1,2-trichloroethene
t-DCE = trans-1,2-trichloroethene
VC = vinyl chloride
SCFM = standard cubic feet per minute
NM = not measured
NS = not sampled
CVOCs = chlorinated volatile organic compounds
*compare pressure readings to advisable pressure limits as written on blower

Table 3
Vapor Recovery System Performance Data and Cumulative PCE Removed
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Date	Average Flow (cfm)	Concentration of PCE at Influent (ug/L)[1]	Operating Period (days)	Volume of Air Removed (ft^3)	Volume of Air Removed (L)	Mass of PCE Removed (Kg)	Cumulative Mass of PCE Removed (Kg)
3/29/2018	245	1.8	1.00	352,800	9,990,089	0.018	0.018
5/2/2018	248	3.3	34.00	12,142,080	343,822,172	1.135	1.153
6/6/2018	260	17	35.00	13,104,000	371,060,456	6.308	7.461
7/3/2018	275	9.2	27.00	10,692,000	302,760,866	2.785	10.246
8/13/2018	275	2.2	41.00	16,236,000	459,747,982	1.011	11.257
9/12/2018	265	1.5	30.00	11,448,000	324,168,200	0.486	11.744
10/4/2018	265	0.5	22.00	8,395,200	237,723,347	0.119	11.863

Notes:
[1] Analyzed by SW-846 Method 8260
SVE = soil vapor extraction
PCE = tetrachloroethene
cfm = cubic feet per minute
ug/L = micrograms per liter
ft^3 = cubic feet
L = liter
kg = kilograms

Table 4
Analytical Results Summary - Air
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Sample	Sample ID	Location	Sample Date	CVOCs (micrograms per cubic meter) [1]																												
				Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromoethane	1,2-Dichloroethane	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Ethylbenzene	Hexachlorobutadiene	Total Xylenes	Mehtylene chloride	Naphthalene	n-Hexane	Methyl tert-butyl ether	Toluene
IA-1	IA1-041517	In SCCB lobby	4/15/2017	5.44	<0.0914	<0.0793	<0.0238	<0.217	<0.0273	**1.71**	<0.109	<0.0324	<0.0357	<0.371	**3.21**	<0.154	<0.0809	**6.86**	0.397	1.43	<0.259	<0.0977	<0.826	28.6	*<0.177*	**112.5**	<0.208	**4.88**	6.60	<0.0324	1030E
	IA1-040618	In SCCB garage, west side, near sewer line	4/6/2018	<2.03	*<1.07*	<0.793	<0.793	*<0.511*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA1-062818	In SCCB garage, west side, near sewer line	6/28/2018	2.58	*<1.07*	<0.793	<0.793	*<0.511*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IA-2	IA2-041517	In SCCB garage, in front of bathrooms	4/15/2017	5.45	<0.0914	<0.0793	<0.0238	<0.217	<0.0273	**4.87**	**0.163**	<0.0324	<0.0357	<0.371	**4.87**	<0.154	**0.118**	**8.75**	0.348	3.45	<0.259	<0.0977	<0.826	45.8	*<0.177*	**223.7**	<0.208	**7.63**	9.93	<0.0324	1870E
	IA2-061617	In SCCB garage, in front of bathrooms	6/16/2017	**13.2**	**18.2**	0.497	<0.0238	<0.217	<0.0273	<0.0426	<0.109	<0.0324	<0.0357	<0.371	2.52	<0.154	<0.0809	**1.93**	0.388	<0.322	<0.259	<0.0977	<0.826	0.726	*<0.177*	**157.6**	<0.208	**4.87**	<0.247	<0.0324	897
	IA2-040618	In SCCB garage, in front of bathrooms	4/6/2018	<2.03	*<1.07*	<0.793	<0.793	*<0.511*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	IA2-062818	In SCCB garage, in front of bathrooms	6/28/2018	2.69	*<1.07*	<0.793	<0.793	*<0.511*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ambient	OA1-041517	Outside of SCCB, at south/east corner	4/15/2017	<0.339	<0.0914	<0.0793	<0.0238	<0.217	<0.0273	<0.0426	<0.109	<0.0324	<0.0357	<0.371	0.696	<0.154	<0.0809	**0.477**	0.388	<0.322	<0.259	<0.0977	<0.826	0.726	*<0.177*	0.845	<0.208	<1.57	<0.247	<0.0324	1.91
	AA1-040618	Outside of SCCB, at south/east corner	4/6/2018	<2.03	*<1.07*	<0.793	<0.793	*<0.511*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	AA1-062818	Outside of SCCB, at south/east corner	6/28/2018	<2.03	*<1.07*	<0.793	<0.793	*<0.511*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Method B Cleanup Level - Indoor Air			**Carcinogenic**	**9.6**	**0.37**	**16**	**NA**	**0.28**	**NA**	**0.0431**	**0.156**	**1.56**	**NA**	**NA**	**NA**	**0.00417**	**0.0962**	**0.321**	**0.417**	**NA**	**NA**	**0.109**	**NA**	**NA**	**0.114**	**NA**	**250**	**0.0735**	**NA**	**9.62**	**NA**
			Non-carcinogenic	**18.3**	**0.9**	**NA**	**27.4**	**55.2**	**2,290**	**NA**	**0.0914**	**NA**	**91.4**	**0.914**	**3.2**	**4.11**	**3.2**	**1.37**	**45.7**	**22.9**	**4,570**	**44.8**	**41.1**	**457**	**NA**	**45.7**	**274**	**1.37**	**320**	**1,370**	**2,290**
Method C Cleanup Level - Indoor Air			**Carcinogenic**	**337**	**21.9**	**160**	**NA**	**9.9**	**NA**	**0.431**	**1.56**	**1.56**	**NA**	**NA**	**NA**	**0.0417**	**0.962**	**3.21**	**4.17**	**NA**	**NA**	**1.09**	**NA**	**NA**	**1.14**	**NA**	**2,500**	**0.735**	**NA**	**96.2**	**NA**
			Non-carcinogenic	**280**	**7**	**NA**	**NA**	**423**	**5,000**	**NA**	**0.2**	**NA**	**200**	**2**	**7**	**9**	**7**	**30**	**100**	**50**	**10,000**	**98**	**90**	**1,000**	**NA**	**100**	**600**	**3**	**700**	**3,000**	**5,000**

NOTES:
BOLD: indicates detected concentration exceeds Method B Cleanup Level
< detected result is less than laboratory practical quantitation limit listed or analyte not detected at or above the reporting limit.
CVOCs = chlorinated volatile organic compounds
SCCB = Seattle Collision Center Building
MTCA = Model Toxics Control Act Cleanup Regulation (WAC 173-340)
Pacific Crest = Pacific Crest Environmental, LLC
[1]Analyzed by US EPA Method TO-15SIM
E = Estimated value. The amount exceeds the linear working range of the instrument.

Table 5
Groundwater Elevation and Groundwater Quality Parameters Summary
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Location ID	Sample Date	Top of Casing Elevation[1]	Screen Interval[2]	Depth to Groundwater[2]	Potentiometric Surface (feet)	Groundwater Quality Parameters				
						Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-17	8/1/2017	69.71	20-30	14.64	55.07	15.43	0.367	3.04	6.64	37.3
	6/11/2018			13.75	55.96	15.86	0.306	6.04	7.08	83.1
	7/11/2018			15.27	54.44	19.3	0.432	0.36	6.53	113.4
	8/23/2018			18.70	51.01	23.33	0.416	0.36	6.48	178.9
MW-21S	7/31/2017	71.26	14.5-29.5	15.01	56.25	16.80	0.258	3.97	6.28	37.9
	6/11/2018			14.43	56.83	15.10	0.298	5.52	6.11	78.8
	8/22/2018			17.27	53.99	17.88	0.324	4.65	6.01	147.5
MW-21D	7/31/2017	71.12	35-40	15.24	55.88	16.87	0.363	1.96	6.62	2.8
	6/11/2018			14.97	56.15	16.03	0.381	2.12	6.45	41.4
	8/22/2018			20.81	50.31	18.4	0.370	3.17	6.48	191.1
MW-22	7/31/2017	71.33	25-35	12.30	59.03	17.79	0.413	0.23	7.05	-21.5
	6/11/2018			11.58	59.75	16.22	0.443	0.5	6.73	53.6
	8/22/2018			17.07	54.26	18.43	0.433	0.2	6.71	133.6
MW-27S	8/2/2017	69.40	15.5-20.5	13.00	56.40	14.16	0.325	1.29	6.33	-9.9
	6/11/2018			11.79	57.61	13.37	0.315	4.11	6.01	110.7
	8/23/2018			14.50	54.90	14.16	0.267	3.95	6.12	200
MW-27I	8/2/2017	69.46	31-36	13.39	56.07	14.3	0.272	4.16	6.24	22.0
	6/11/2018			12.10	57.36	13.64	0.296	4.81	5.94	123.0
	8/23/2018			17.52	51.94	13.93	0.277	2.78	6.11	203.0
MW-30S	7/31/2017	69.73	19-24	14.91	54.82	16.84	0.697	0.39	6.49	-38.2
	6/11/2018			14.80	54.93	14.72	0.739	1.83	6.41	23
	7/11/2018			14.90	54.83	16.3	0.735	0.22	6.4	117.9
	8/22/2018			15.87	53.86	17.64	0.716	0.27	6.38	181.9
MW-30I	7/31/2017	69.68	40-45	14.93	54.75	16.64	0.597	0.77	6.62	-18.4
	6/11/2018			14.77	54.91	16.38	0.629	1.57	6.63	38.1
	7/11/2018			14.92	54.76	16.7	0.625	0.7	6.68	92.3
	8/22/2018			16.59	53.09	17.02	0.613	3.41	6.26	206.9
MW-30D	7/31/2017	69.54	65-70	16.08	53.46	18.24	0.620	0.31	7.26	-58.8
	6/11/2018			16.08	53.46	15.98	0.647	0.47	7.04	-103.5
	7/11/2018			16.41	53.13	16.9	0.640	0.29	7.09	-24.7
	8/22/2018			16.81	52.73	17.38	0.629	0.19	6.99	-16.4

Table 5
Groundwater Elevation and Groundwater Quality Parameters Summary
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Location ID	Sample Date	Top of Casing Elevation[1]	Screen Interval[2]	Depth to Groundwater[2]	Potentiometric Surface (feet)	Groundwater Quality Parameters				
						Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-31S	8/2/2017	70.01	15-20	14.14	55.87	13.62	0.416	3.99	5.42	19.8
	6/11/2018			13.05	56.96	12.91	0.534	5.36	5.85	104.5
	7/11/2018			14.88	55.13	14.1	0.513	4.57	5.84	169.7
	8/22/2018			16.65	53.36	15.41	0.475	2.41	5.87	121.4
MW-31I	8/2/2017	69.98	35-40	14.44	55.54	14.42	0.311	0.50	6.79	-50.7
	6/11/2018			13.51	56.47	13.61	0.380	4.79	6.46	95.7
	7/11/2018			14.58	55.40	14	0.403	2.67	6.29	200.6
	8/23/2018			18.79	51.19	14.25	0.392	1.43	6.49	194
	11/8/2018			15.91	54.07	13.15	0.392	1.39	8.49	5.0
MW-31D	8/2/2017	69.97	66-71	16.53	53.44	14.80	0.421	1.08	8.33	-33.1
	6/11/2018			16.57	53.40	14.22	0.445	4.56	7.83	83.7
	7/11/2018			16.82	53.15	14.90	0.44	2.83	8.23	56.5
	8/23/2018			20.53	49.44	14.96	0.432	2.34	8.21	175.4
MW-33S	8/1/2017	69.90	15-20	15.29	54.61	17.34	0.678	1.80	11.64	-54.7
	6/12/2018			NM	NM	22.99	0.487	0.38	6.68	-4.7
	7/13/2018			NM	NM	18.5	0.411	0.48	5.76	24.5
	8/8/2018			NM	NM	24.55	0.359	2.25	5.87	82.7
	8/24/2018			NM	NM	14.83	0.280	2.54	6.06	104.3
	9/26/2018			NM	NM	19.52	0.335	6.73	6.91	68.4
	11/8/2018			NM	NM	5.87	0.575	10.28	10.64	-90.3
MW-33I	8/1/2017	69.99	40-45	15.19	54.80	17.5	0.498	0.08	8.12	-213.0
	6/12/2018			NM	NM	18.97	0.381	0.25	6.36	-114.2
	7/13/2018			NM	NM	17	0.139	0.59	4.23	-10.9
	8/8/2018			NM	NM	31.53	0.372	0.13	6.31	-65.2
	8/24/2018			NM	NM	19.34	0.360	0.04	6.32	-5.0
	9/26/2018			NM	NM	18.52	0.374	1.18	6.29	32.9
	11/8/2018			NM	NM	5.04	0.545	0.61	11.97	-148.9
MW-33D	8/1/2017	69.80	95-100	16.42	53.38	16.71	0.599	0.24	7.54	-116.5
	6/12/2018			NM	NM	24.17	0.647	0.15	7.15	-186.5
	7/13/2018			NM	NM	19.2	0.568	1.65	6.99	-104.8
	8/24/2018			NM	NM	15.95	0.503	2.00	6.55	-17.0

Table 5
Groundwater Elevation and Groundwater Quality Parameters Summary
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Location ID	Sample Date	Top of Casing Elevation[1]	Screen Interval[2]	Depth to Groundwater[2]	Potentiometric Surface (feet)	Groundwater Quality Parameters				
						Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-34S	8/1/2017	71.33	15-20	15.69	55.64	17.63	0.289	0.31	9.47	40.4
	6/12/2018			NM	NM	25.79	0.449	0.15	6.2	12
	7/12/2018			NM	NM	25.3	0.305	0.48	8.11	65.4
	8/8/2018			NM	NM	23.66	0.019	5.14	4.12	126.6
	8/24/2018			NM	NM	28.08	0.029	1.01	4.12	127.0
	9/26/2018			NM	NM	24.03	0.025	3.69	4.18	114.9
	11/8/2018			NM	NM	9.91	8.09	1.29	10.71	-91.0
MW-34I	8/1/2017	70.77	34-39	16.16	54.61	17.88	0.336	0.30	7.68	-105.9
	6/12/2018			NM	NM	17.8	0.423	0.14	5.37	-22.2
	7/12/2018			NM	NM	19.3	0.177	4.87	4.26	94.7
	8/8/2018			NM	NM	21.47	0.082	6.03	4.07	113.4
	8/23/2018			NM	NM	22.87	0.069	3.44	8.5	21.2
	9/26/2018			NM	NM	19.81	0.026	6.40	4.07	87.1
	11/8/2018			NM	NM	7.08	0.545	4.91	10.85	-90.1
MW-34D	8/1/2017	71.18	95-100	17.91	53.27	17.38	0.546	0.11	7.81	-166.0
	6/12/2018			NM	NM	21.93	0.625	0.18	7.09	-132.4
	7/12/2018			NM	NM	22.4	0.638	0.22	7.1	-105.1
	8/8/2018			NM	NM	21.5	0.597	0.15	6.73	-88.6
	8/23/2018			NM	NM	28.18	0.604	0.08	6.93	-86.2
	9/26/2018			NM	NM	22.13	0.567	0.17	6.04	-14.3
MW-35S	8/1/2017	73.31	30-35	19.05	54.26	15.80	0.418	0.15	7.47	-132.5
	6/12/2018			NM	NM	10.17	0.035	0.38	3.45	73
	7/12/2018			NM	NM	16.30	0.029	0.7	3.71	99.3
	8/8/2018			NM	NM	21.17	0.084	3.79	7.85	37.0
	8/23/2018			NM	NM	21.82	0.036	2.13	7.87	41.0
	9/26/2018			NM	NM	20.98	0.063	0.32	8.33	107.2
MW-35I	8/1/2017	73.50	45-50	19.38	54.12	15.14	0.282	0.62	7.46	-106.9
	6/12/2018			NM	NM	8.61	0.048	0.23	0.83	146.5
	7/12/2018			NM	NM	33.5	0.046	3.00	4.28	34.2
	8/8/2018			NM	NM	20.38	0.030	3.38	1.86	206.6
	8/23/2018			NM	NM	25.83	0.346	1.41	5.25	47.3
	9/26/2018			NM	NM	17.09	0.302	5.30	4.99	93.6

Table 5
Groundwater Elevation and Groundwater Quality Parameters Summary
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Location ID	Sample Date	Top of Casing Elevation[1]	Screen Interval[2]	Depth to Groundwater[2]	Potentiometric Surface (feet)	Groundwater Quality Parameters				
						Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-35D	8/1/2017	73.52	85-95	20.31	53.21	15.62	0.410	0.23	7.36	-100.3
	6/12/2018			NM	NM	20.27	0.349	0.13	6.34	-139.3
	7/12/2018			NM	NM	14.1	0.347	0.21	6.72	-18.9
	8/8/2018			NM	NM	16.55	0..385	6.60	6.88	-48.8
	8/23/2018			NM	NM	13.8	0..388	0.04	6.19	-45
	9/26/2018			NM	NM	15.99	0.421	0.29	6.89	-74.1
SCC-1	7/30/2017	70.50	27.5-37.5	15.20	55.30	16.19	0.317	4.95	6.4	-38.2
	6/11/2018			16.30	54.20	28.18	0.340	2.76	6.62	41.3
	7/12/2018			17.63	52.87	35.80	0.365	2.38	6.38	60.0
	8/8/2018			17.43	53.07	39.66	0.387	1.38	6.43	90.2
	8/22/2018			18.17	52.33	43.29	0.382	0.77	6.37	137.1
	9/26/2018			19.50	51.00	46.73	0.412	0.94	6.35	105.8
	11/8/2018			16.94	53.56	44.6	0.461	0.50	6.82	-2.6
SCC-2										
SSC-3	7/30/2017	70.24	24.5-29.5	15.81	54.43	16.43	0.272	1.43	6.85	-42.8
	6/12/2018			NM	NM	25.64	0.078	0.06	7.12	-93.4
	7/12/2018			NM	NM	20.7	0.033	1.64	8.12	-61.8
	8/8/2018			NM	NM	23.44	0.024	4.50	3.97	135.1
	8/22/2018			NM	NM	15.1	0.026	1.83	1.25	388
	9/26/2018			NM	NM	15.31	0.026	8.52	3.75	234.3
	11/8/2018			NM	NM	7.99	0.783	4.08	9.36	-32.1

NOTES:
[1]Elevation of top of casing (NAVD88)
[2]Depth below top of well casing
C = celsius
mS/cm = millisiemens per centimeter
mg/L = milligrams per liter
mV = millivolts
NA = not applicable
NM = not measured
NS = not sampled
-- = not reported
Pacific Crest = Pacific Crest Environmental, LLC
G-Logics = G-Logics, Inc.
URS = URS Corporation

Table 6
Analytical Results Summary - Groundwater
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Location ID	Screen Interval[2]	Area	Sample Date	Groundwater Analytical Results (micrograms per liter) CVOCs and 1,4-Dioxane[1] Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	1,4-Dioxane
MW-17	20-30	A1	8/1/2017	<0.20	<0.20	<0.20	<0.20	<0.20	0.25	<0.20	<0.20	<0.20	NA
			7/11/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	<0.20	<0.20	<0.20	<0.20	<0.20	0.21	<0.20	<0.20	<0.20	NA
MW-21S	14.5-29.5	A1	7/31/2017	3.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/22/2018	2.8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-21D	35-40	A1	7/31/2017	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.24	NA
			8/22/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.22	NA
MW-22	25-35	A1	7/31/2017	<0.20	<0.20	<0.20	<0.20	<0.20	0.21	<0.20	<0.20	0.29	NA
			8/22/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.24	NA
MW-27S	15.5-20.5	A3	8/2/2017	**10**	0.72	<0.20	<020	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	**13**	0.87	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-27I	31-36	A3	8/2/2017	**24**	2.4	0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	**24**	2.4	0.34	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-30S	19-24	A3	7/31/2017	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			7/11/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/22/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-30I	40-45	A3	7/31/2017	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			7/11/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/22/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-30D	65-70	A3	7/31/2017	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			7/11/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/22/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-31S	15-20	A3	8/2/2017	**19**	2.1	<0.20	<0.20	<0.20	0.25	<0.20	<0.20	<0.20	NA
			7/11/2018	**17**	2.5	<0.20	<0.20	<0.20	0.25	<0.20	<0.20	<0.20	NA
			8/22/2018	**18**	3.4	<0.20	<0.20	<0.20	0.28	<0.20	<0.20	<0.20	NA
MW-31I	35-40	A3	8/2/2017	**7.9**	3.8	0.32	<0.20	<0.20	1.0	<0.20	<0.20	<0.20	NA
			7/11/2018	**11**	**4.8**	0.29	<0.20	<0.20	0.74	<0.20	<0.20	<0.20	NA
			8/23/2018	**14**	**5.5**	0.23	<0.20	<0.20	0.71	<0.20	<0.20	<0.20	NA
			11/8/2018	**12**	**4.8**	0.35	<0.20	<0.20	0.78	<0.20	<0.20	<0.20	NA
MW-31D	65-70	A3	8/2/2017	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			7/11/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-33S	15-20	A1	8/1/2017	**490**	<2.0	<2.0	<2.0	*<2.0*	<2.0	<2.0	<2.0	<2.0	NA
			7/13/2018	**480**	**45**	4.4	<4.0	*<4.0*	<4.0	<4.0	<4.0	<4.0	NA
			8/8/2018	**210**	**45**	3.6	<1.0	*<1.0*	<1.0	<1.0	<1.0	<1.0	NA
			8/24/2018	**100**	**30**	2.6	<1.0	*<1.0*	<1.0	<1.0	<1.0	<1.0	NA
			9/26/2018	**310**	**140**	**24**	3.6	*<0.40*	<0.40	<0.40	0.78	<0.40	NA
			11/8/2018	**73**	**28**	7.3	0.51	*<0.40*	<0.40	<0.40	0.78	<0.40	NA
MW-33I	40-45	A1	8/1/2017	**360**	**6.4**	<2.0	<2.0	*<2.0*	<2.0	<2.0	<2.0	<2.0	NA
			7/13/2018	**1,200**	**280**	**40**	<10	*<10*	<10	*<10*	<10	<10	NA
			8/8/2018	**8.5**	2.6	1.2	<1.0	*<1.0*	<1.0	*<1.0*	<1.0	<1.0	NA
			8/24/2018	**5.7**	2.2	0.82	<0.20	<0.20	<0.20	*<0.20*	<0.20	<0.20	NA
			9/26/2018	1.3	0.67	0.21	<0.20	<0.20	<0.20	*<0.20*	<0.20	<0.20	NA
			11/8/2018	**26**	**23**	15	0.52	<0.20	<0.20	*<0.20*	0.29	<0.20	NA
MW-33D	95-100	A1	8/1/2017	0.92	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			7/13/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/24/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-34S	15-20	A1	8/1/2017	**13**	<0.40	<0.40	<0.40	*<0.40*	<0.40	<0.40	<0.40	<0.40	NA
			7/12/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/8/2018	**260**	**58**	<10	<10	*<10*	<10	<10	<10	<10	NA
			8/24/2018	**270**	**81**	6.4	<2.0	*<2.0*	<2.0	<2.0	<2.0	<2.0	NA
			9/26/2018	**120**	**61**	7.2	1.2	*<1.0*	<1.0	<1.0	<1.0	<1.0	NA
			11/8/2018	1.5	0.71	<0.2	<0.2	*<0.2*	<0.2	<0.2	<0.2	<0.2	NA

Table 6
Analytical Results Summary - Groundwater
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No. 105-003

Location ID	Screen Interval[2]	Area	Sample Date	Groundwater Analytical Results (micrograms per liter) CVOCs and 1,4-Dioxane[1] Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,1-Dichloroethane	1,4-Dioxane
MW-34I	34-39	A1	8/1/2017	**1,800**	*<10*	<10	<10	*<10*	<10	*<10*	<10	<10	NA
			7/12/2018	**6,900**	**1,600**	**100**	<30	*<30*	<30	*<30*	<30	<30	NA
			8/8/2018	**2,200**	**710**	**67**	<10	*<10*	<10	*<10*	<10	<10	NA
			8/23/2018	1.1	0.63	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			9/26/2018	**1,000**	**760**	**140**	18	*<10*	<10	*<10*	<10	<10	NA
			11/8/2018	**38**	**27**	**21**	0.73	0.2	<0.2	*<0.2*	0.68	<0.2	NA
MW-34D	95-100	A1	8/1/2017	3.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			7/12/2018	3.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/8/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			9/26/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-35S	30-35	A1	8/1/2017	**300**	<2.0	<2.0	<2.0	*<2.0*	<2.0	<2.0	<2.0	<2.0	NA
			7/12/2018	**230**	**100**	9.1	2.2	*<2.0*	<2.0	<2.0	<2.0	<2.0	NA
			8/8/2018	0.47	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			9/26/2018	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
MW-35I	45-50	A1	8/1/2017	**1,700**	*<10*	<10	<10	*<10*	<10	*<10*	<10	<10	NA
			7/12/2018	**100**	**51**	7.0	1.2	*<1.0*	<1.0	<1.0	<1.0	<1.0	NA
			8/8/2018	**34**	**18**	6.3	<2.0	*<2.0*	<2.0	<2.0	<2.0	<2.0	NA
			8/23/2018	**15**	**10**	2.6	0.46	<0.20	<0.20	<0.20	0.24	<0.20	NA
			9/26/2018	**35**	**17**	**22**	1.4	<0.20	<0.20	<0.20	0.64	<0.20	NA
MW-35D	85-95	A1	8/1/2017	**93**	<0.40	<0.40	<0.40	*<0.40*	<0.40	<0.40	<0.40	<0.40	NA
			7/12/2018	3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/8/2018	1.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/23/2018	1.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			9/26/2018	1.4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
SCC-1	27.5-37.5	A1	7/30/2017	**31**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			7/12/2018	**81**	1.3	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NA
			8/8/2018	**49**	1.6	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NA
			8/22/2018	**92**	2.9	<1.0	<1.0	*<1.0*	<1.0	<1.0	<1.0	<1.0	NA
			9/26/2018	**110**	3.6	<1.0	<1.0	*<1.0*	<1.0	<1.0	<1.0	<1.0	NA
			11/8/2018	**63**	2.6	0.32	<0.2	*<0.2*	<0.2	<0.2	<0.2	<0.2	NA
SCC-3	23-28	A1	7/30/2017	**1,200**	*<10*	<10	<10	*<10*	<10	*<10*	<10	<10	NA
			7/12/2018	**5.2**	0.61	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA
			8/8/2018	**1,100**	**400**	**28**	<10	*<10*	<10	<10	<10	<10	NA
			8/22/2018	**830**	**390**	**39**	8.1	*<4.0*	<4.0	<4.0	<4.0	<4.0	NA
			9/26/2018	**450**	**340**	**46**	7.7	*<4.0*	<4.0	<4.0	<4.0	<4.0	NA
			11/8/2018	**12**	**6.5**	**9.8**	0.39	*<0.2*	<0.2	<0.2	0.36	<4.0	NA
Remediation Level				**128.6**	**13.8**	**1538**	**--**	**3.70**	--	--	--	--	**--**
Site-specific Cleanup Level				**5**	**4**	**16**	**--**	**--**	**200**	--	--	--	**0.438**

NOTES:
[1]Analyzed by SW-846 Method 8260B.
[2]Feet below ground surface
NA = not analyzed
< = concentration not detected at or above the laboratory detection limit
Bold = concentration exceeds the Site-specific cleanup level
Bold = concentration exceeds the Remediation Level
Italics = laboratory detection limit exceeds the Site-specific cleanup level
-- = Not applicable/not available
"**" = Not applicable or not calculated by URS

Table 7
Analytical Results Summary - Soil
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No: 105-003

				Soil Analytical Results (milligrams per kilogram)[1]					
				Chlorinated Volatile Organic Compounds					
Location ID	Sample ID	Sample Date	Sample Depth[2]	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
CSB-1	CSB1-071518-10.0-11.0	7/15/2018	10.0-11.0	0.0094	<0.00093	<0.00093	<0.00093	<0.00093	<0.00093
	CSB1-071518-15.0-15.75	7/15/2018	15.0-15.75	0.016	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	CSB1-071518-15.75-16.5	7/15/2018	15.75-16.5	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099
	CSB1-071518-40.0-40.75	7/15/2018	40.0-40.75	0.0033	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	CSB1-071518-40.75-41.5	7/15/2018	40.75-41.5	0.0032	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
CSB-2	CSB2-071618-14.0-15.0	7/16/2018	14.0-15.0	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
	CSB2-071618-15.0-16.0	7/16/2018	15.0-16.0	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
	CSB2-071618-45.0-45.75	7/16/2018	45.0-45.75	**0.14**	0.020	<0.0011	<0.0011	<0.0011	<0.0011
	CSB2-071618-45.75-46.5	7/16/2018	45.75-46.5	**0.14**	0.015	<0.0011	<0.0011	<0.0011	<0.0011
CSB-3	CSB3-071618-5.0-10.0	7/16/2018	5.0-10.0	0.0080	0.0024	<0.0013	<0.0013	<0.0013	<0.0013
	CSB3-071618-50.0-51.5	7/16/2018	50.0-51.5	**0.15**	0.0033	<0.0014	<0.0014	<0.0014	<0.0014
	CSB3-071618-55.0-56.25	7/16/2018	55.0-56.25	**0.089**	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016
CSB-4	CSB4-071718-17.0-17.75	7/17/2018	17.0-17.75	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	CSB4-071718-17.75-18.5	7/17/2018	17.75-18.5	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094	<0.00094
	CSB4-071718-40.0-40.75	7/17/2018	40.0-40.75	0.040	0.0082	<0.0011	<0.0011	<0.0011	<0.0011
	CSB4-071718-40.75-41.5	7/17/2018	40.75-41.5	0.0021	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
CSB-5	CSB5-071418-25.0-25.5	7/14/2018	25.0-25.5	0.0021	<0.00091	<0.00091	<0.00091	<0.00091	<0.00091
	CSB5-071418-25.5-26.5	7/14/2018	25.5-26.5	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	CSB5-071418-35.0-35.75	7/14/2018	35.0-35.75	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	CSB5-071418-35.75-36.5	7/14/2018	35.75-36.5	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
CSB-6	CSB6-071418-5.0-5.5	7/14/2018	5.0-5.5	**0.057**	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	CSB6-071418-5.5-6.5	7/14/2018	5.5-6.5	**0.060**	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
	CSB6-071418-35.0-35.5	7/14/2018	35.0-35.5	0.0069	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
	CSB6-071418-35.5-36.0	7/14/2018	35.5-36.0	0.0066	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097
CSB-7	CSB7-082518-5.0-5.5	8/25/2018	5.0-5.5	0.036	0.0016	<0.0013	<0.0013	<0.0013	<0.0013
	CSB7-082518-6.0-6.5	8/25/2018	6.0-6.5	0.045	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015

Table 7
Analytical Results Summary - Soil
Former Penthouse Drapery & Belshaw Site
Seattle, Washington
Pacific Crest No: 105-003

				Soil Analytical Results (milligrams per kilogram)[1]					
				Chlorinated Volatile Organic Compounds					
Location ID	**Sample ID**	**Sample Date**	**Sample Depth[2]**	**Tetrachloroethene**	**Trichloroethene**	**cis-1,2-Dichloroethene**	**trans-1,2-Dichloroethene**	**Vinyl Chloride**	**1,1,1-Trichloroethane**
CSB-8	CSB8-082518-45.0-45.75	8/25/2018	45.0-45.75	0.019	0.0042	<0.0011	<0.0011	<0.0011	<0.0011
	CSB8-082518-45.75-46.5	8/25/2018	45.75-46.5	**0.055**	0.0017	0.0016	<0.0016	<0.0016	<0.0016
CSB-9	CSB9-082518-52.0-52.5	8/25/2018	52.0-52.5	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013	<0.0013
	CSB9-082518-54.5-55.0	8/25/2018	54.5-55.0	**0.18**	0.003	<0.0011	<0.0011	<0.0011	<0.0011
CSB-10	CSB10-092718-45.0-45.75	9/27/2018	45.0-45.75	0.0037	0.0022	<0.0010	<0.0010	<0.0010	<0.0010
	CSB10-092718-45.75-46.5	9/27/2018	45.75-46.5	0.030	0.014	0.0018	<0.0012	<0.0012	<0.0012
CSB-11	CSB11-092718-50.0-51.0	9/27/2018	50.0-51.0	0.0049	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	CSB11-092718-54.0-55.0	9/27/2018	54.0-55.0	0.0016	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
			Site-specific Cleanup Level	**0.05**	**0.03**	**0.4**	**--**	**--**	**--**

NOTES:

[1]Analyzed by SW-846 Method 8260B

[2] Depth in feet below ground surface

< = concentration not detected at or above the laboratory detection limit

Bold = concentration exceeds Site-specific cleanup level

Italics = laboratory detection limit exceeds the Site-specific cleanup level

-- = No information available

APPENDIX A
TRS PROGRESS REPORTS

CLEANUP ACTION PROGRESS REPORT

Former Penthouse Drapery and Belshaw Site
1752 Rainier Avenue South
Seattle, Washington

Pacific Crest No: 105-003

April 10, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH Construction / Start Up Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period April 4, 2017 through April 5, 2018

Dear Jack and Bill:

This status report provides a summary of site construction and start-up activity as well as Electrical Resistance Heating (ERH) related activities for the first week of operation including ERH field activities, ERH system status, and upcoming work. A site map is included as Figure 1 for reference.

System Construction

Site activities by TRS Group, Inc. (TRS) began on April 4, 2017 with delivery and placement of the Conex container. Pacific Crest Environmental engaged both public and private utility locating services to inspect the treatment area prior to the start of drilling activities. Due to the relatively small size of the treatment area a survey was deemed unnecessary and the 21 electrodes, three temperature monitoring points (TMPs), and ten monitoring well locations were measured and marked in the field relative to known reference points.

The subsurface portion of the installation began on April 15, 2017, with concrete coring inside the Seattle Collision Center (SCC) building by Dakota Concrete. All subsurface work inside the SCC building took place on weekends when the facility was closed for business. The drilling contractor (Holocene Drilling) began work on April 20, 2017. Electrode and TMP installations were completed under TRS subcontract and oversight, while the monitoring well work was completed under Pacific Crest subcontract and oversight. Electrodes were installed using a combination of hollow stem auger (HSA) and sonic drilling techniques, sonic drilling being the preferred method on the deeper (85') completions.

On April 25, 2017, TRS conducted the successful placement of the condenser, cooling tower, 25 hp blower, and two 200 lb. LGAC vessels. The larger equipment was unloaded and moved by subcontractor Nelson Trucking using a 20 ton forklift. The condenser and LGACs were placed within a PVC secondary containment system.

Drilling outside the building was complete on June 15, 2017. Due to limited weekend access drilling inside the building was not complete until July 15, 2017. On the weekend of July 22, 2017, TRS and excavation contractor Rivers Edge Environmental Services completed trenching, below grade

systems, and backfilling. The neutral grid and concrete were placed the following weekend and subsurface work was 100% complete on July 30, 2017 (with the exception of the sewer tie-in, which was completed by TRS in October 2017 under a City of Seattle Side Sewer Permit and inspection).

With the Seattle City Light service still pending TRS did not begin surface installation until August 30, 2017. Surface installation activities included above grade vapor recovery (VR) piping, wiring of equipment and gauges, wiring of TMP and drip field boxes, interlock wiring and programming, and autotransformer (ATX) supply cable connection. This work was essentially complete in 30 days, but for security reasons electrode supply cables were not placed until November 30, 2017.

When construction operations began, a combination of permanent and temporary galvanized fence surrounded the entire Belshaw property, the temporary fence having been erected by IMCO Construction to secure their temporary lay-down yard that surrounded the site. Work on the ERH Restricted Zone fence began on September 28, 2018, by All City Fence. This fence consists of wood posts and vinyl clad chain link with a privacy screen on publicly facing west and south sides. Once IMCO construction vacated the site TRS purchased IMCO-owned pole mounted LED area lights and took over rental of their temporary perimeter fence as added security measures.

The application for electrical service was made on December 22, 2016 and assigned Service #1700225 on January 5, 2017. A meeting was held on site with the SCL Client Representative Antonio Hernandez and the SCL Project Engineer Lin Chi on June 8, 2017. On August 10, 2017 SCL requested a secondary containment plan prior to issuance of the service construction letter. TRS retained Seahurst Electric prepare this secondary containment plan, which was submitted to SCL on August 28, 2017. The service construction letter was issued on September 14, 2017 and field work related to the electrical service began on October 18, 2017. TRS performed the trenching and backfill while Seahurst Electric performed all other tasks including secondary containment construction, assembly of the switch gear and meter cabinet, and cable installation. The Seahurst-installed equipment passed inspection on November 21, 2017 and it took until January 3, 2018 before SCL installed the meter and February 6, 2018 for SCL to pull conductors from the pole, set the transformer, and make final connections. At this point switch gear was energized and start up was only contingent on the third-party inspection and City of Seattle approval discussed in the Startup section below.

The LGAC vessels were loaded with carbon on October 25, 2017. The two 2,000 lb. VGAC vessels had also been delivered by this time but were not placed into final position until after SCL transformer installation. The three autotransformers (ATXs) were delivered to the site on November 29, 2017 and placed on a grounded pad. Electrode cables were placed on November 30, 2017.

Condensate discharge from the condensers is routed to the two LGAC vessels plumbed in series. Treated wastewater and blowdown water from the condensers is plumbed to the sanitary sewer tie-in under King County and City of Seattle permits. Discharge flow is limited to 2,880 gallons per day. Make up water is plumbed above surface grade from the vacant Belshaw property building to the TRS condenser.

A security system was installed along the perimeter fence that surrounds the ERH restricted zone. The system consists of seven motion-detecting sensors. If the sensors detect movement within the coverage area, the PCU load contactor will open and discontinue electrical energy application to the subsurface. TRS is notified of this action by automated text message and e-mail. The security system

also provides five perimeter cameras which detect motion and alert TRS of an intrusion with a phone call from a manned alarm center. Additionally, one 360° camera is located on a mast above the PCU to allow for remote viewing the Site. A temporary construction system had been used throughout the construction process but this was switched over to the operating system tied to the PCU interlocks on March 28, 2018.

The electrodes, equipment, and other Site features are shown on Figure 1.

System Startup Activities

System startup and optimization began on February 16, 2018. This phase of the work consisted of energizing the condenser and cooling tower, VR blower, air heat exchanger, temperature monitoring points, and control systems. This was followed up with functionality testing of the ERH equipment and interlocks and the evaluation of subsurface energy application.

The condenser holding tanks were filled with water and condenser operations were initiated. Items inspected included leak checks, functionality (hand/off/auto switches, float switches, valves), and the ability to maintain normal operations. The inspection of the system also verified the proper operational parameters (flow, differential pressures, and applied field vacuum) on each gauge and valve. Once proper operations of the components were confirmed, ERH equipment interlock testing commenced. Testing of the ERH equipment interlocks was completed on March 16, 2018, and each interlock performed as designed.

A third-party field evaluation was required by the City of Seattle prior to operations. TRS engaged PSE Power Science Engineering LLC (PSE) to initiate the evaluation process. The evaluation included physical inspection of all TRS equipment, designs, and execution of TRS standard operating procedures (SOPs) including voltage testing procedures. PCE performed a preliminary inspection on January 11, 2018, a progress inspection on February 22, 2018, and a final inspection on March 7, 2018. TRS made several corrections at the request of PSE, most were minor in nature with the exception of one that required the installation of a ground fault detection and indication device in the PCU.

TRS initiated electrical energy application to the subsurface for voltage safety testing on February 22, 2018. These tests were done to evaluate surface conditions for the presence of accessible voltage potentials. Areas where the public or personnel may walk and/or touch surfaces were evaluated for exposed voltage potential. Any areas exceeding the TRS administrative safety limits were bonded or isolated from touch to ensure the safe application of ERH.

The Site was established as electrically safe for step and touch potentials however, voltage issues remained in the SCC building during wetted extension cord surveying (i.e., wet concrete to utility ground). This is likely due to wire reinforcement in the concrete floor slab and steel rebar in the footing or former stem wall that separates the original building from the east side addition. Mitigation to 10 volts was deemed impractical and the issue was addressed via administrative controls that included: 1) additional training of SCC staff on March 27, 2017; 2) testing of corded power tools and replacement as necessary; 3) replacement of SCC's metal ladders and stools with non-conductive versions; and, 4) tagging of approved tools and posting of warning signs throughout the building. Once these efforts were completed the site was cleared for uninterrupted operations on March 29,

2018. During initial energy application, TRS monitored cable/electrode amperages, applied voltages to the subsurface, and the overall application of ERH to the treatment volume.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018 at 2:34 PM local time. As this is the first reporting period, comparison data from the prior period is pre-operations.

ERH System Parameter	March 29, 2018	April 5, 2018
Average Power (kW)	0	485
Cumulative Energy Applied (kWh)	0	81,603
Average Site Subsurface Temperature (°C)	14	19.7
Average Condensate Production Rate (gpm)	0	0
Total Condensate Production (gallons)	0	181

TRS Group, Inc. (TRS) personnel were on site during the reporting period. Site activities included system start-up and optimization, training additional Seattle Collision Center contractors in accordance with the April 27, 2018 Agreement and acknowledgement of voltage hazards, and additional voltage mitigation inside the SCC building (epoxy coating a section of the floor). Ongoing voltage testing has shown that this and other mitigation efforts have been successful and that voltage potentials remain with the limits established in the Health and Safety Plan and the Agreement.

As discussed during the weekly conference call, there was one incident in the form of a break-in. At approximately 11:40 PM on April 2 an intruder cut both the Belshaw property perimeter fence and the ERH restricted zone fence. The motion sensor system worked as designed and immediately cut power to the electrode field. The Seattle City Police were dispatched but not before the thief made off with a small amount of scrap cable. The fences were repaired the next day, scrap cable was recycled, other materials were moved to be in better camera position. TRS is also investigating additional steps such as the addition of a strobe light that is triggered on motion.

During the reporting period, there were no system shutdowns longer than one hour. The longest shut-down (exactly 1 hour) was related to the break-in. Total down time during the reporting period was approximately 2 hours and 28 minutes or 98.4% uptime since start-up.

Temperatures

The average subsurface temperature in the treatment volume at the end of this reporting period was 19.7 degrees Celsius (°C). This is an average subsurface temperature increase of 5.7 °C since the baseline subsurface temperature data collected during the two weeks prior to start-up. The average heat-up rate during the reporting period was approximately 0.8 °C per day (1.2 °C per day at the end of this reporting period). The highest individual temperature measurement from within the treatment volume was 29.9 °C, recorded at temperature monitoring point C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the Site average subsurface temperature over time. Figures 3a through 3c present temperatures relative to depth for each temperature monitoring point (TMP).

Power and Energy

The ERH Power Control Unit (PCU) averaged 485 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of April 5, 2017 was 81,603 kilowatt-hours (kWh). This represents approximately 4.7% of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 260 standard cubic feet per minute (scfm).

Mass removal estimates will begin with the next weekly report. Pacific Crest conducted their weekly visit and performed initial air and water sampling on April 4, 2015. There are no waste management issues to report at this time other than TRS has begun running drilling water through the treatment system and we intend to have any water emptied, and remaining solids consolidated for off-site disposal within the next few weeks.

Recommendations and Planned Activities

TRS personnel Steve Pistoll and Jeff Root are scheduled to be on site the week of April 9, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring, and maintenance activities.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by email at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

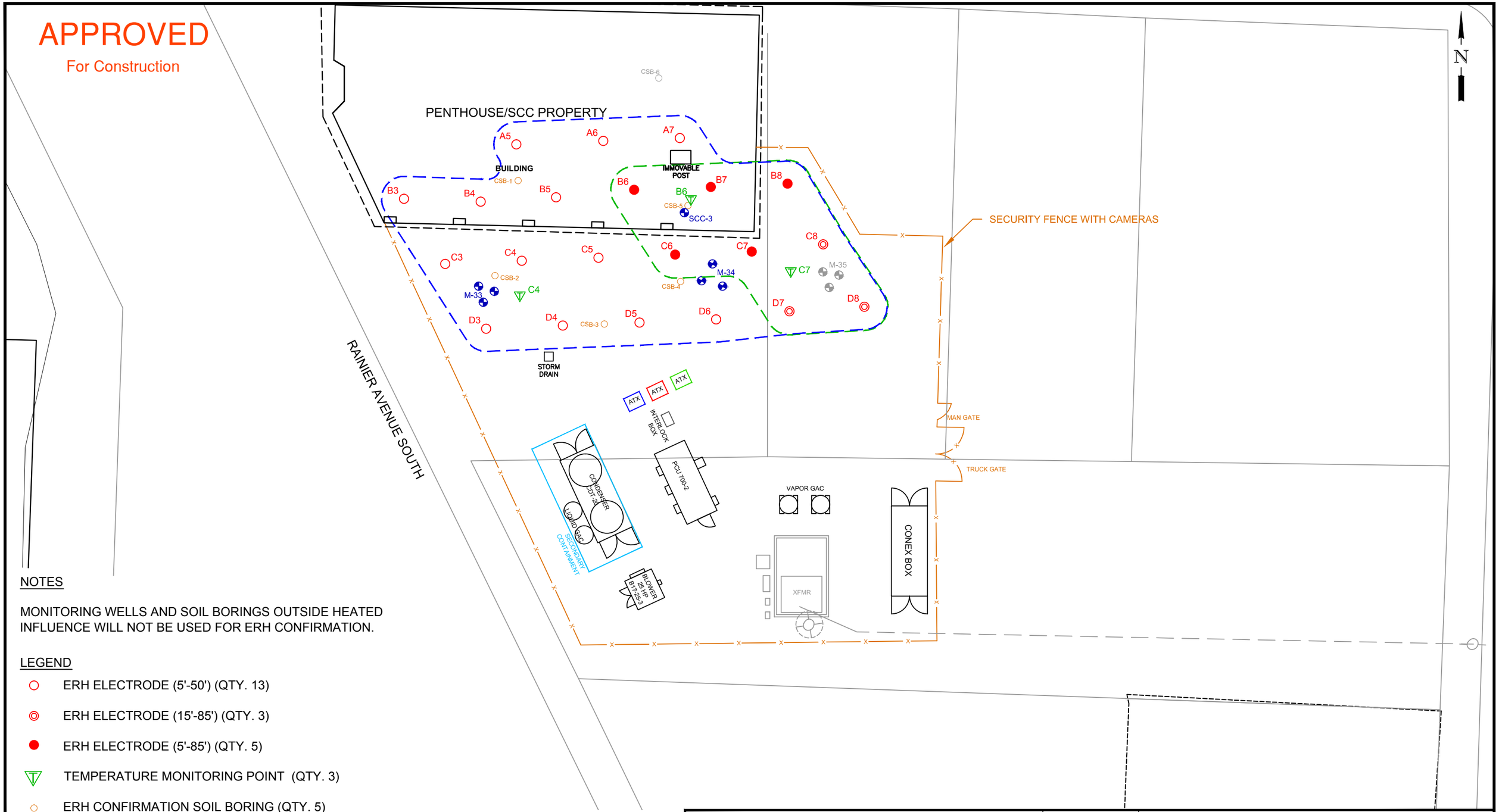
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

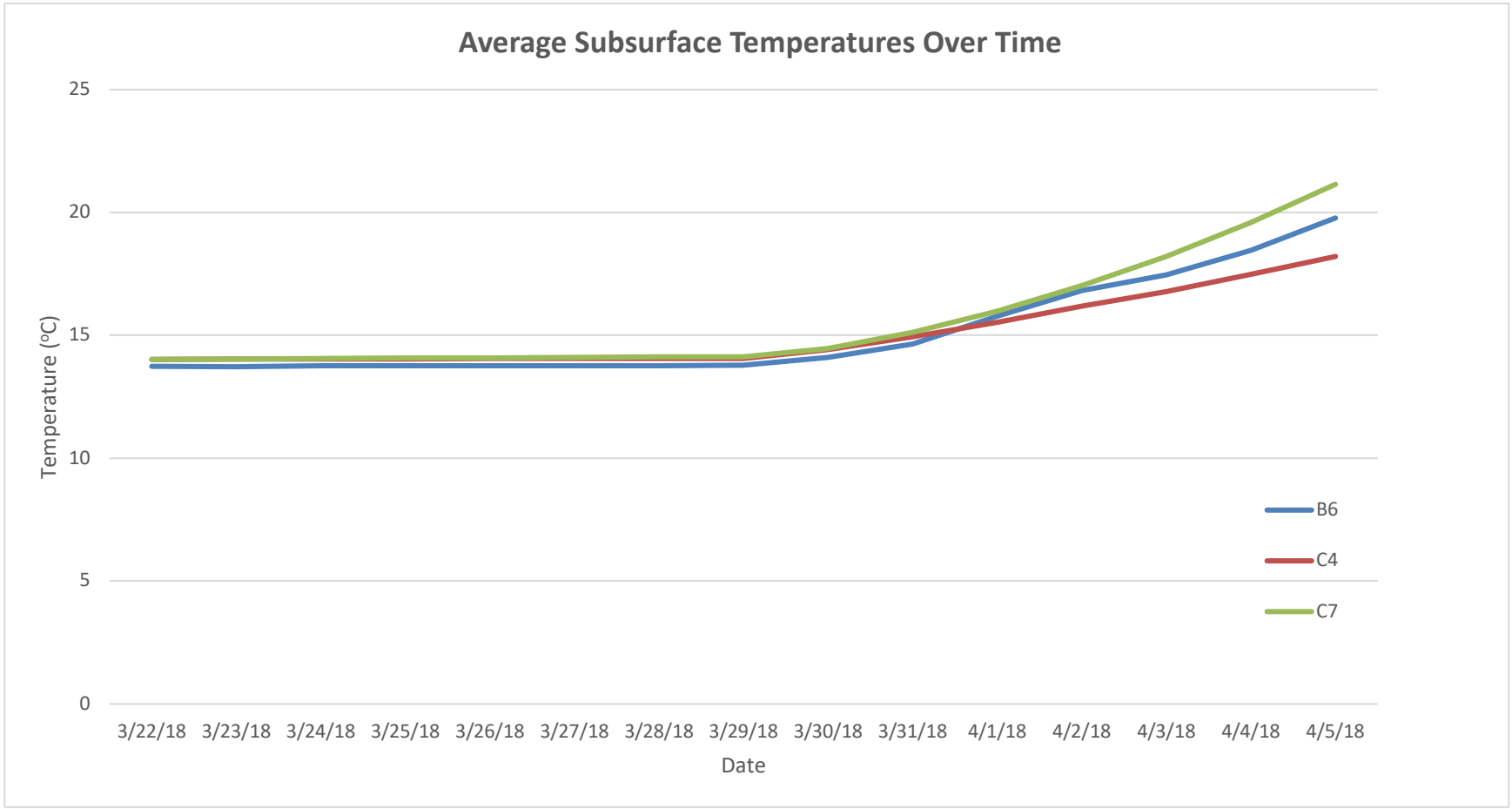


Figure 2. Average Site Subsurface Temperature vs. Time

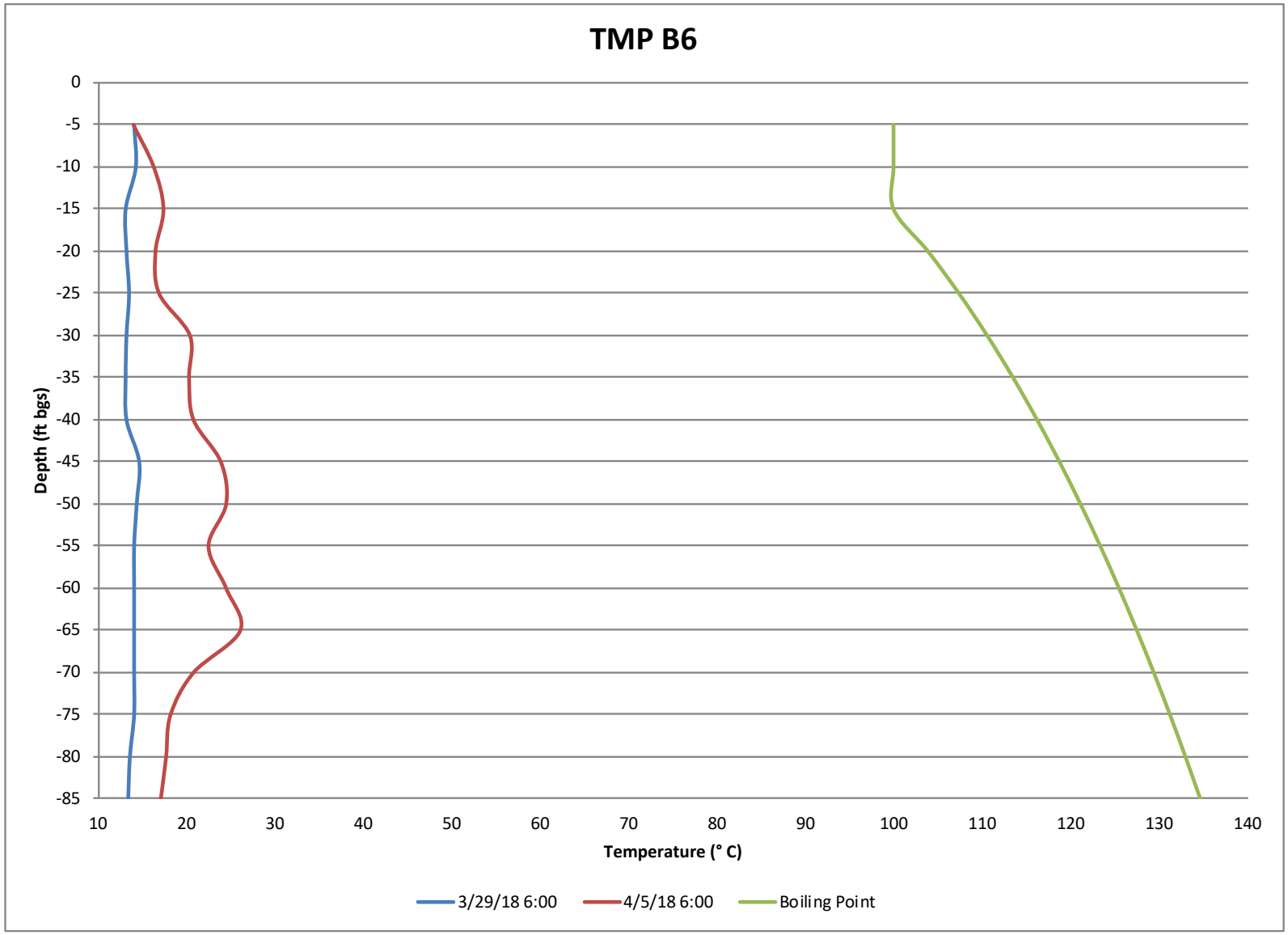


Figure 3a. TMP-B6 Temperature vs. Depth

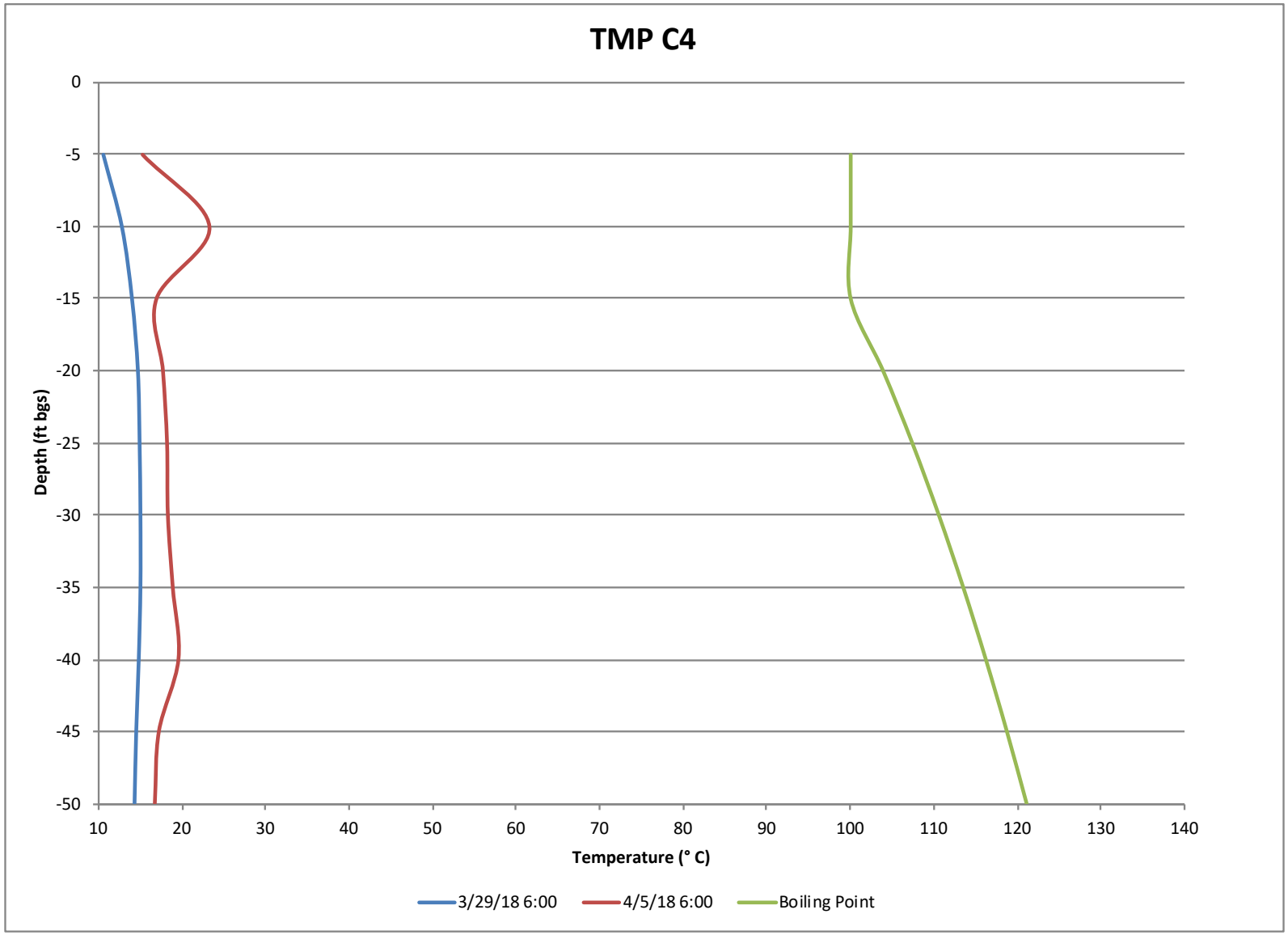


Figure 3b. TMP-C4 Temperature vs. Depth

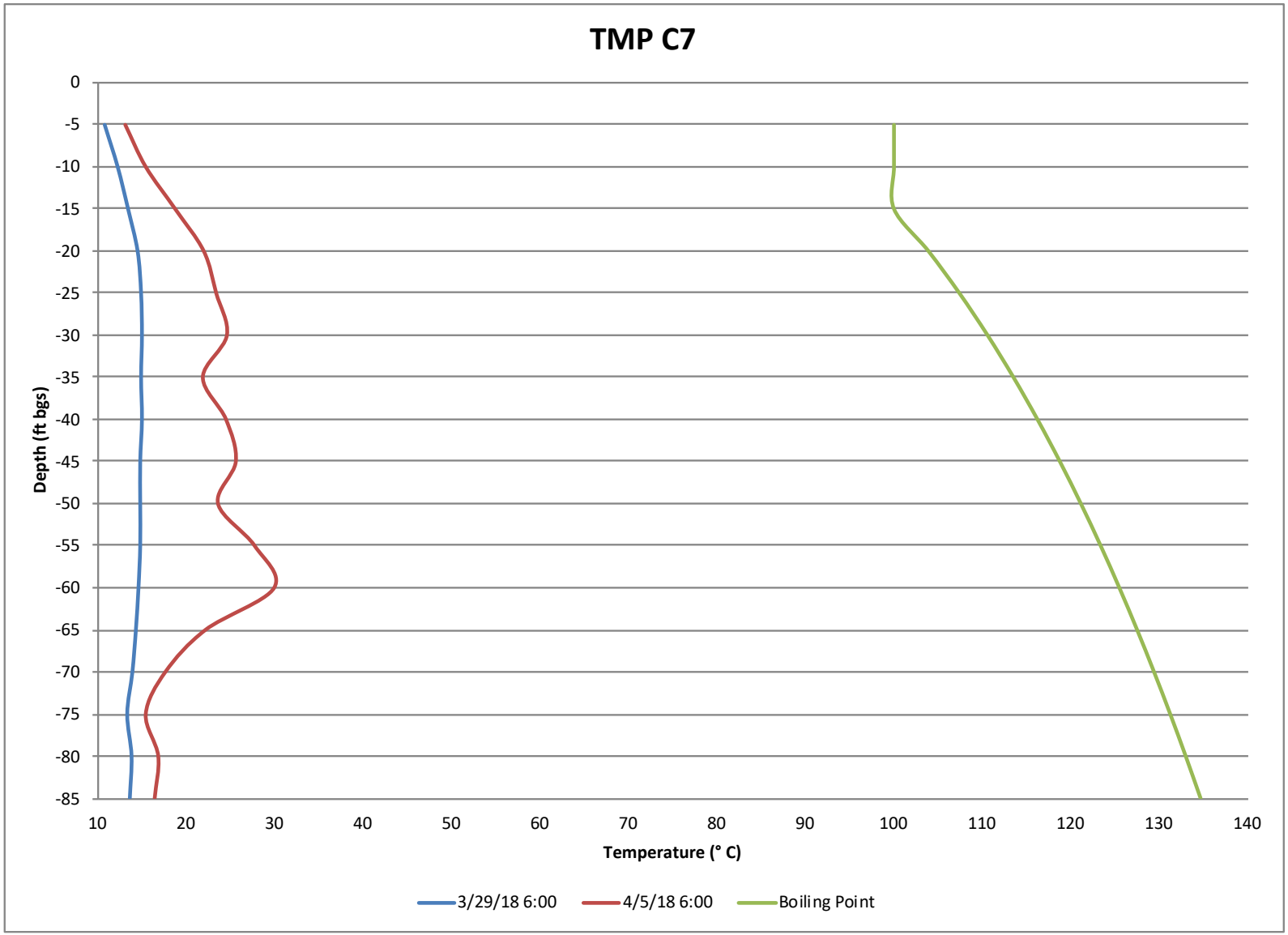


Figure 3b. TMP-C7 Temperature vs. Depth

April 13, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period April 6-12, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the second week of operation including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	April 5, 2018	April 12, 2018
Average Power (kW)	485	467
Cumulative Energy Applied (kWh)	81,603	159,920
Average Site Subsurface Temperature (°C)	19.7	28.5
Average Condensate Production Rate (gpm)	0.018	0.04
Total Condensate Production (gallons)	181	617

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation and optimization and additional voltage testing. Ongoing voltage testing has shown that mitigation efforts have been successful and that voltage potentials remain within the limits established in the Health and Safety Plan and the Agreement.

During the reporting period, there was one system shutdown longer than one hour. On Friday April 6, 2018, TRS personnel had left the site for the weekend when Seattle Collision Center's (SCC) air conditioning vendor arrived and, as-instructed, used the emergency shut-off to stop power application while he was using corded equipment. The notification system had been turned off for testing purposes earlier in the day, and due to a TRS oversight, had not been re-enabled. All safety interlocks

and security features continued to operate as designed, however, power application was interrupted for 12 hours until TRS connected remotely to the ERH Power Control Unit (PCU) system and discovered the condition. Total down time during the reporting period was 12 hours and 16 minutes, total uptime remains at 95 percent since start-up.

Temperatures

The average subsurface temperature in the treatment volume at the end of this reporting period was 28.5 degrees Celsius (°C). This is an average subsurface temperature increase of 14.5 °C from the baseline subsurface temperature data collected during the two weeks prior to start-up. The average heat-up rate during the reporting period was approximately 1.3 °C per day. The highest individual temperature measurement from within the treatment volume was 55.9 °C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 467 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of April 12, 2018, was 159,920 kilowatt-hours (kWh). This represents approximately 9 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 27.4 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 255 standard cubic feet per minute (scfm).

Based on photoionization detector (PID) readings, TRS estimates that approximately 1.5 pounds of volatile organic compound (VOC) mass has been removed from the subsurface. Note that one Pacific Crest PID reading on April 4, 2018, appeared to be erroneously high and has been excluded from this calculation. The pending laboratory report for vapor sampling that day will confirm or refute this assumption and future mass removal calculations adjusted accordingly. Pacific Crest conducted their weekly inspection on April 11, 2018.

Total condensate production is approximately 617 gallons and the production rate is currently 0.04 gallons per minute (gpm). These numbers do not include approximately 300 gallons of drilling water that has been pumped into the treatment system through the end of the reporting period.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of April 16, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring, and maintenance activities.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

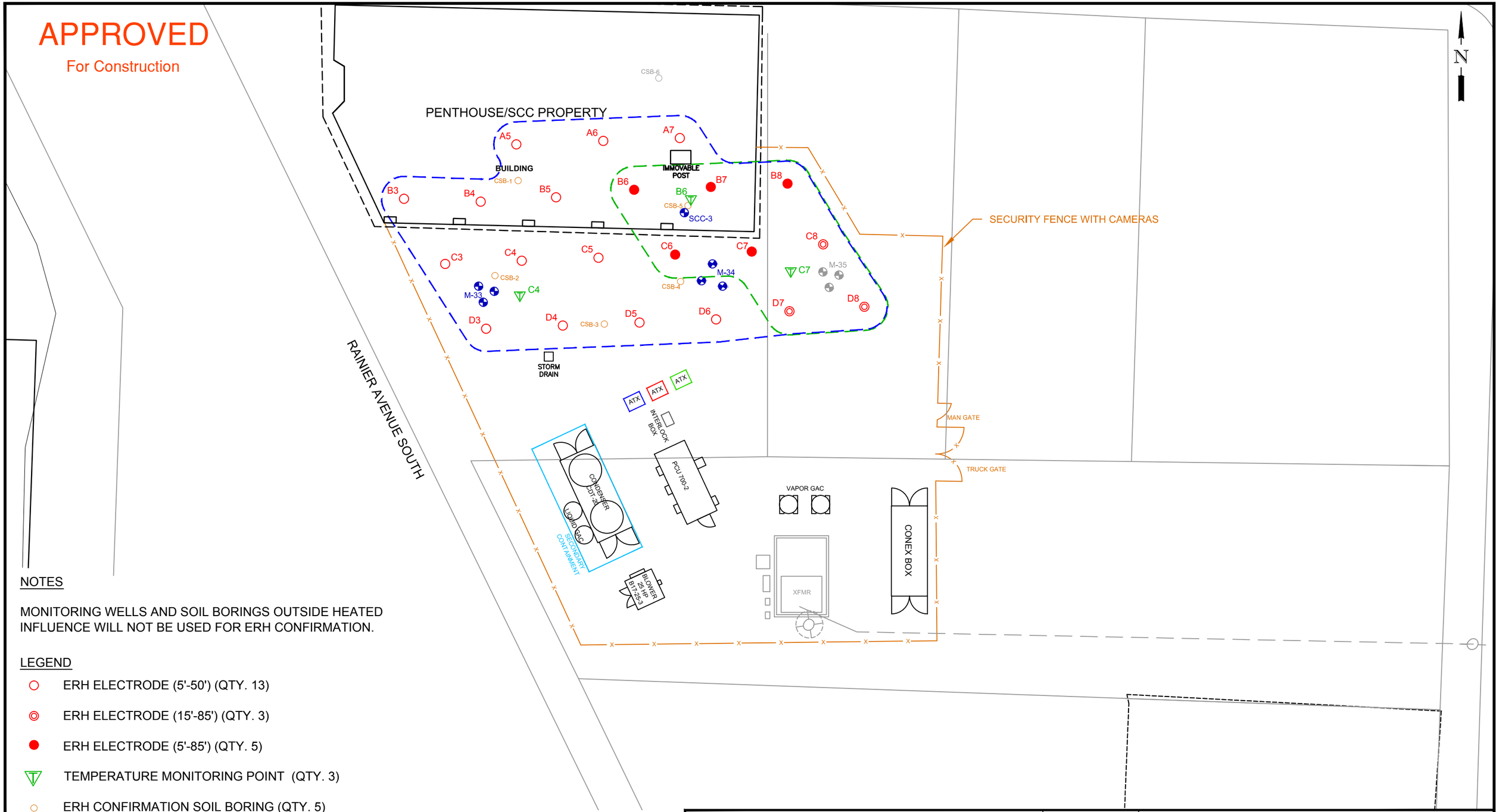
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

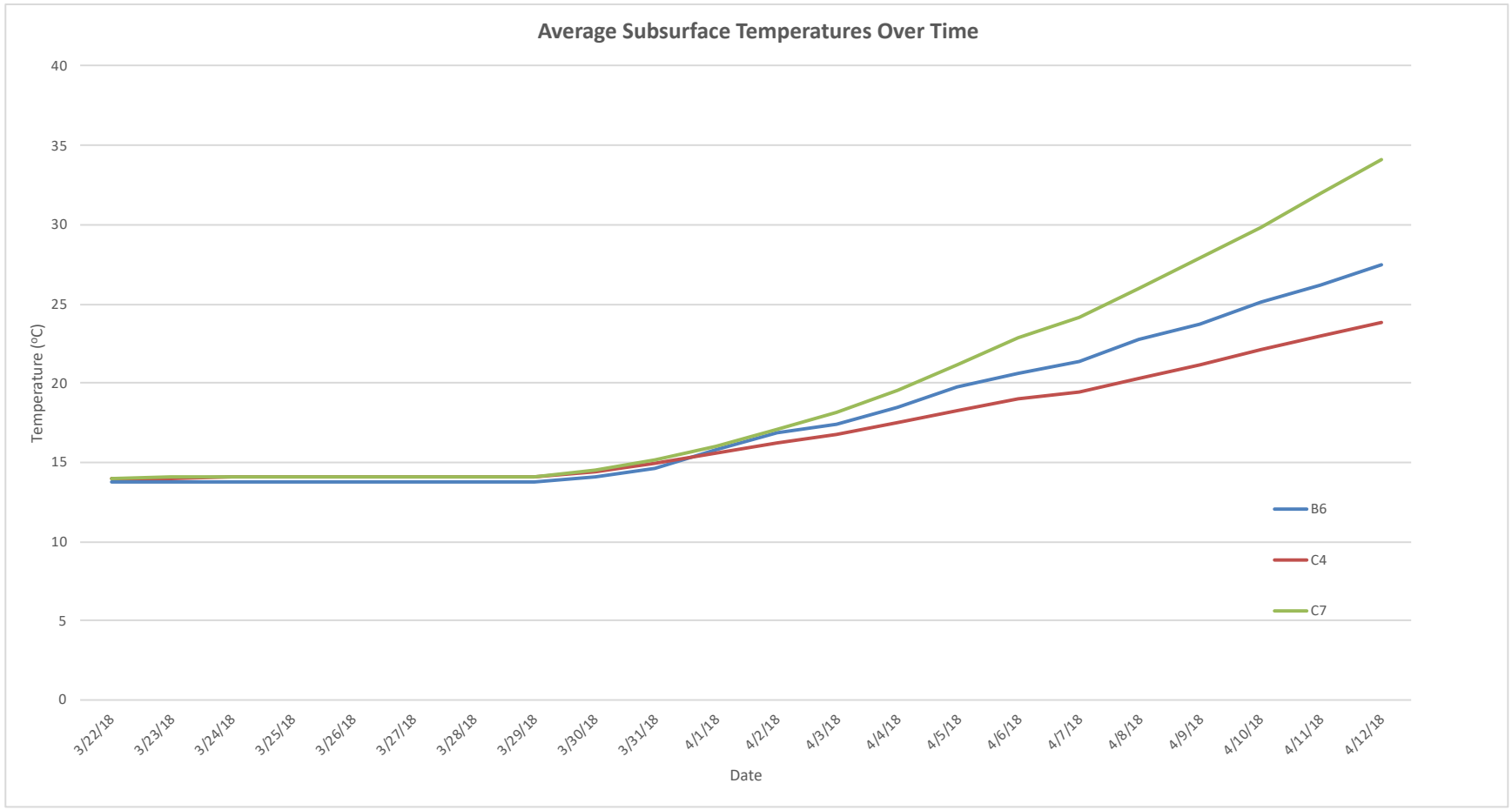


Figure 2. Average Site Subsurface Temperature vs. Time

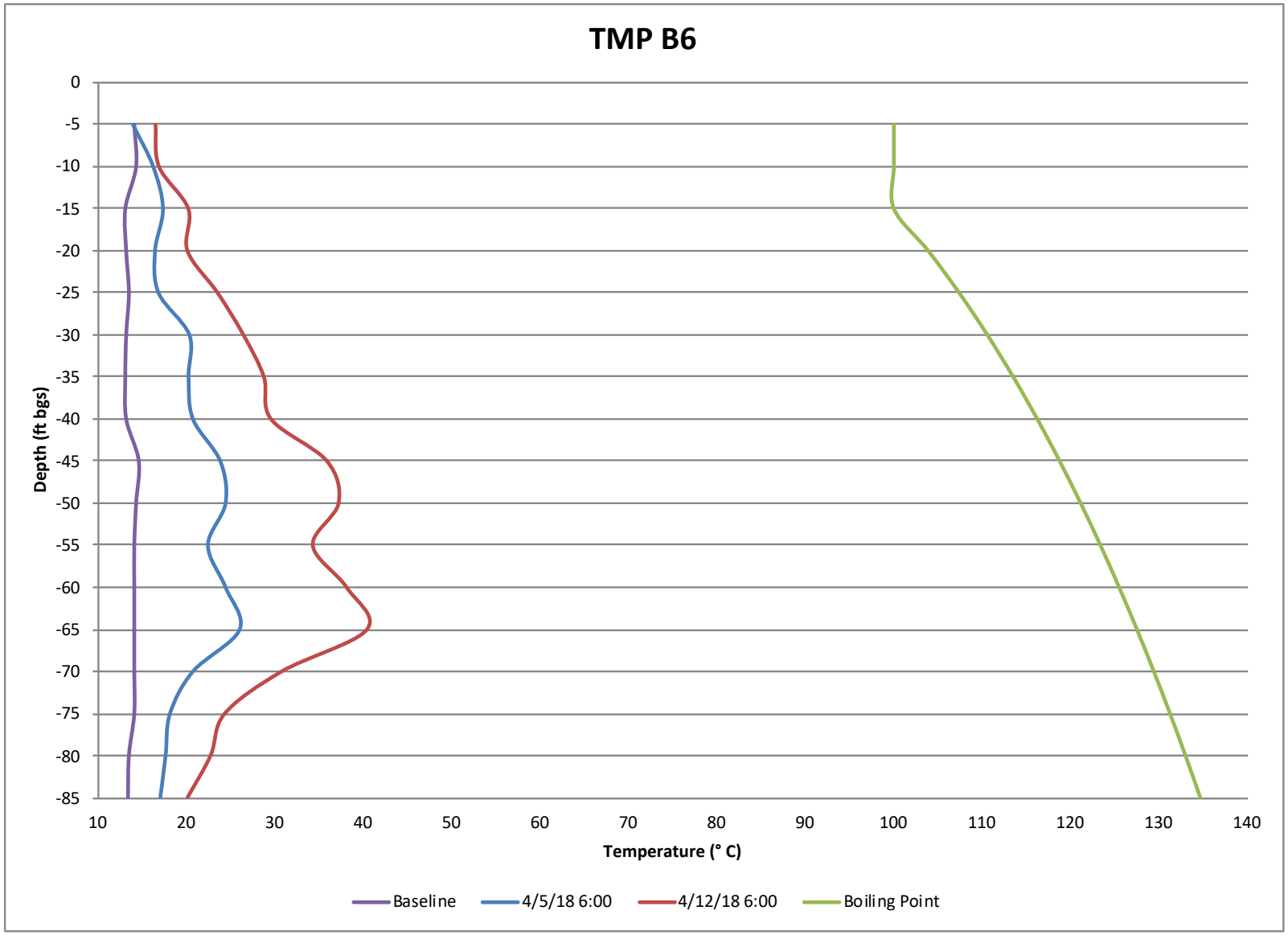


Figure 3a. TMP-B6 Temperature vs. Depth

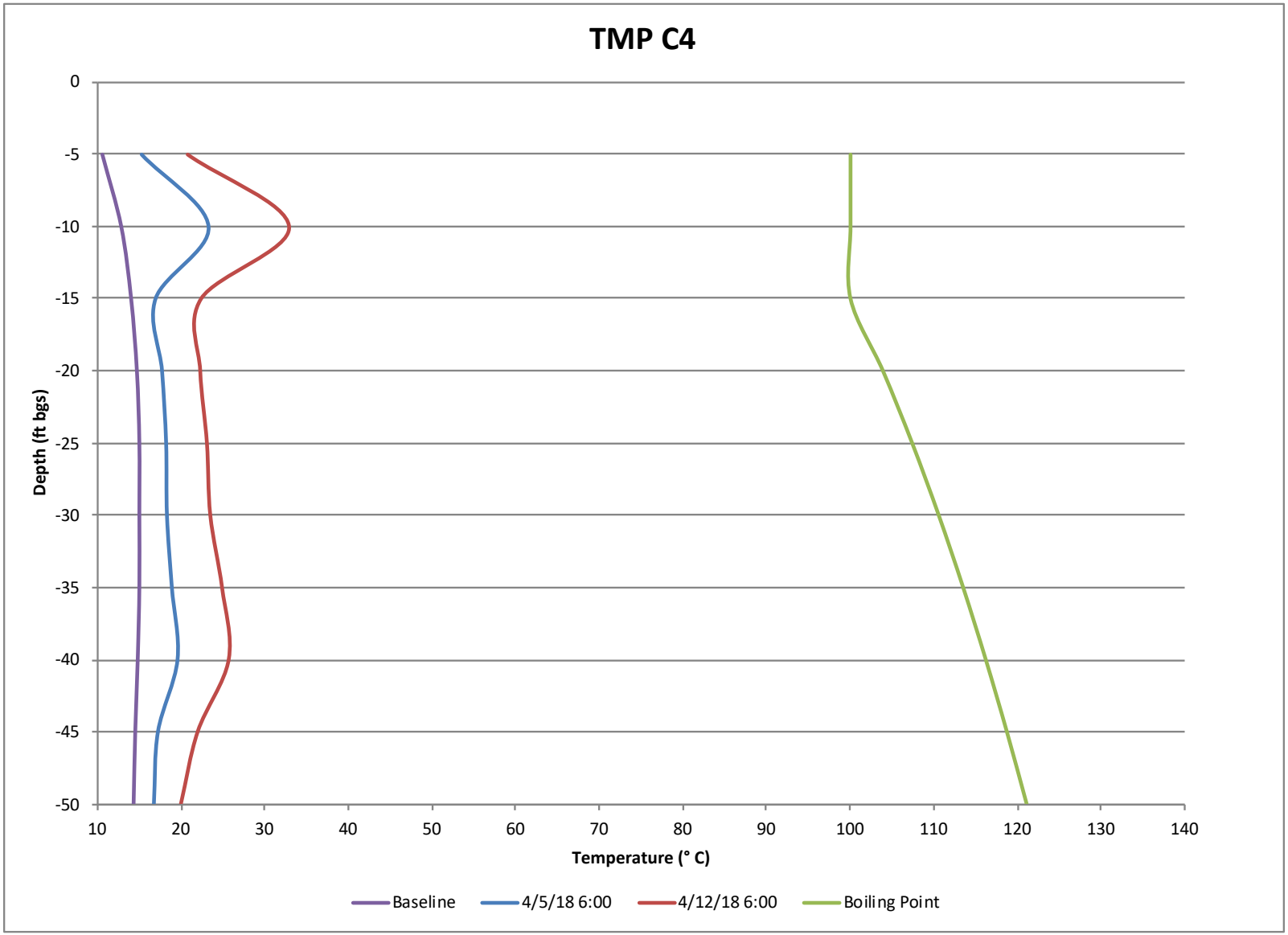


Figure 3b. TMP-C4 Temperature vs. Depth

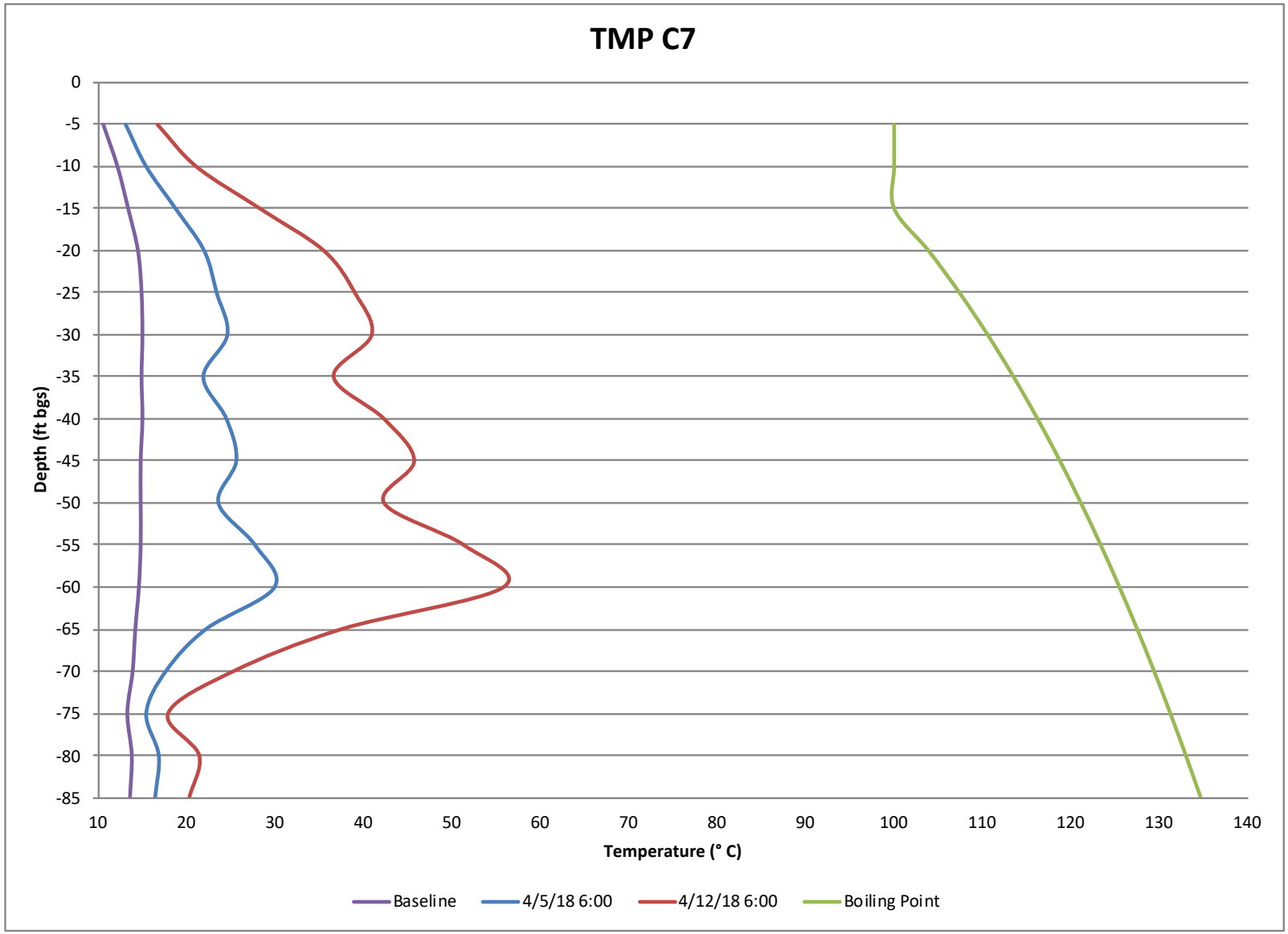


Figure 3b. TMP-C7 Temperature vs. Depth

April 30, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period April 20-26, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending April 26, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	April 19, 2018	April 26, 2018
Average Power (kW)	504	389
Cumulative Energy Applied (kWh)	244,684	309,061
Average Site Subsurface Temperature (°C)	38.9	47.7
Average Condensate Production Rate (gpm)	0.22	0.22
Total Condensate Production (gallons)	2,799	4,984

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization and additional voltage testing. Voltage potentials remain within the limits established in the Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was one system shutdown longer than one hour (approx.. 44 hours) starting on April 20, 2018. TRS staff visited the Sunday morning 4/22 to find that the backup power supply (UPS) had quit working. This caused the contactor to open and resulted in loss of internet connection. A new UPS has been ordered and will be installed during the next reporting period. The vapor recovery system remained in operation during the extended contactor open period. Total down

time during the reporting period was approximately 45 hours with total uptime reduced to 92 percent since start-up.

The addition of a warning strobe light was completed this week to provide a visual indication of a site security breach. There were no security issues to report this week.

Temperatures

The average subsurface temperature in the treatment volume at the end of this reporting period was 47.7 degrees Celsius (°C). This is an average subsurface temperature increase of 33.7 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 1.26 °C per day. The highest individual temperature measurement from within the treatment volume was 104.7 °C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs). We investigated the lower temperature shown on previous weeks graphs of C7 at a depth of 75 ft bgs and discovered that our sensors were connected to the data acquisition system in the wrong order. This has been corrected in the field and our data management system.

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 389 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of April 26, 2018, was 309,061 kilowatt-hours (kWh). This represents approximately 18 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date TRS estimate that 50% design energy will be achieved on June 10, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 15 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 260 standard cubic feet per minute (scfm) and experienced 100% uptime.

Based on photoionization detector (PID) readings, TRS estimates that approximately 0.2 pounds of volatile organic compound (VOC) mass has been removed from the subsurface. Pacific Crest will conduct their weekly inspection on April 26, 2018.

Total condensate production is approximately 4,984 gallons and the production rate is currently 0.22 gallons per minute (gpm). These numbers do not include approximately 1100 gallons of drilling water that has been pumped into the treatment system through the end of the reporting period.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of April 30, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring, and maintenance activities.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

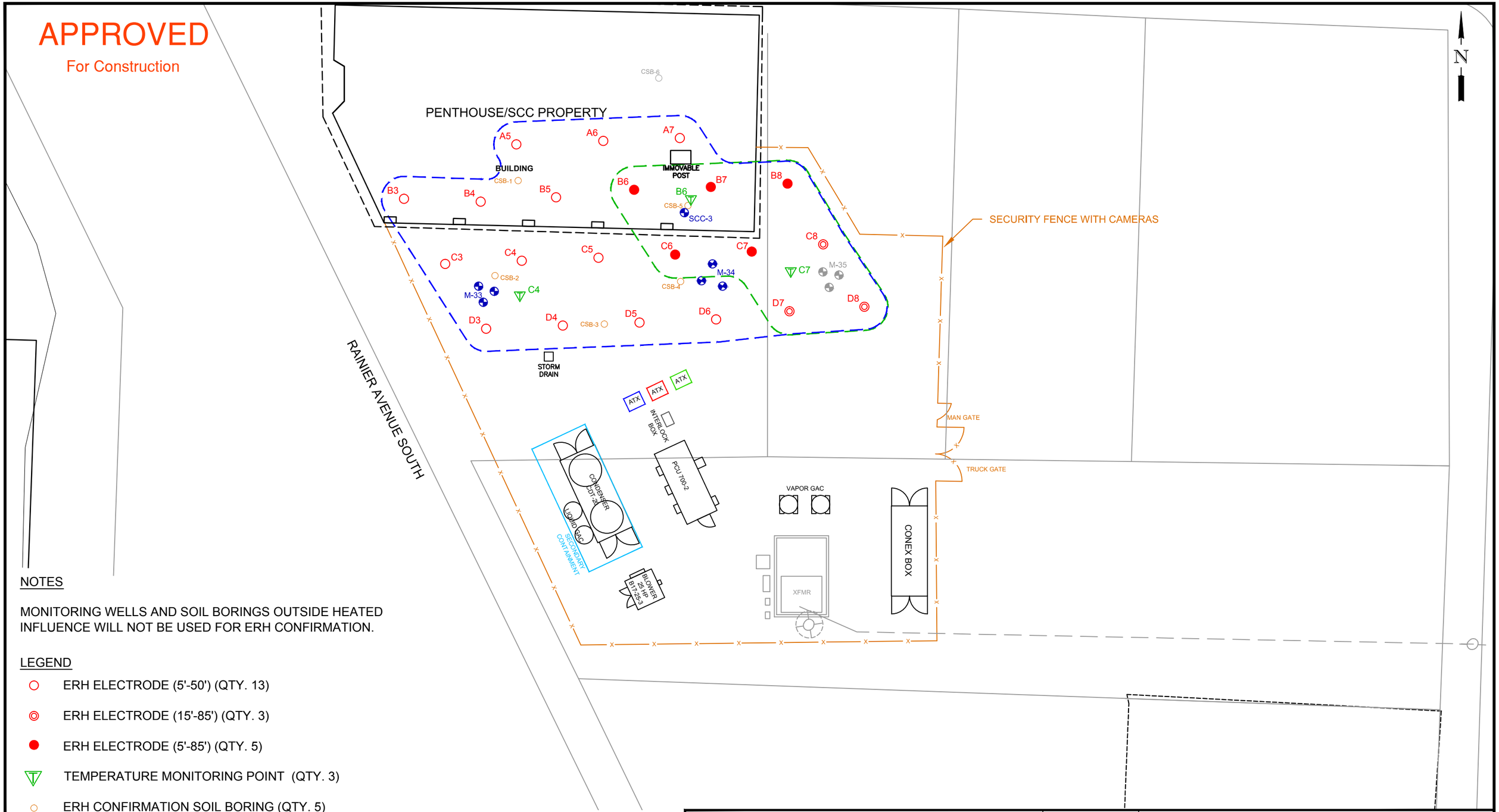
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

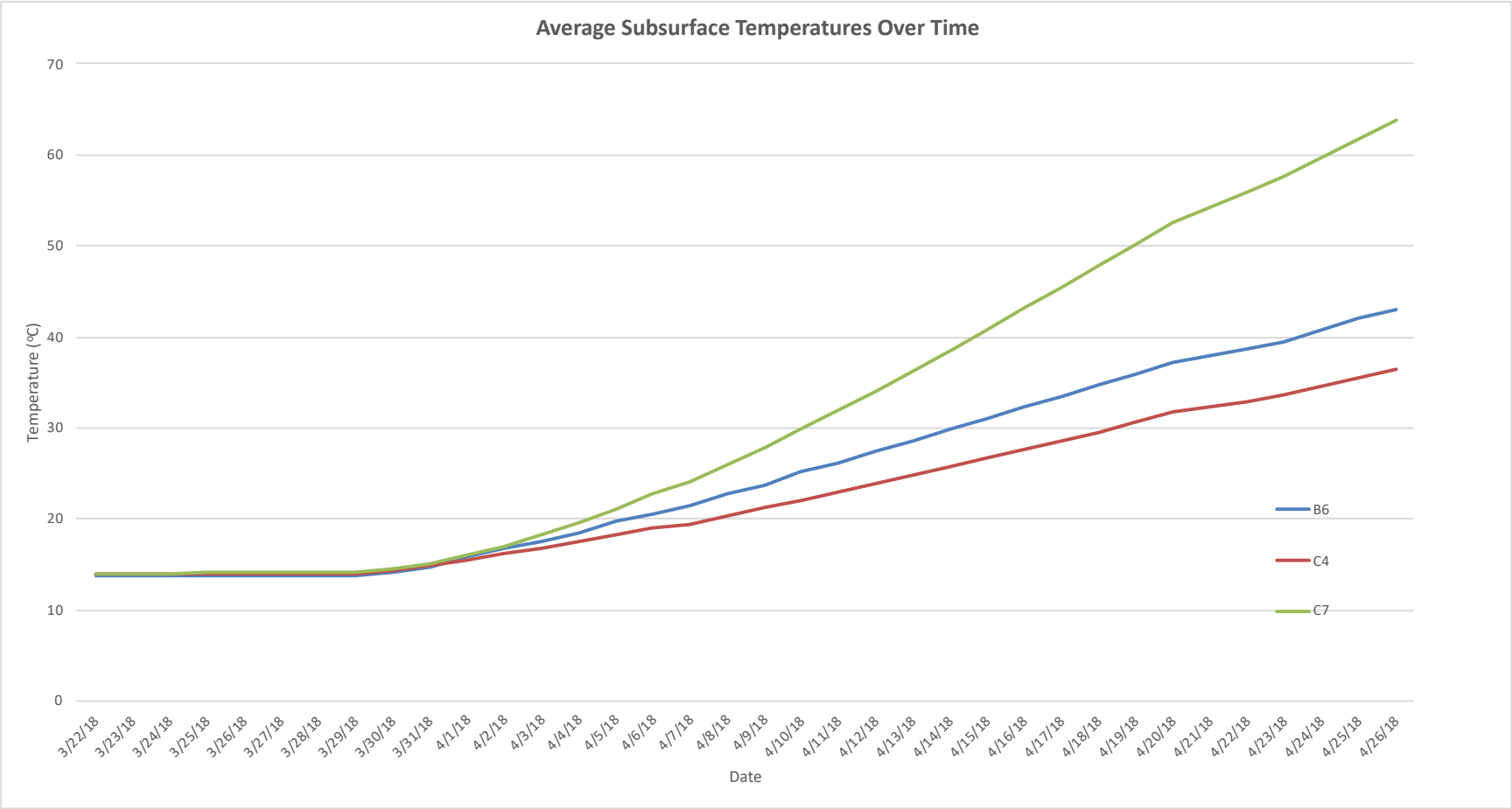


Figure 2. Average Site Subsurface Temperature vs. Time

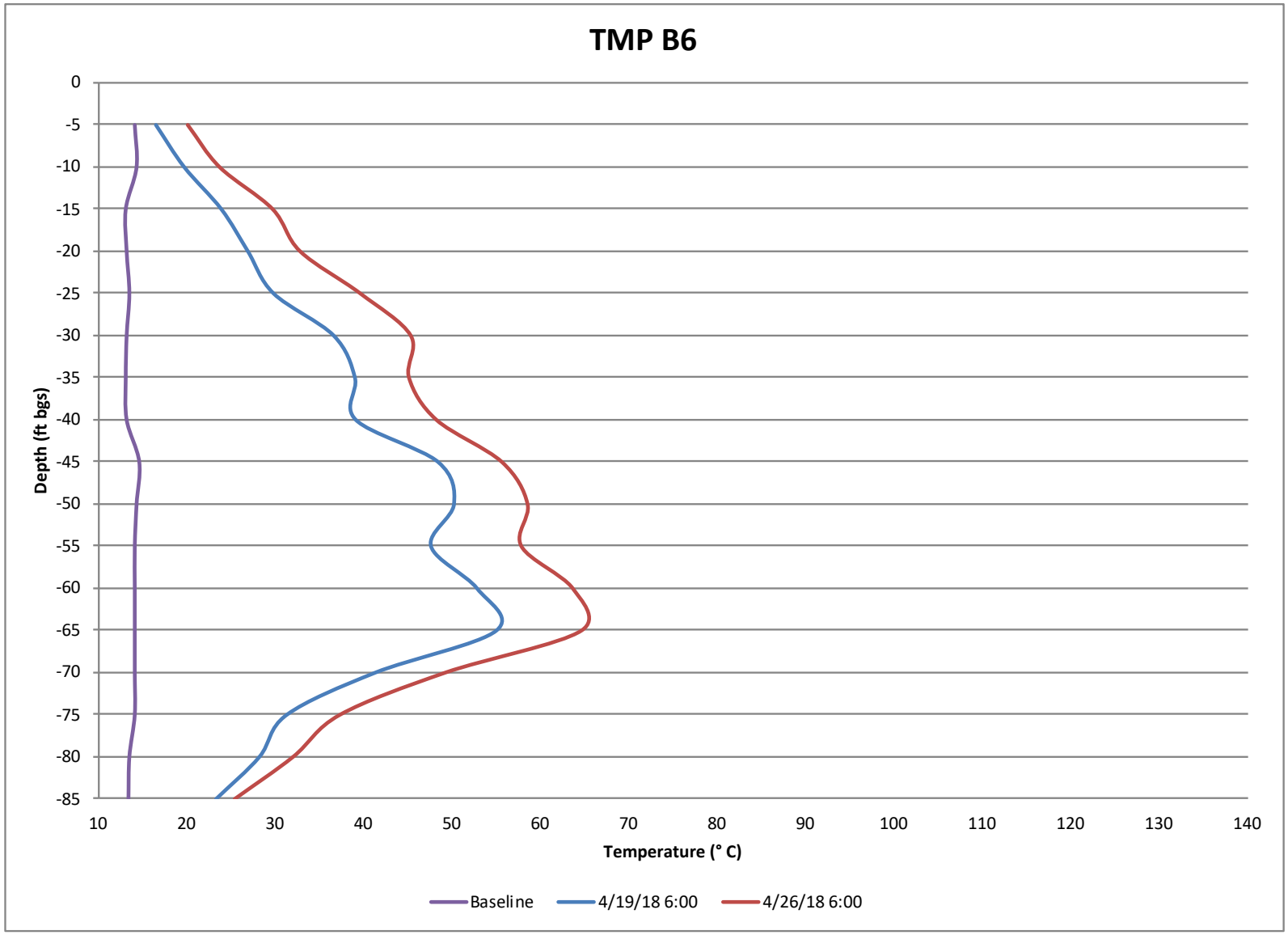


Figure 3a. TMP-B6 Temperature vs. Depth

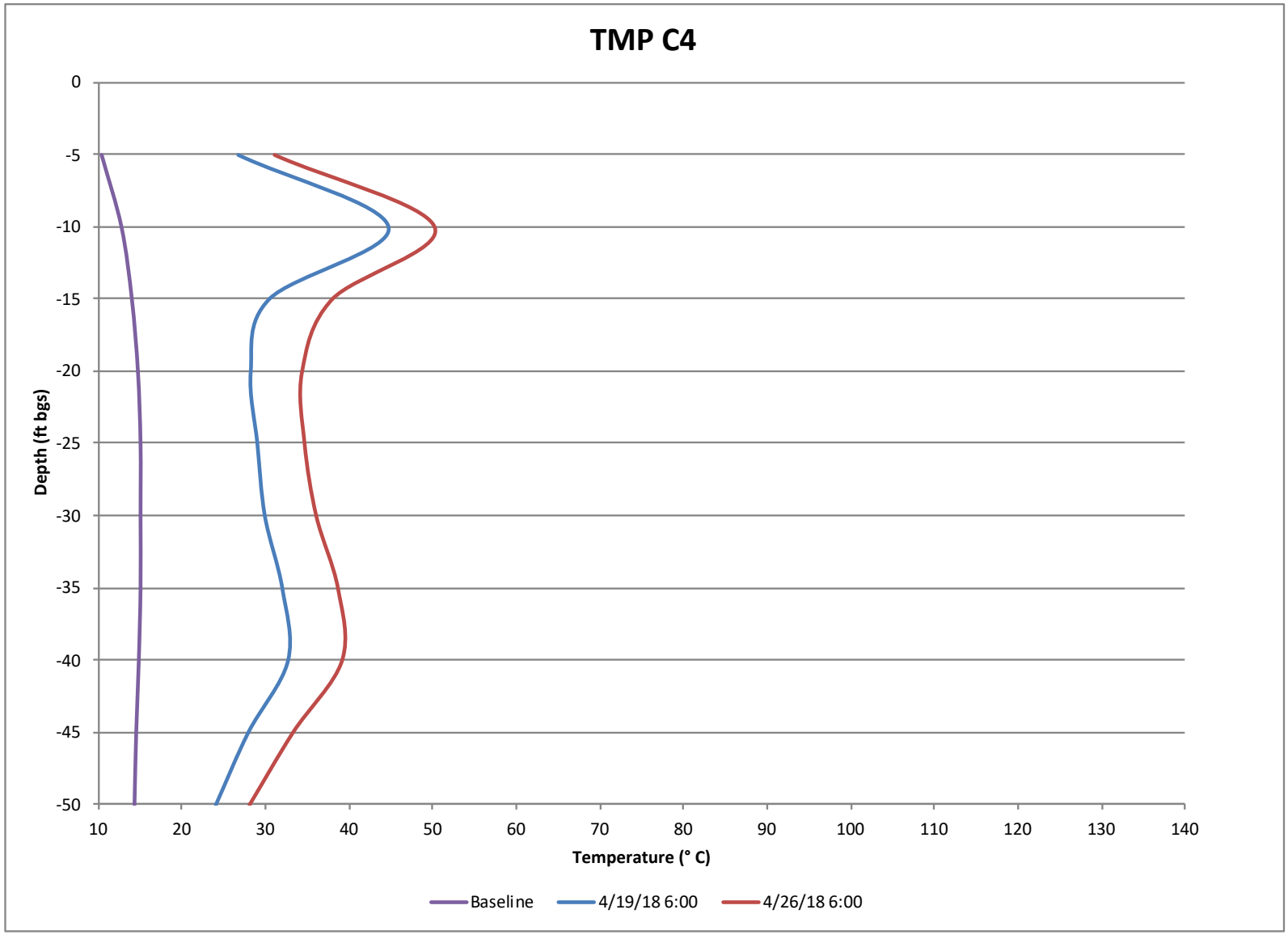


Figure 3b. TMP-C4 Temperature vs. Depth

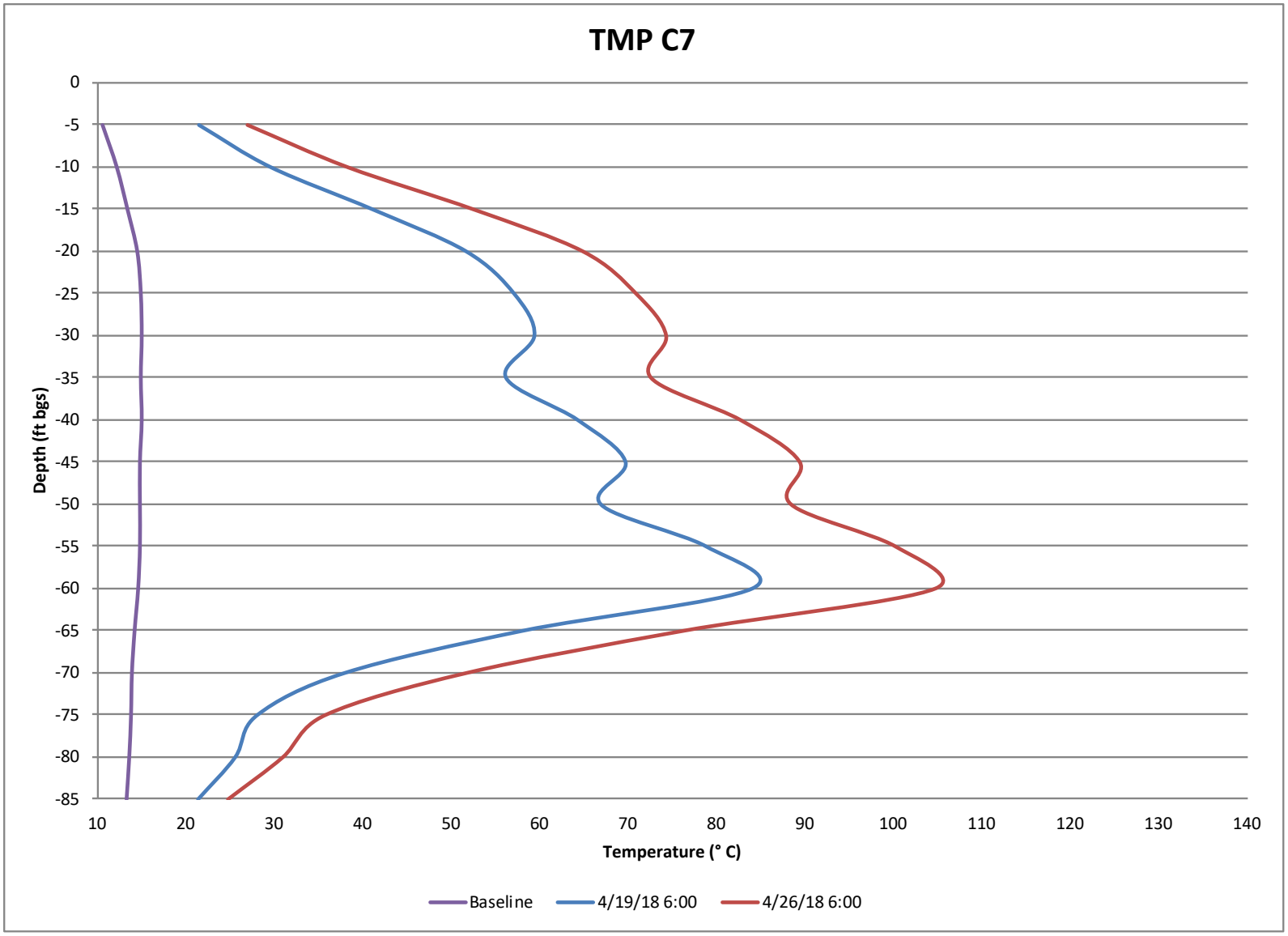


Figure 3b. TMP-C7 Temperature vs. Depth

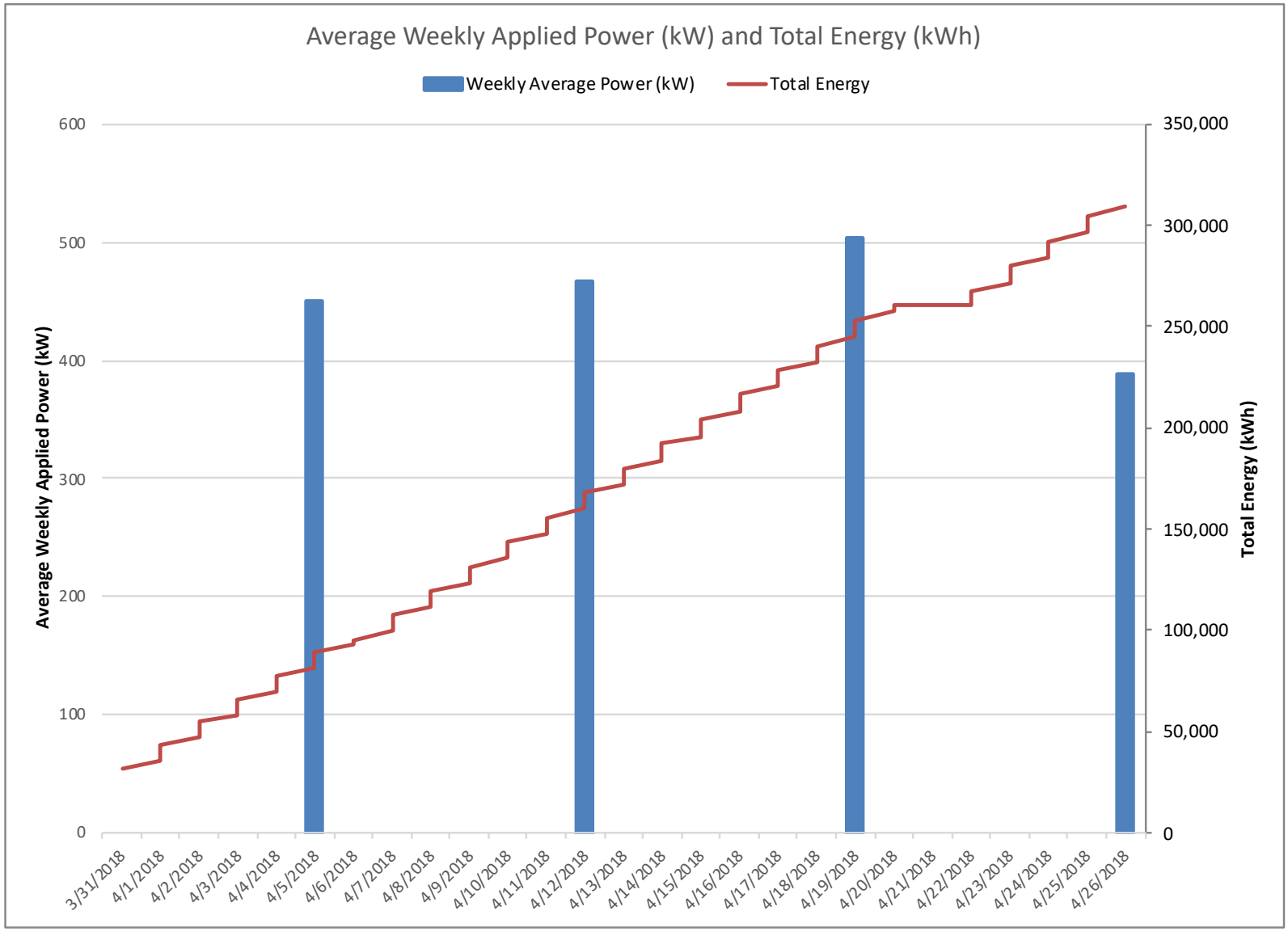


Figure 4. Average Daily Applied Power and Total Energy

May 4, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period April 27-May 3, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending May 3, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	April 26, 2018	May 3, 2018
Average Power (kW)	389	525
Cumulative Energy Applied (kWh)	309,061	397,360
Average Site Subsurface Temperature (°C)	47.7	57.4
Average Condensate Production Rate (gpm)	0.22	0.45
Total Condensate Production (gallons)	4,984	9,565

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization and additional voltage testing. Consolidation of drilling waste is nearly complete and there are now 25 empty drums to be removed from the site and 12 drums requiring disposal (likely 10 by the time Pacific Crest arranges off-site disposal). The electrode wetting (drip) system was also activated on May 3, 2018. Voltage potentials remain within the limits established in the Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no system shutdown longer than one hour. The backup power supply (UPS) that failed during the prior reporting period was replaced on April 27, 2018. Total down

time during the reporting period was approximately 99 minutes with total uptime now 92.3 percent since start-up.

There was one security incident this week at 2:27 AM on the morning of May 2, 2018. An intruder jumped the fence and the motion detection system shut down power to the electrode field. The police were dispatched and the intruder fled before being apprehended. The person dismantled and attempted to steal the SCC-owned barbecue grill that was stored in the ERH restricted zone. No other damage or loss was evident.

Temperatures

The average subsurface temperature in the treatment volume at the end of this reporting period was 57.4 degrees Celsius (°C). This is an average subsurface temperature increase of 43.4 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 1.4 °C per day. The highest individual temperature measurement from within the treatment volume was 122.2 °C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 525 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of April 26, 2018, was 397,366 kilowatt-hours (kWh). This represents approximately 23 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date TRS estimates that 50% design energy will be achieved on June 21, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 15 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 255 standard cubic feet per minute (scfm) and experienced 100% uptime.

Based on photoionization detector (PID) readings, TRS estimates that approximately 0.2 pounds of volatile organic compound (VOC) mass has been removed from the subsurface. Pacific Crest conducted their weekly inspection and sampling of vapor and discharge water on May 2, 2018.

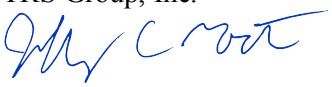
Total condensate production is approximately 9,565 gallons and the production rate is currently 0.45 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that has been pumped into the treatment system through the end of the reporting period.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of May 7, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring, and maintenance activities.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



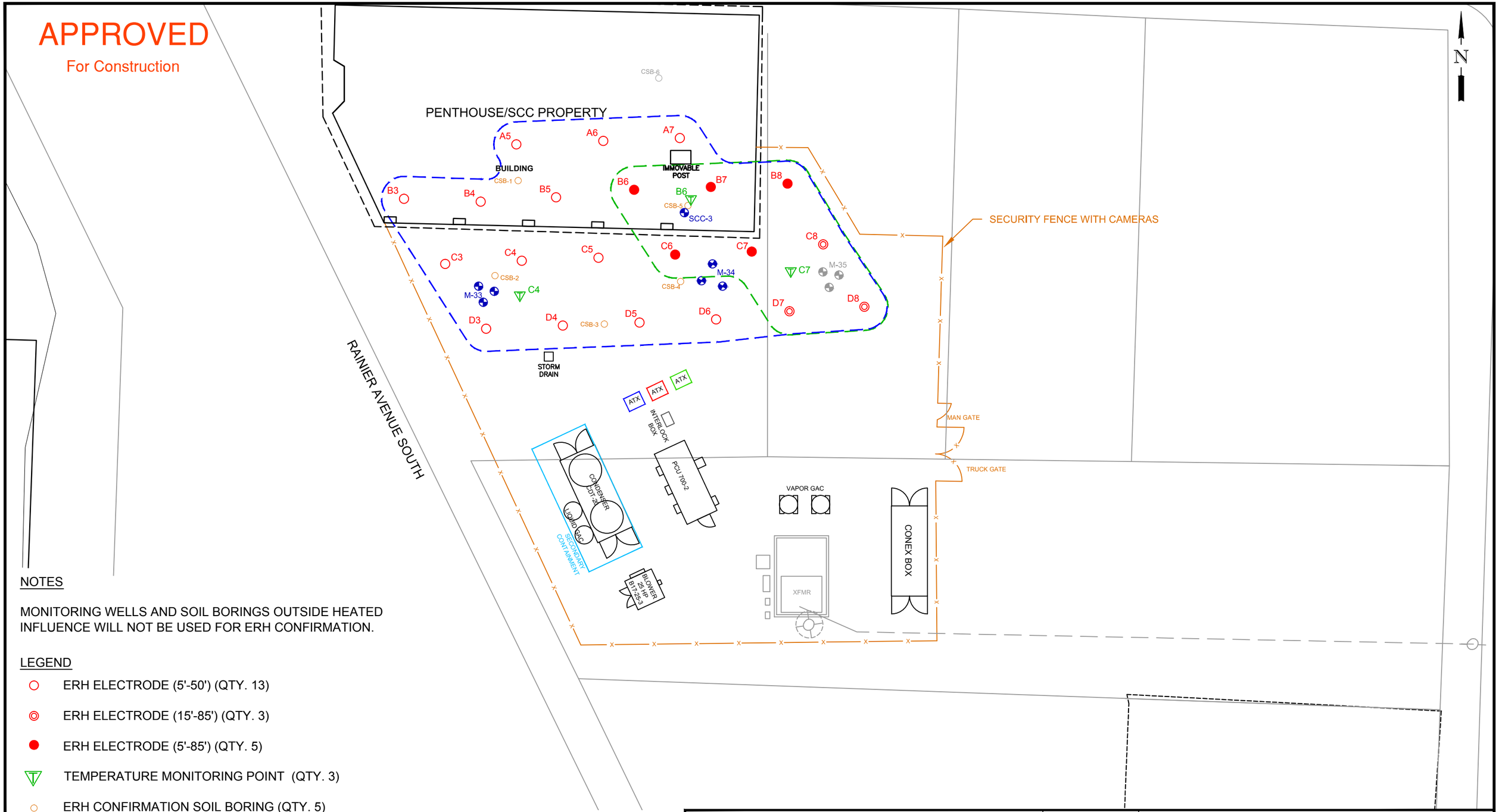
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

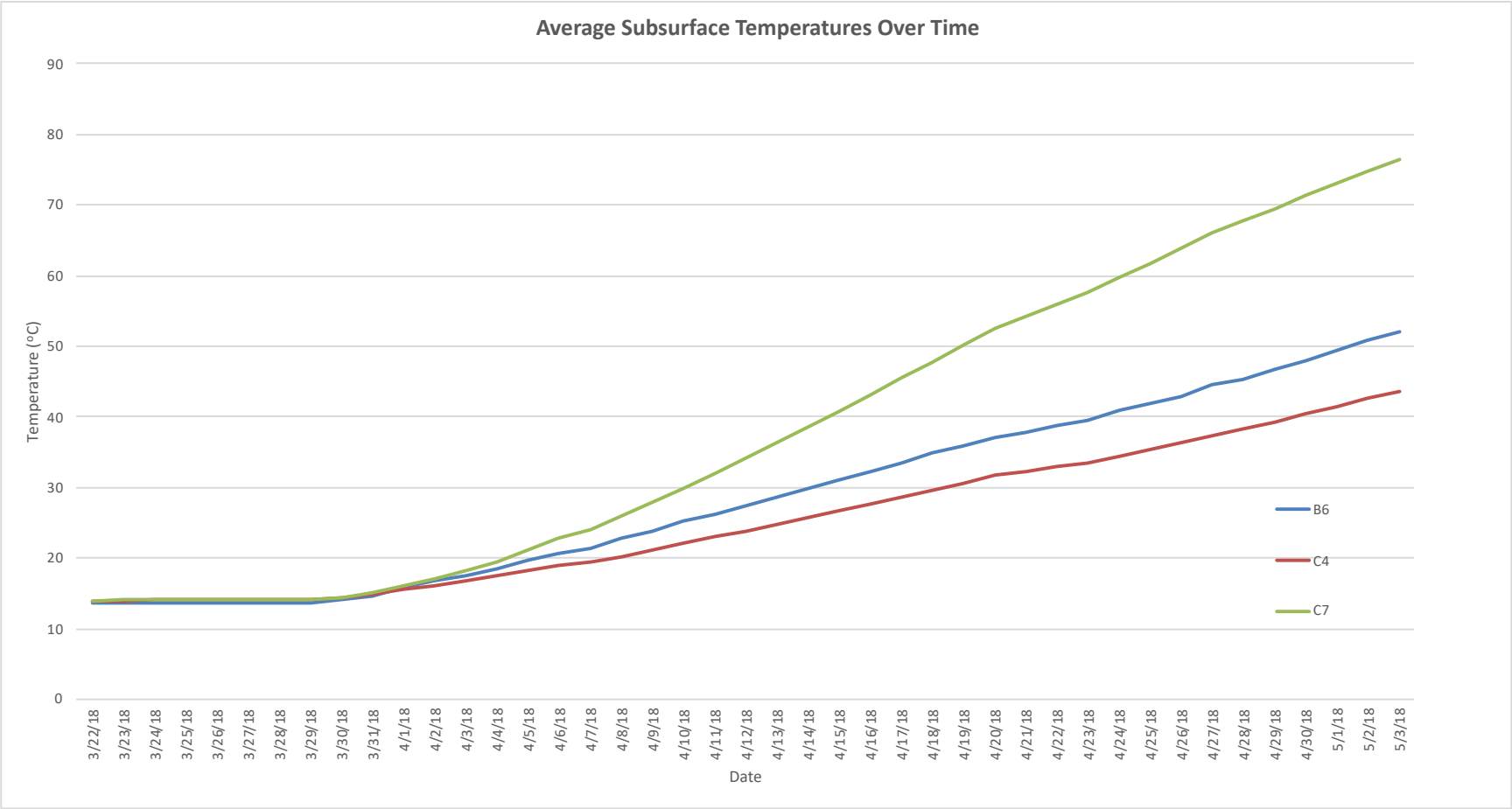


Figure 2. Average Site Subsurface Temperature vs. Time

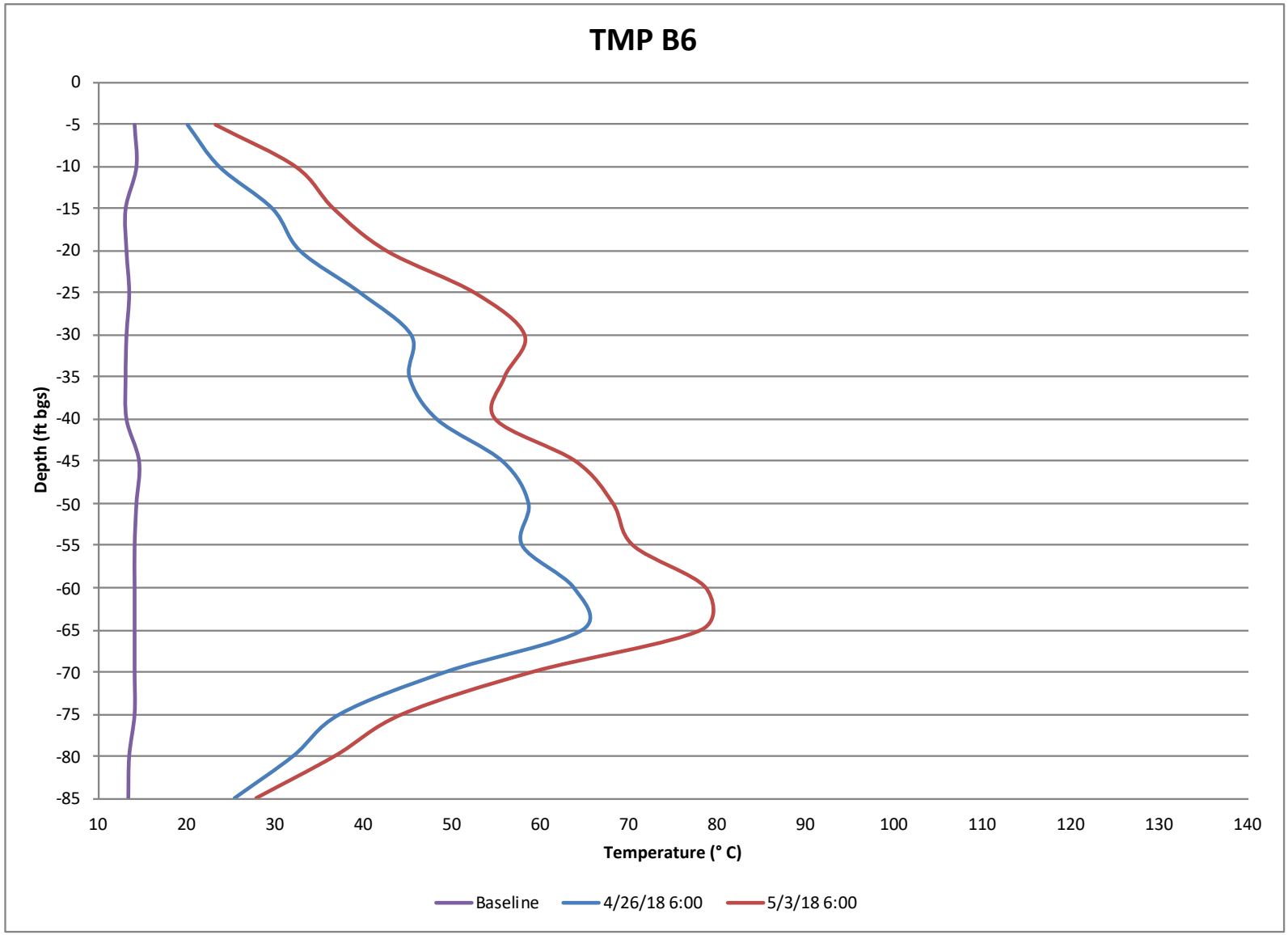


Figure 3a. TMP-B6 Temperature vs. Depth

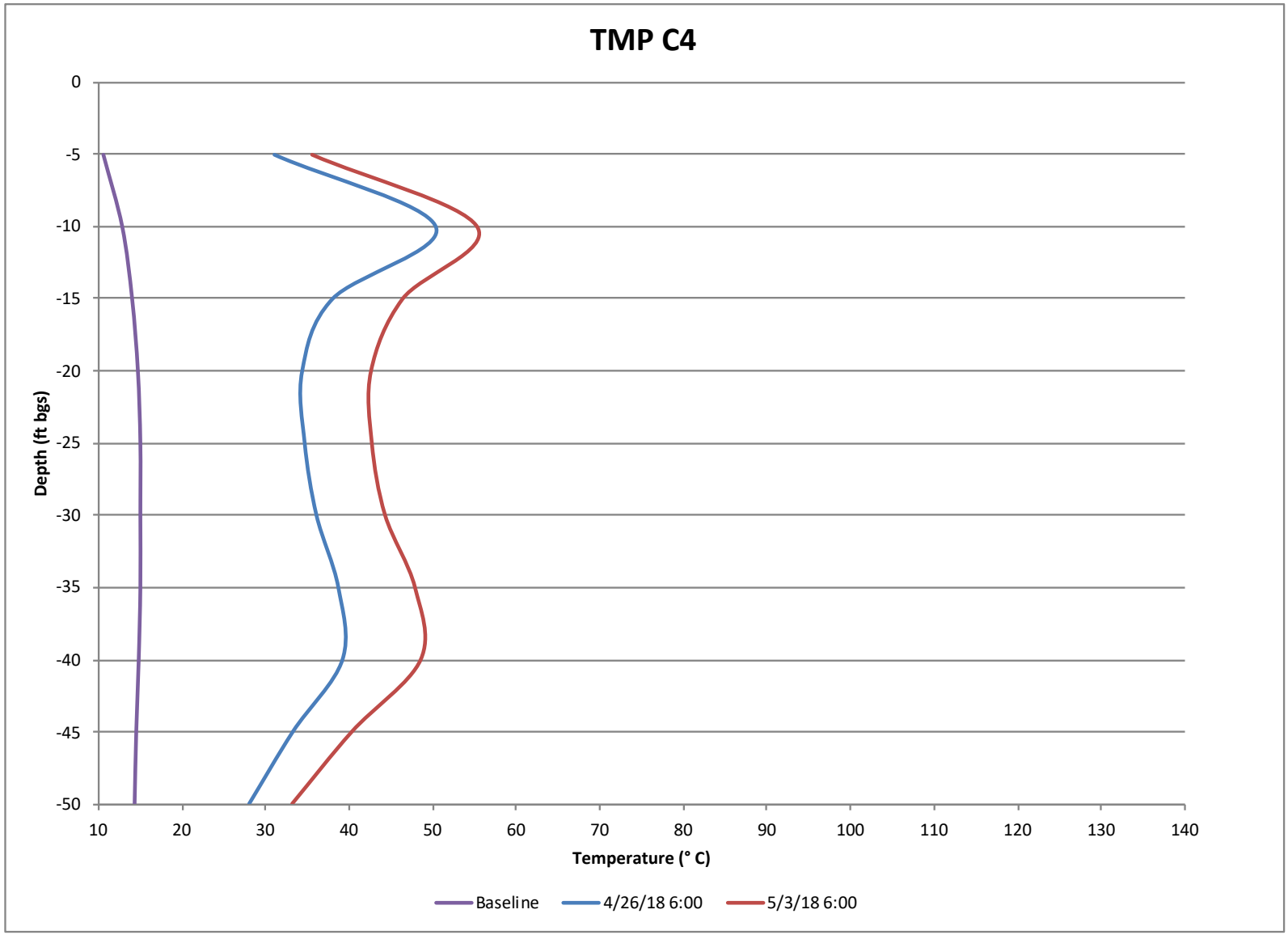


Figure 3b. TMP-C4 Temperature vs. Depth

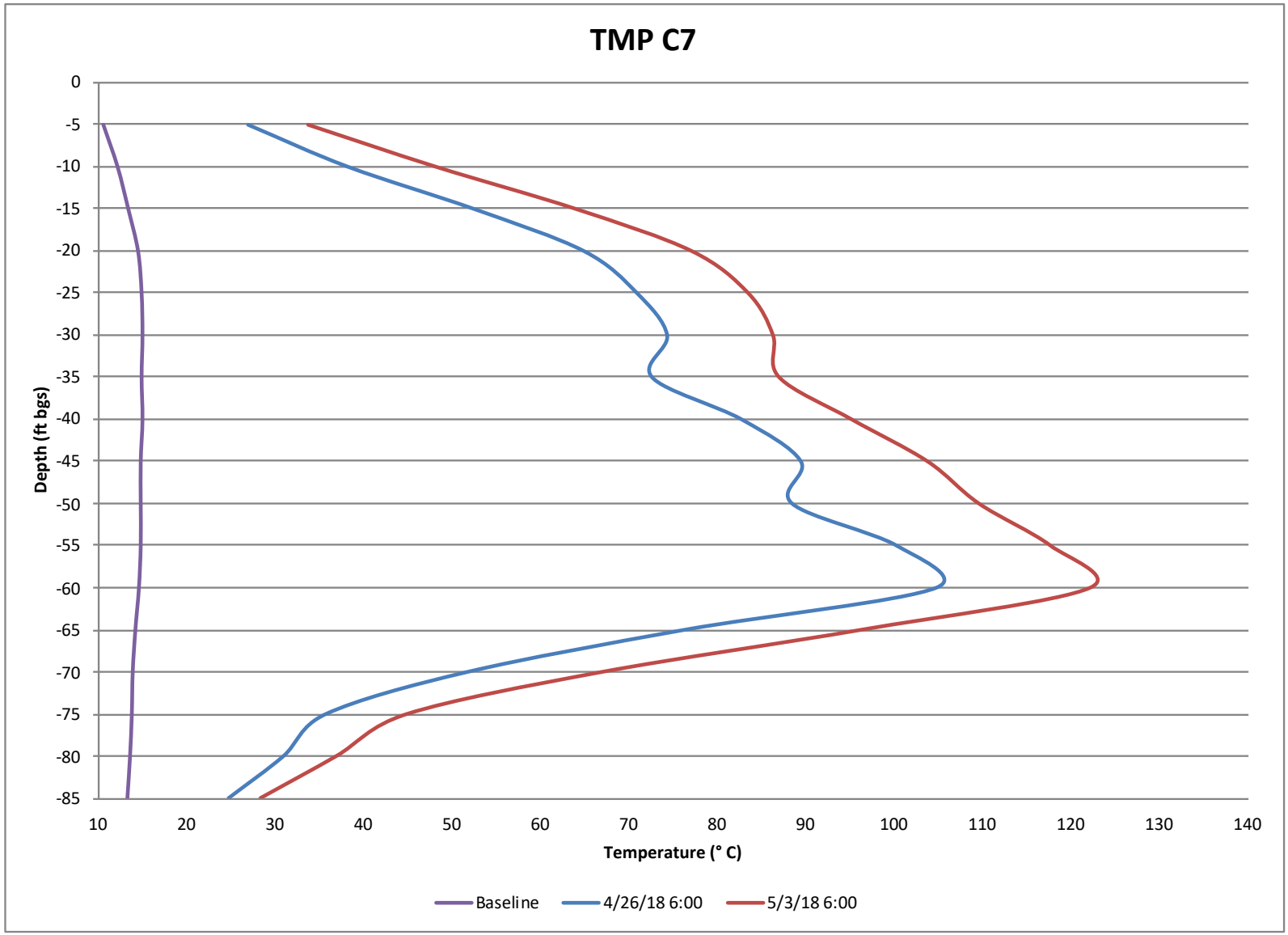


Figure 3b. TMP-C7 Temperature vs. Depth

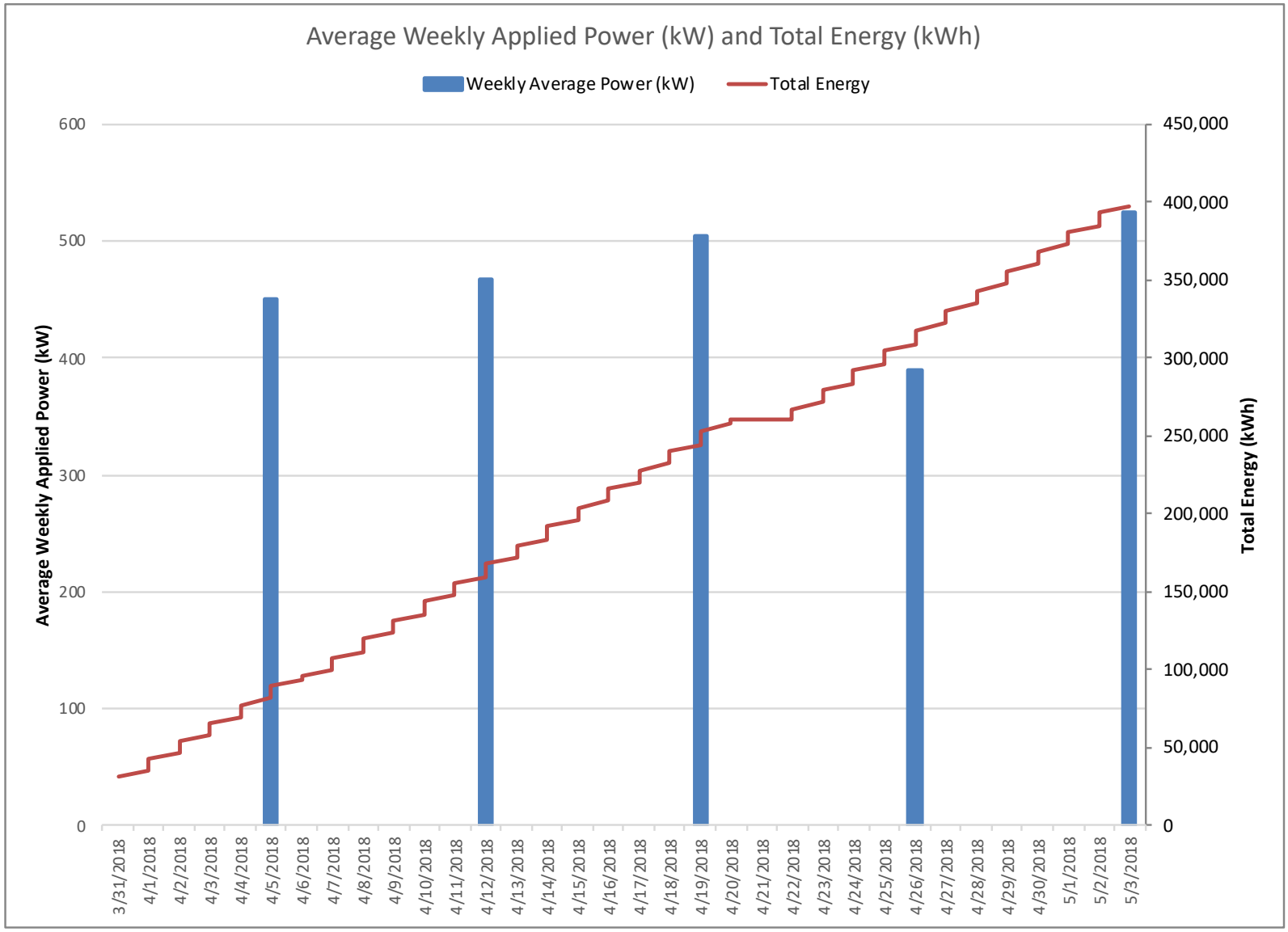


Figure 4. Average Daily Applied Power and Total Energy

May 15, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period May 4 - May 10, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending May 10, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	May 3, 2018	May 10, 2018
Average Power (kW)	525	533
Cumulative Energy Applied (kWh)	397,360	486,944
Average Site Subsurface Temperature (°C)	57.4	67.2
Average Condensate Production Rate (gpm)	0.45	0.61
Total Condensate Production (gallons)	9,565	15,746

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization and additional voltage testing. The electrode wetting (drip) system was also activated on May 3, 2018.

There was one voltage issue identified that was above the limits established in the Health and Safety Plan and the Seattle Collison Center (SCC) Agreement. On the afternoon of May 7, 2018, an SCC employee experienced a mild shock. She alerted TRS personnel and TRS immediately began an investigation. Upon extensive testing, the issue was identified to be a step-and-touch concern between the motor housing of the bench grinder and the nearby water line along the east interior wall of the shop. The bench grinder is bolted to a steel pedestal which is bolted to the floor. The grinder was

taken out of service and bagged to eliminate the touch potential. After consulting with the owner of SCC (Todd Sullivan), the bench grinder was replaced with a new, grounded unit and the hazard has been mitigated.

During the reporting period, there was no system shutdown longer than one hour. Total down time during the reporting period was approximately 85 minutes with total uptime of 93 percent since start-up. There were also no security related incidents during the reporting period.

Temperatures

The average subsurface temperature in the treatment volume at the end of this reporting period was 67.2 degrees Celsius (°C). This is an average subsurface temperature increase of 53.2 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 1.4 °C per day. The highest individual temperature measurement from within the treatment volume was 128.4 °C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 533 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of May 10, 2018, was 486,944 kilowatt-hours (kWh). This represents approximately 28 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date TRS estimates that 50% design energy will be achieved on June 28, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 22 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 255 standard cubic feet per minute (scfm) and experienced 100% uptime.

Based on photoionization detector (PID) readings, TRS estimates that approximately 0.2 pounds of volatile organic compound (VOC) mass has been removed from the subsurface. The first round of monthly vapor sampling by Pacific Crest will be integrated into the mass calculation in the next weekly report. Pacific Crest conducted their weekly inspection and sampling of vapor and discharge water on May 9, 2018.

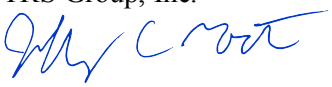
Total condensate production is approximately 9,565 gallons and the production rate is currently 0.61 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that has been pumped into the treatment system through the end of the reporting period.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of May 14, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring, and maintenance activities.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



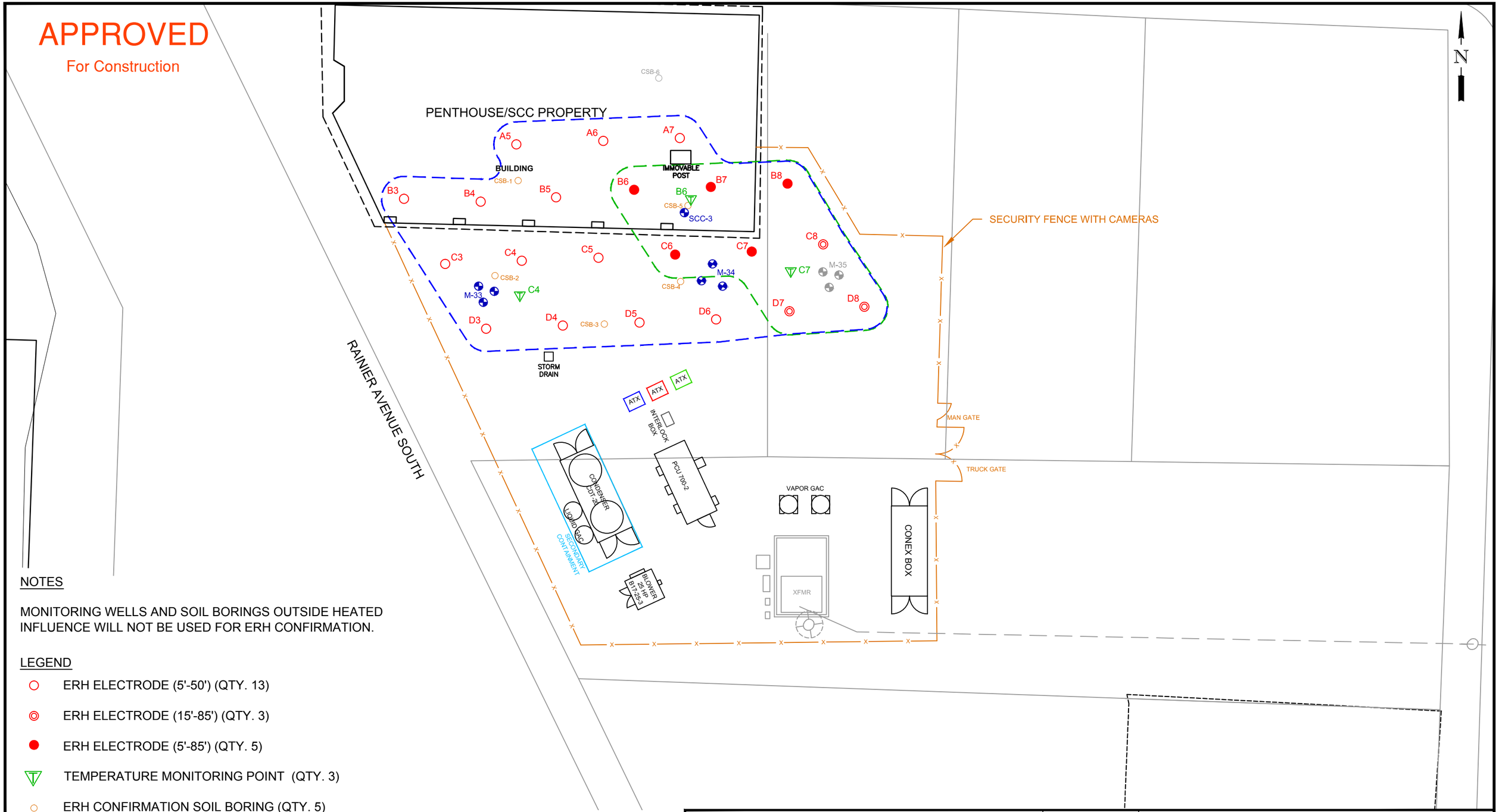
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

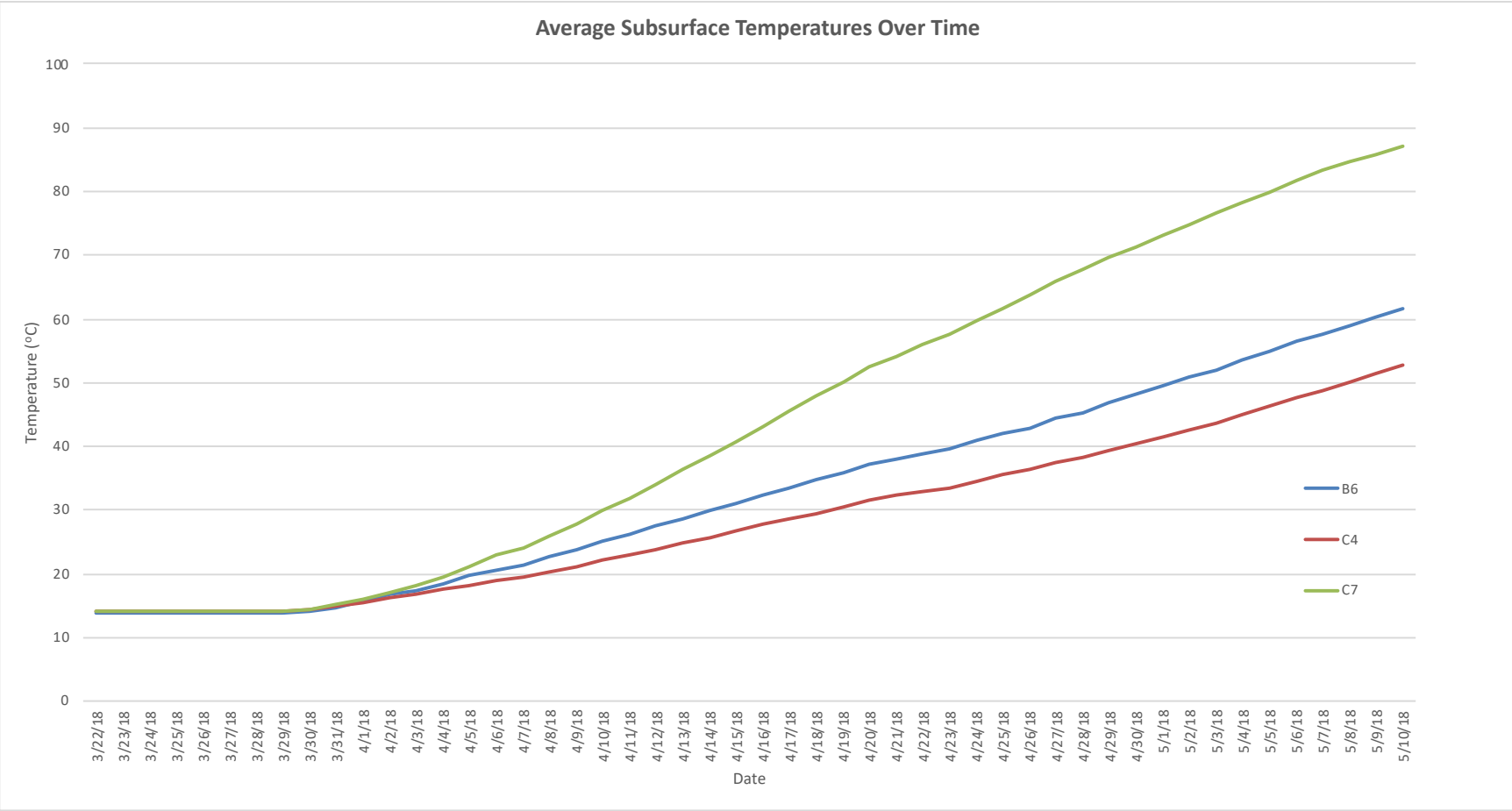


Figure 2. Average Site Subsurface Temperature vs. Time

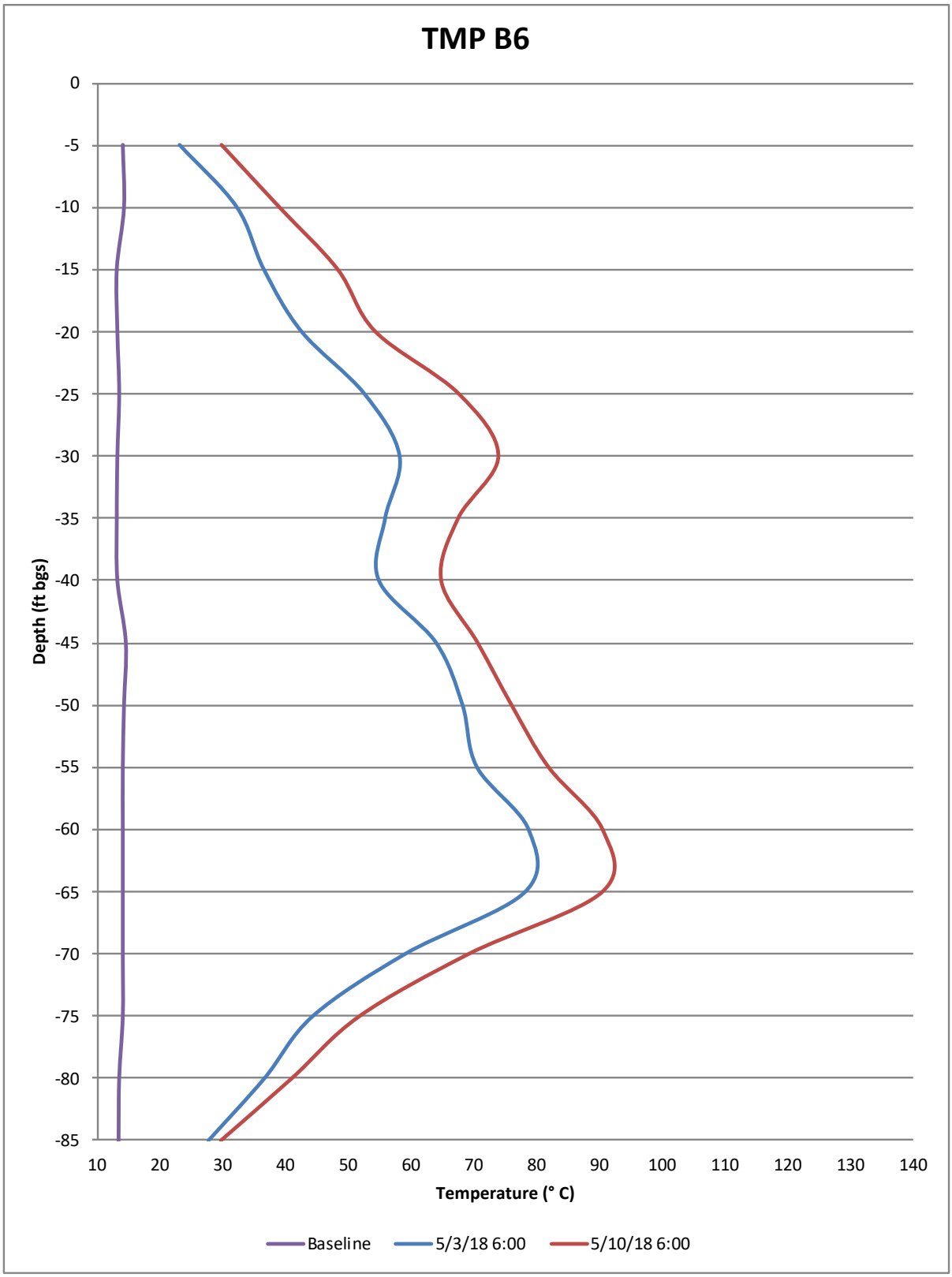


Figure 3a. TMP-B6 Temperature vs. Depth

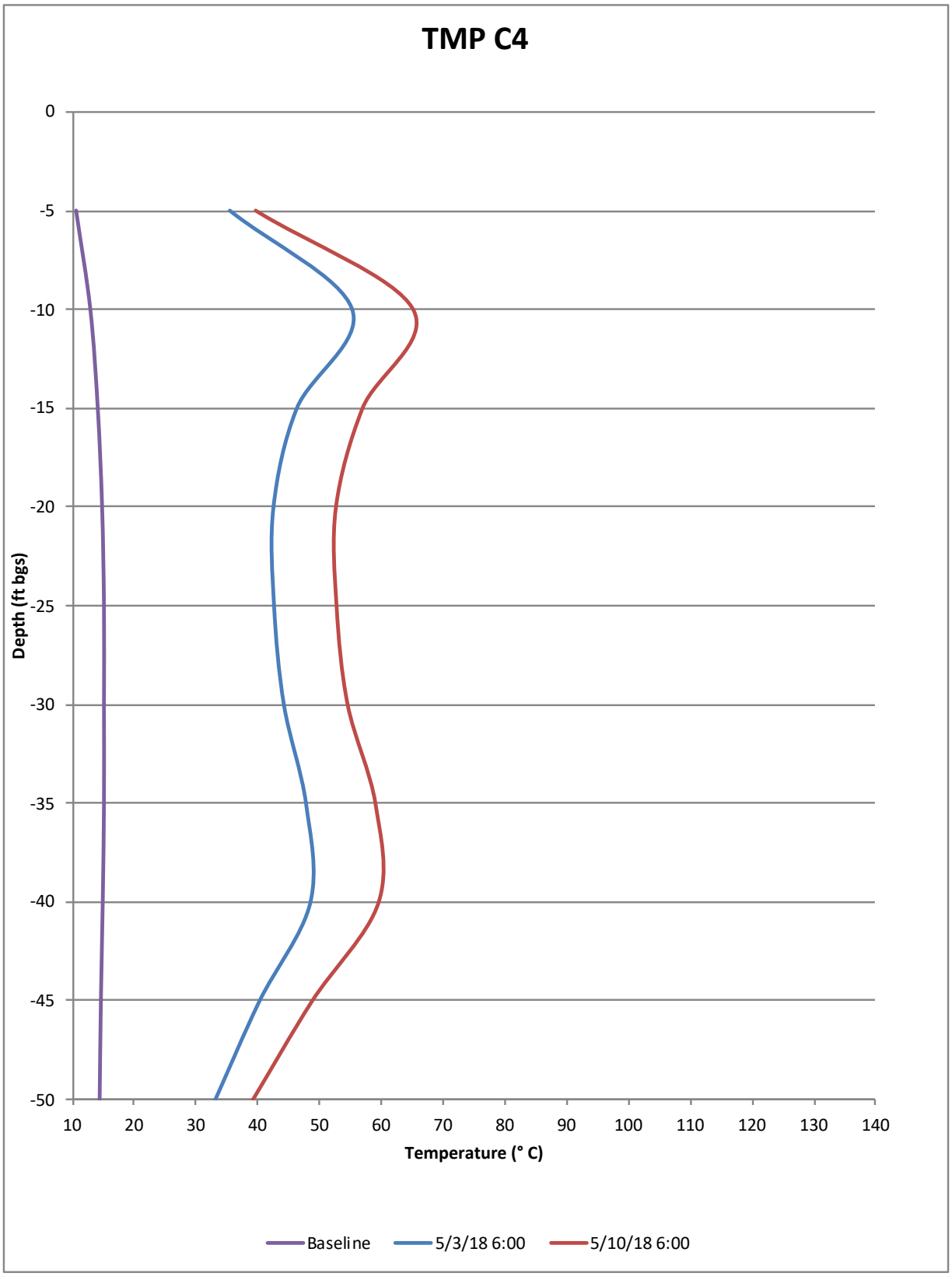


Figure 3b. TMP-C4 Temperature vs. Depth

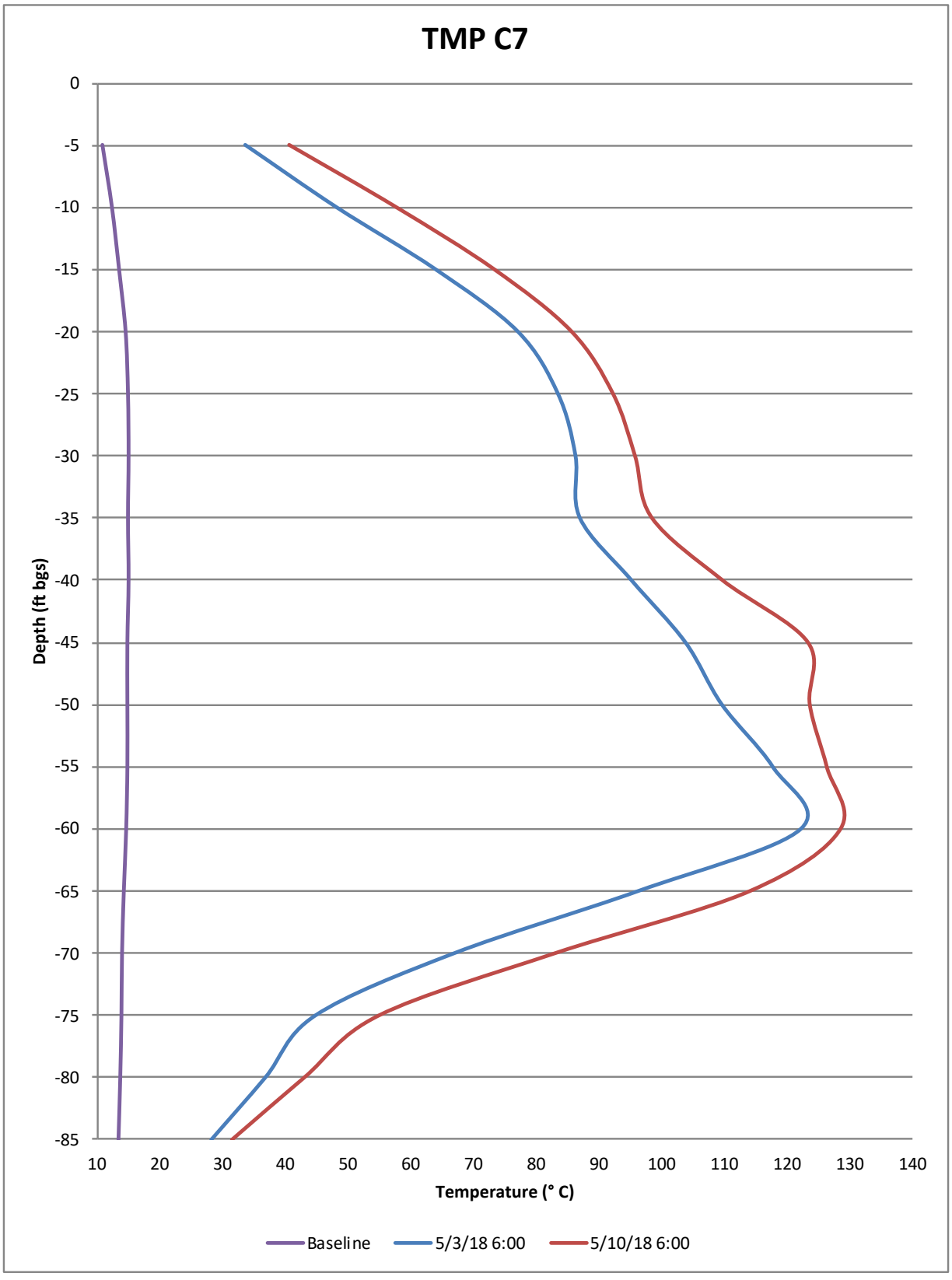


Figure 3b. TMP-C7 Temperature vs. Depth

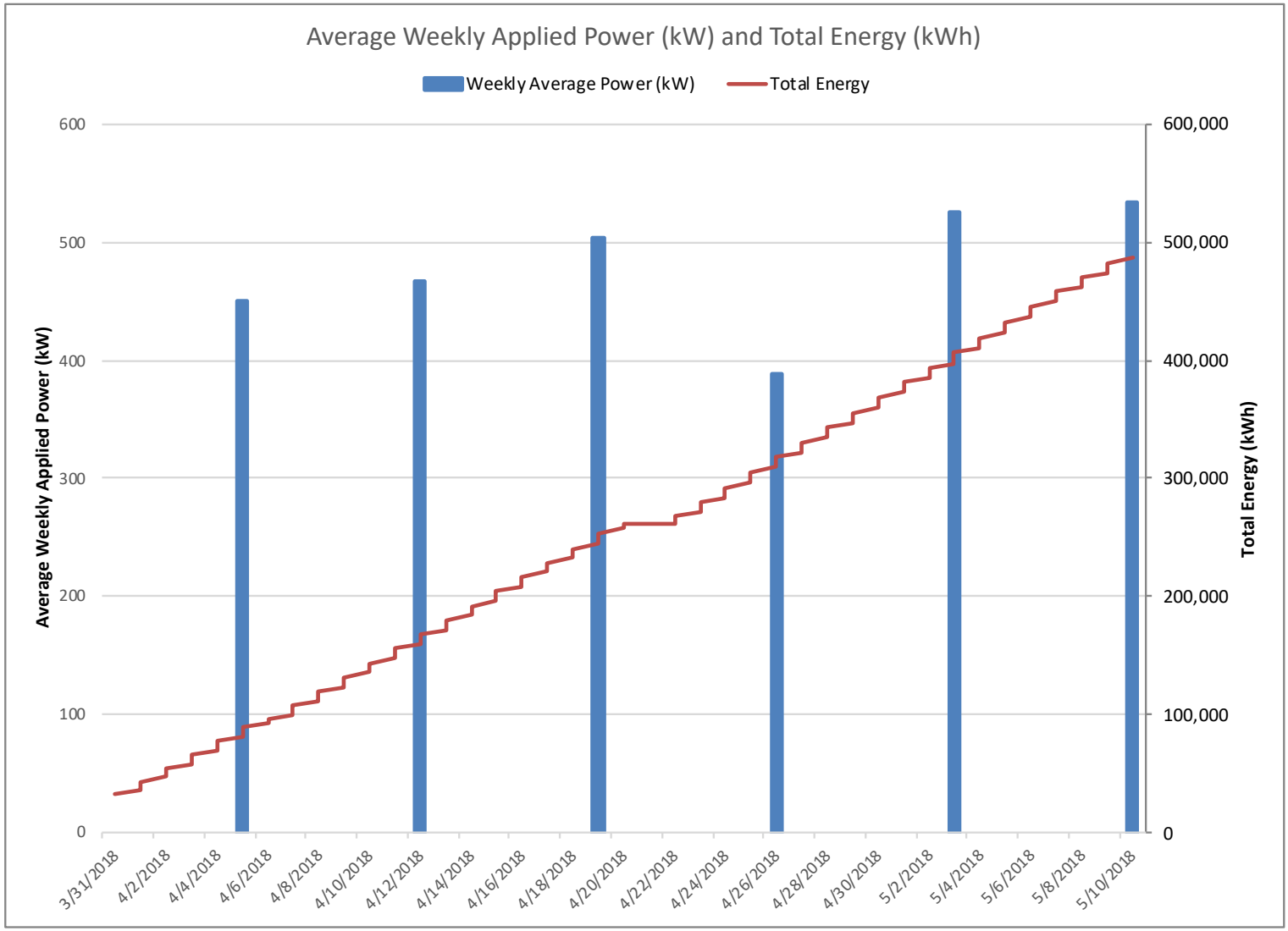


Figure 4. Average Daily Applied Power and Total Energy

May 15, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period May 10 - May 17, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending May 17, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	May 10, 2018	May 17, 2018
Average Power (kW)	533	514
Cumulative Energy Applied (kWh)	486,944	573,050
Average Site Subsurface Temperature (°C)	67.2	75.3
Average Condensate Production Rate (gpm)	0.61	0.71
Total Condensate Production (gallons)	15,746	22,890

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization and voltage testing. Consolidation of drilling waste is 100% complete. Twenty-eight empty drums will be removed from the site next week and Pacific Crest is arranging disposal of nine drums of waste. No voltage potentials were identified outside of the limits established in the Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no system shutdown longer than one hour. Total down time during the reporting period was approximately 88 minutes with total uptime of 94 percent since start-up. There were no security related incidents during the reporting period.

Temperatures

The average subsurface temperature in the treatment volume at the end of this reporting period was 75.3 degrees Celsius (°C). This is an average subsurface temperature increase of 61.3 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 1.2 °C per day. The highest individual temperature measurement from within the treatment volume was 128.3 °C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 514 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of May 17, 2018, was 573,050 kilowatt-hours (kWh). This represents approximately 33% of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date TRS estimates that 50% design energy will be achieved on July 5, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 22 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 255 standard cubic feet per minute (scfm) and experienced 100% uptime.

Based on photoionization detector (PID) readings, TRS estimates that approximately 0.3 pounds of volatile organic compound (VOC) mass has been removed from the subsurface. Pacific Crest conducted their weekly inspection on May 16, 2018.

Total condensate production is approximately 22,890 gallons and the production rate is currently 0.71 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that has been pumped into the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of May 21, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring, and maintenance activities.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

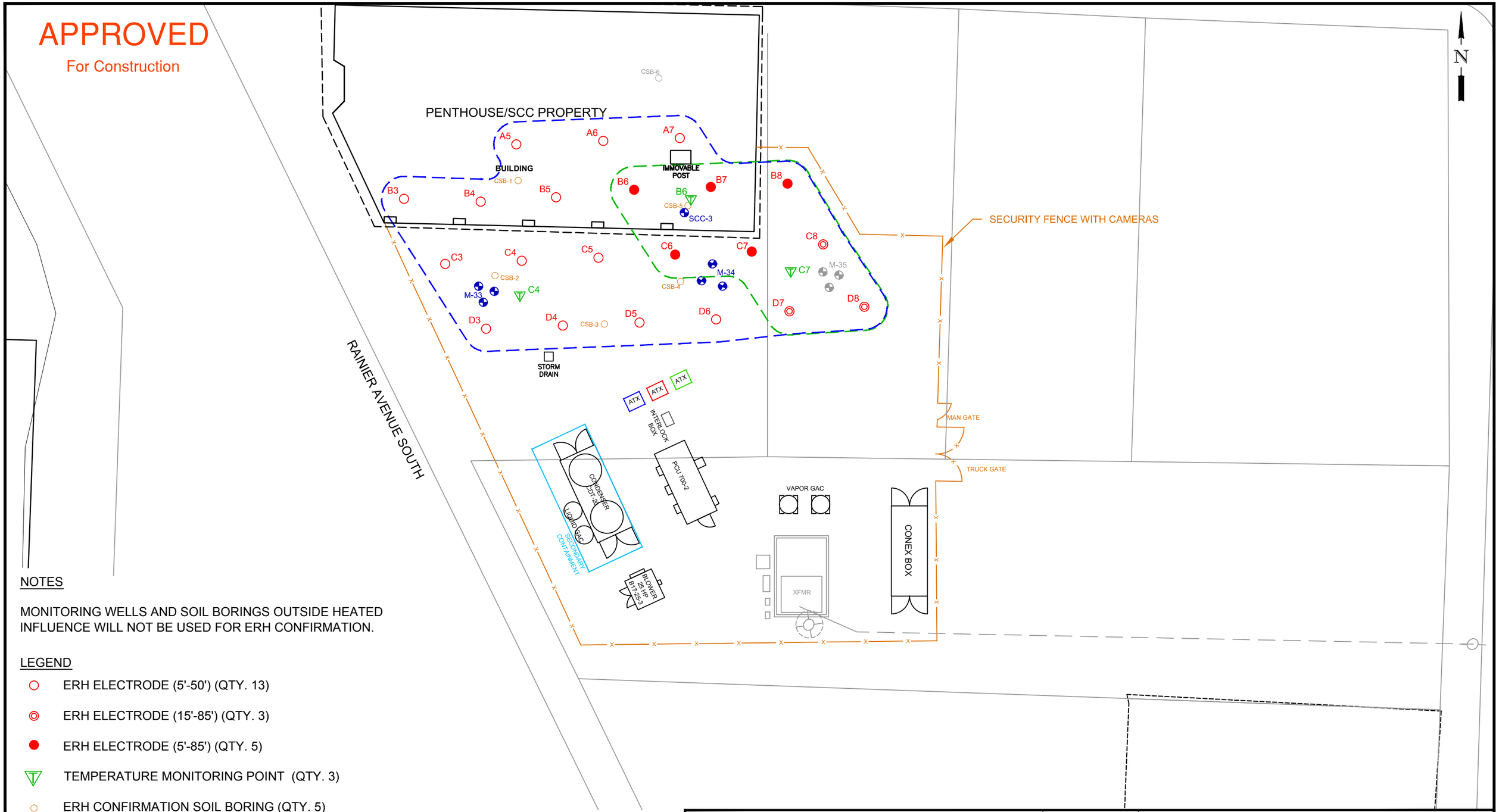
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

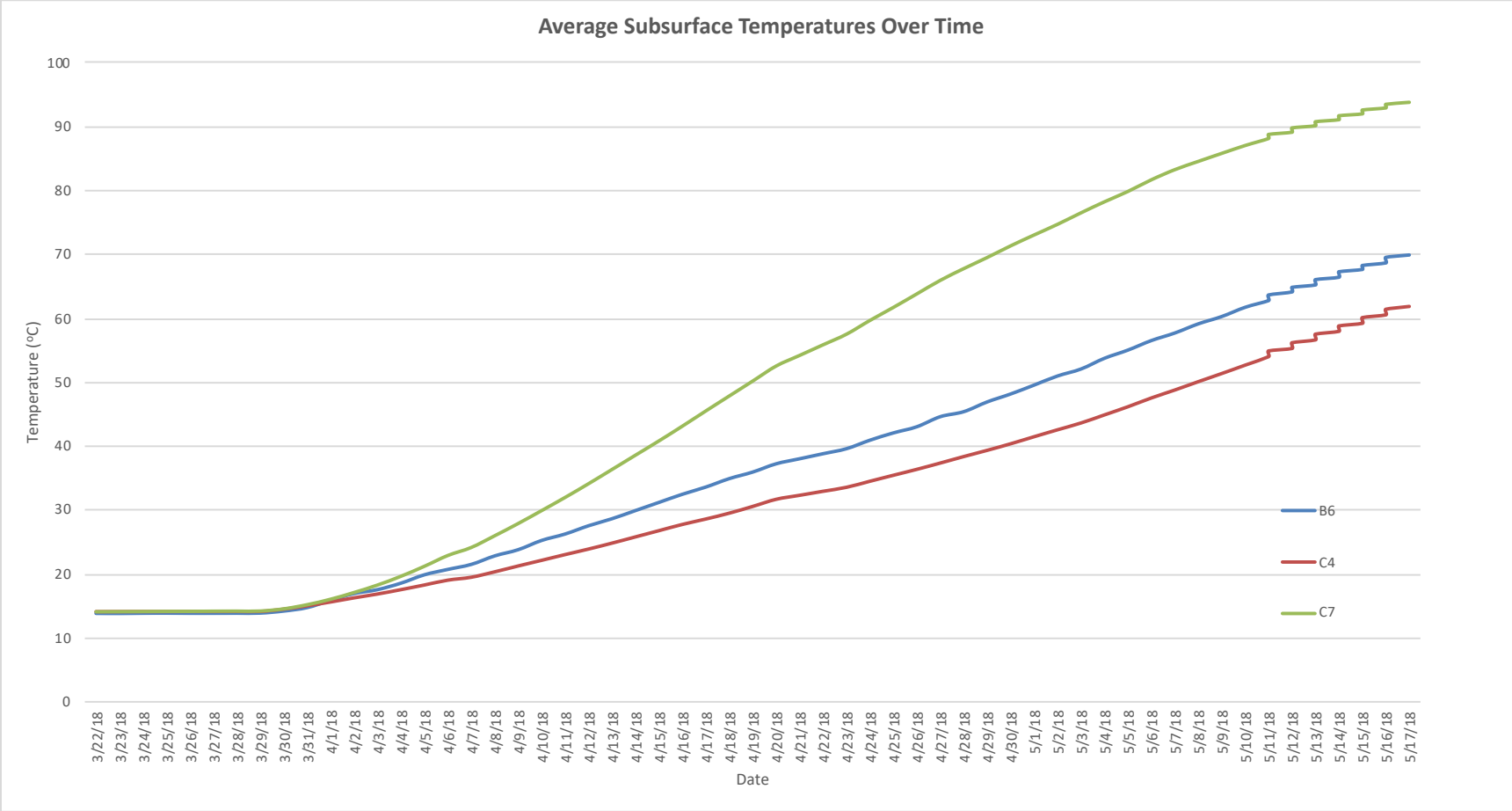
BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1



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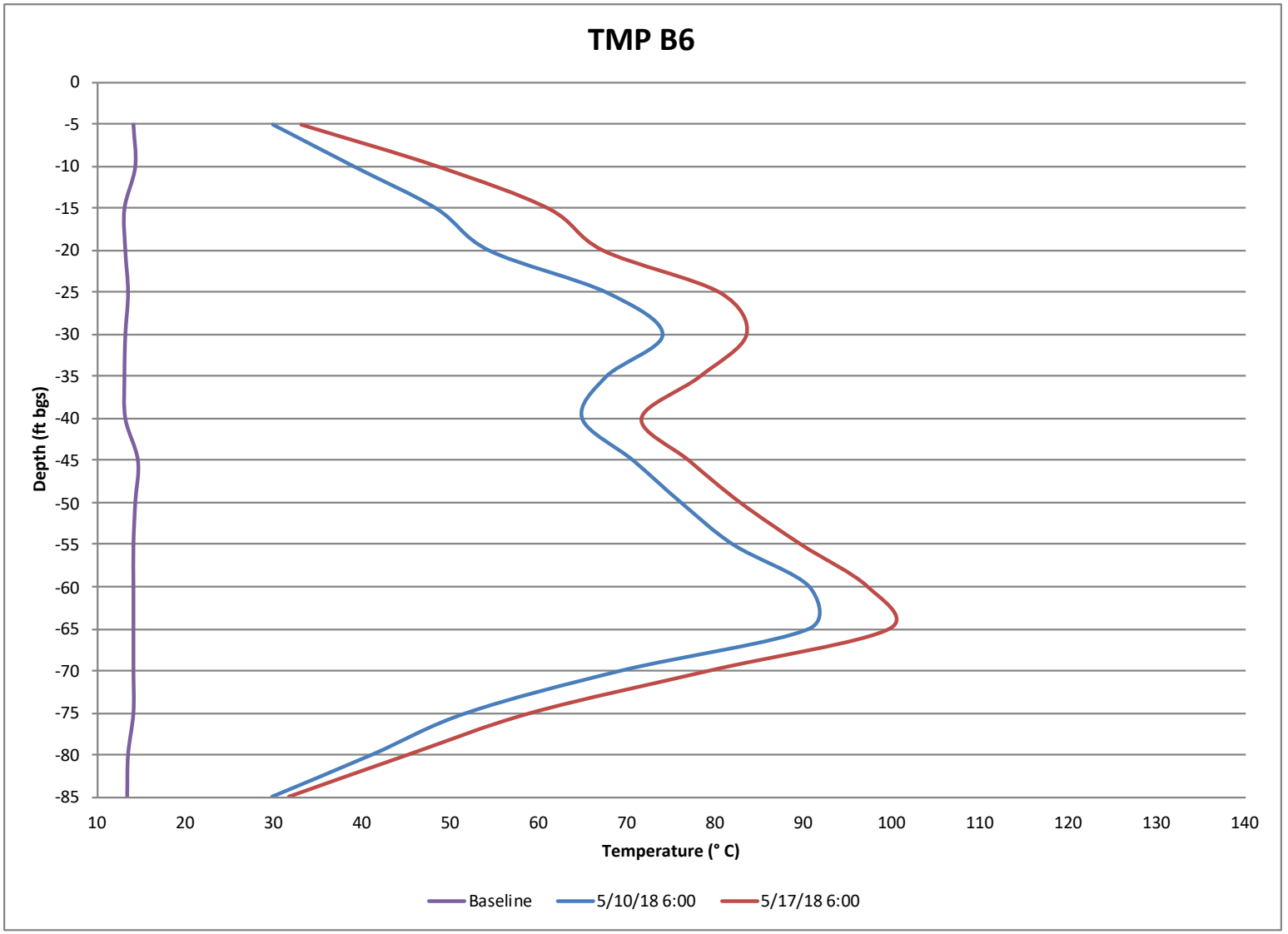


Figure 3a. TMP-B6 Temperature vs. Depth

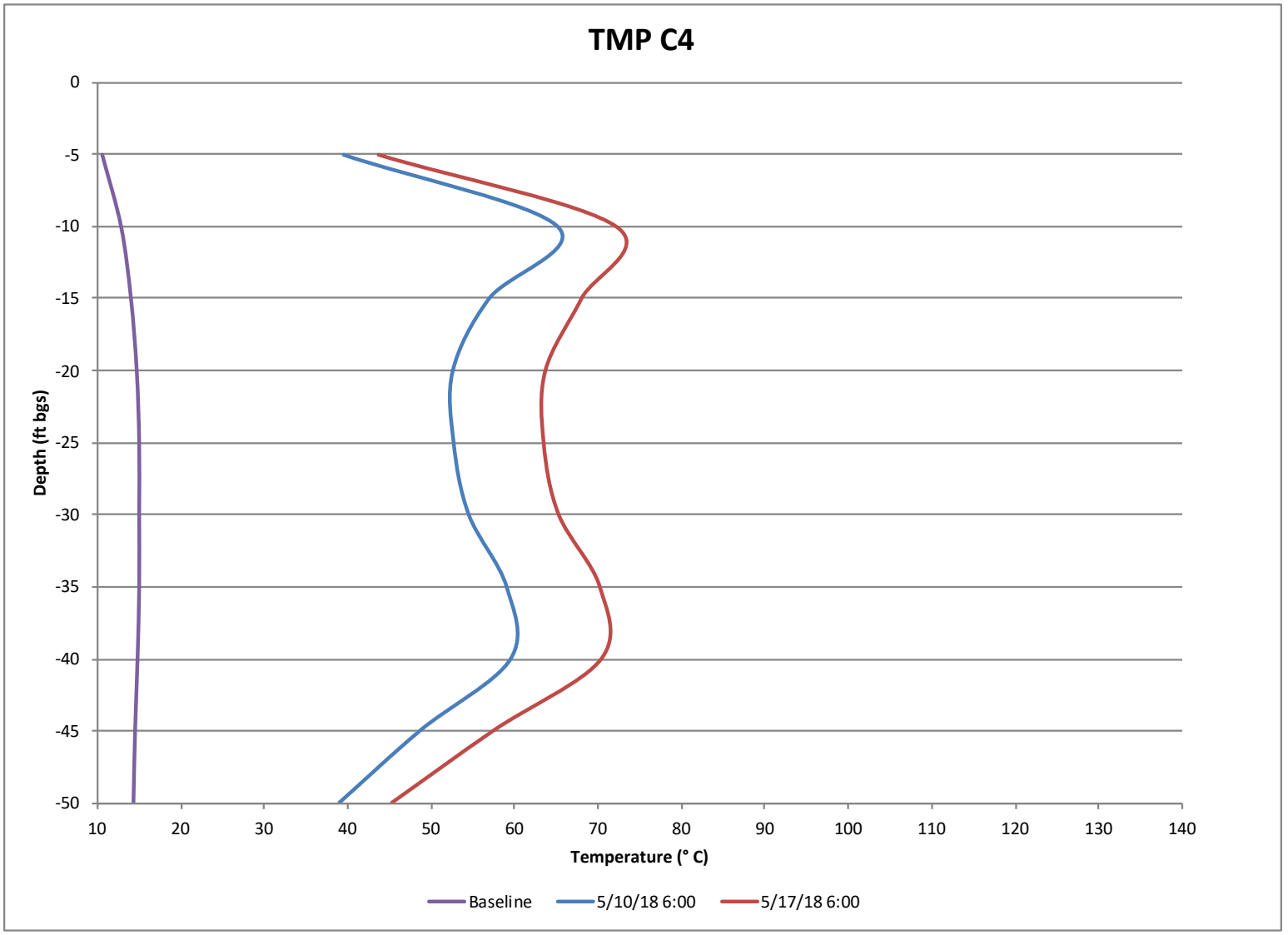


Figure 3b. TMP-C4 Temperature vs. Depth

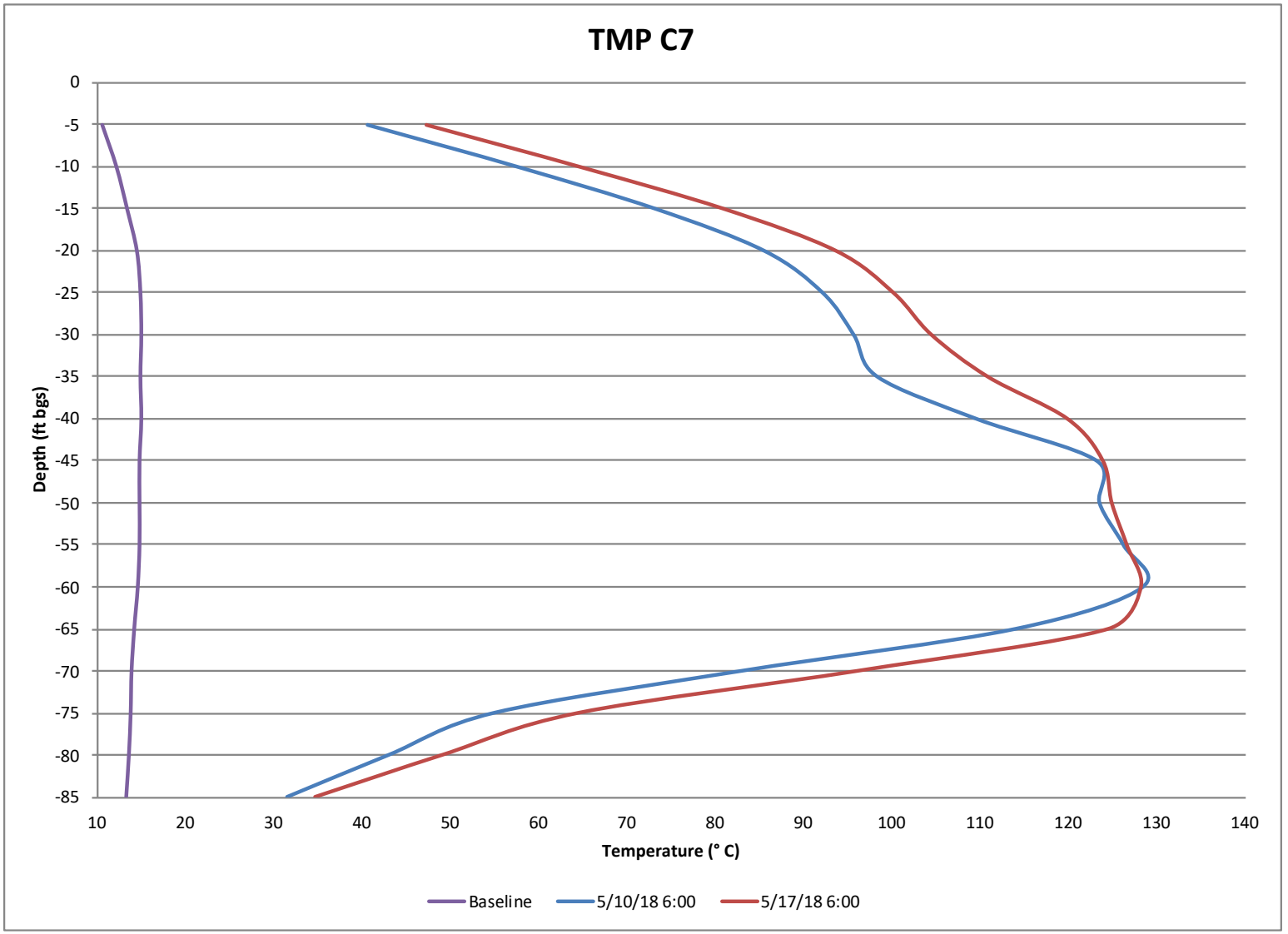


Figure 3b. TMP-C7 Temperature vs. Depth

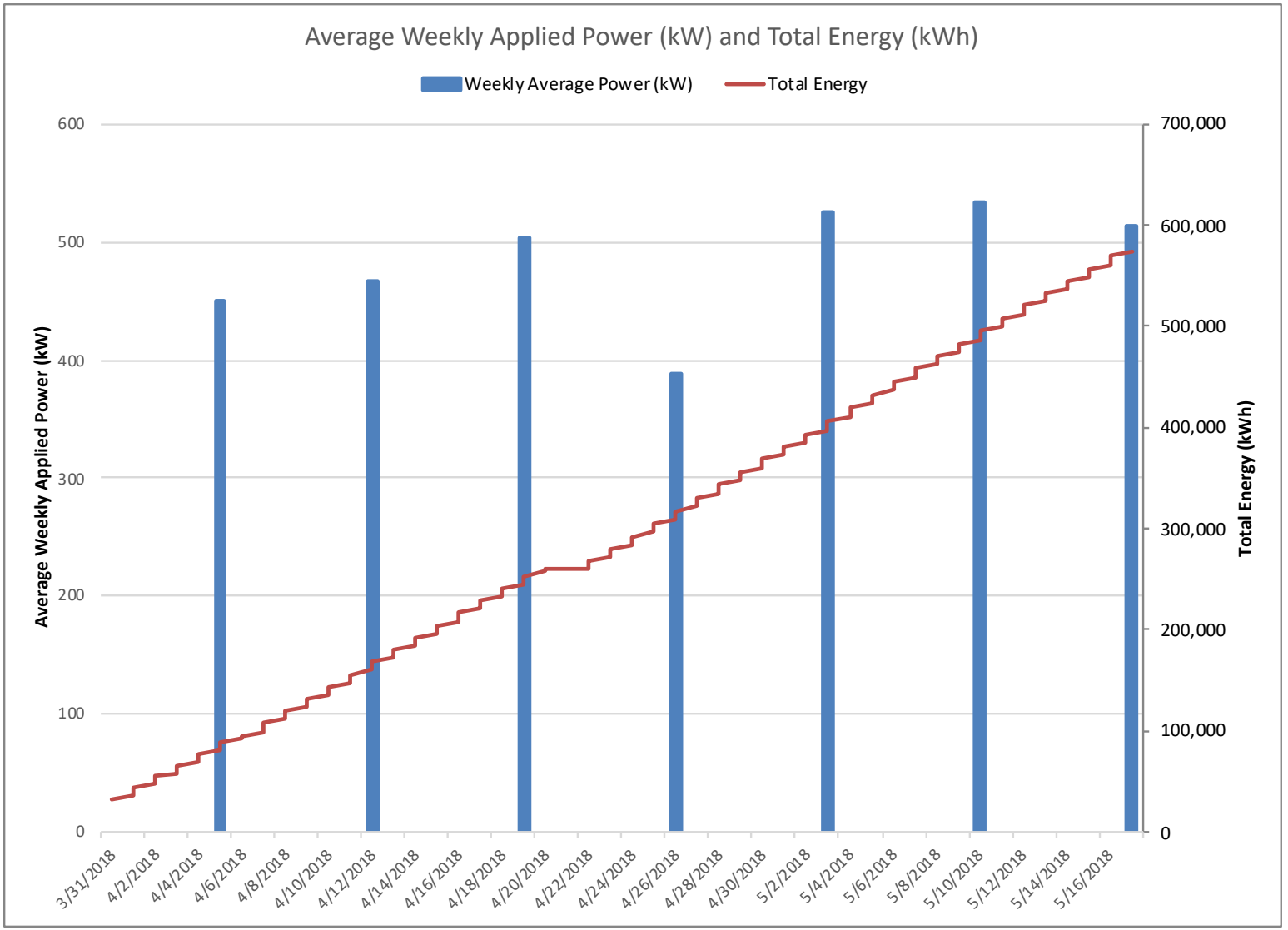


Figure 4. Average Daily Applied Power and Total Energy

May 25, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period May 18 - May 24, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending May 24, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	May 17, 2018	May 24, 2018
Average Power (kW)	514	504
Cumulative Energy Applied (kWh)	573,050	657,754
Average Site Subsurface Temperature (°C)	75.3	82.8
Average Condensate Production Rate (gpm)	0.71	0.80
Total Condensate Production (gallons)	22,890	30,961

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was not a system shutdown longer than one hour in duration. Total down time during the reporting period was approximately 113 minutes with total uptime of 95 percent since start-up.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of this reporting period was 82.8 degrees Celsius (°C). This is an average subsurface temperature increase of 68.8 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 1.1°C per day. The highest individual temperature measurement from within the treatment volume was 128.6°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 504 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of May 24, 2018, was 657,754 kilowatt-hours (kWh). This represents approximately 38 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date, TRS estimates that application of 50 percent of the total design energy will be achieved on July 12, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 22 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 255 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings, TRS estimates that approximately 0.4 pounds of volatile organic compound (VOC) mass has been removed from the subsurface. Pacific Crest conducted their weekly inspection on May 23, 2018.

Total condensate production is approximately 22,890 gallons and the production rate is currently 0.80 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that has been pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of May 28, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring and maintenance activities.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

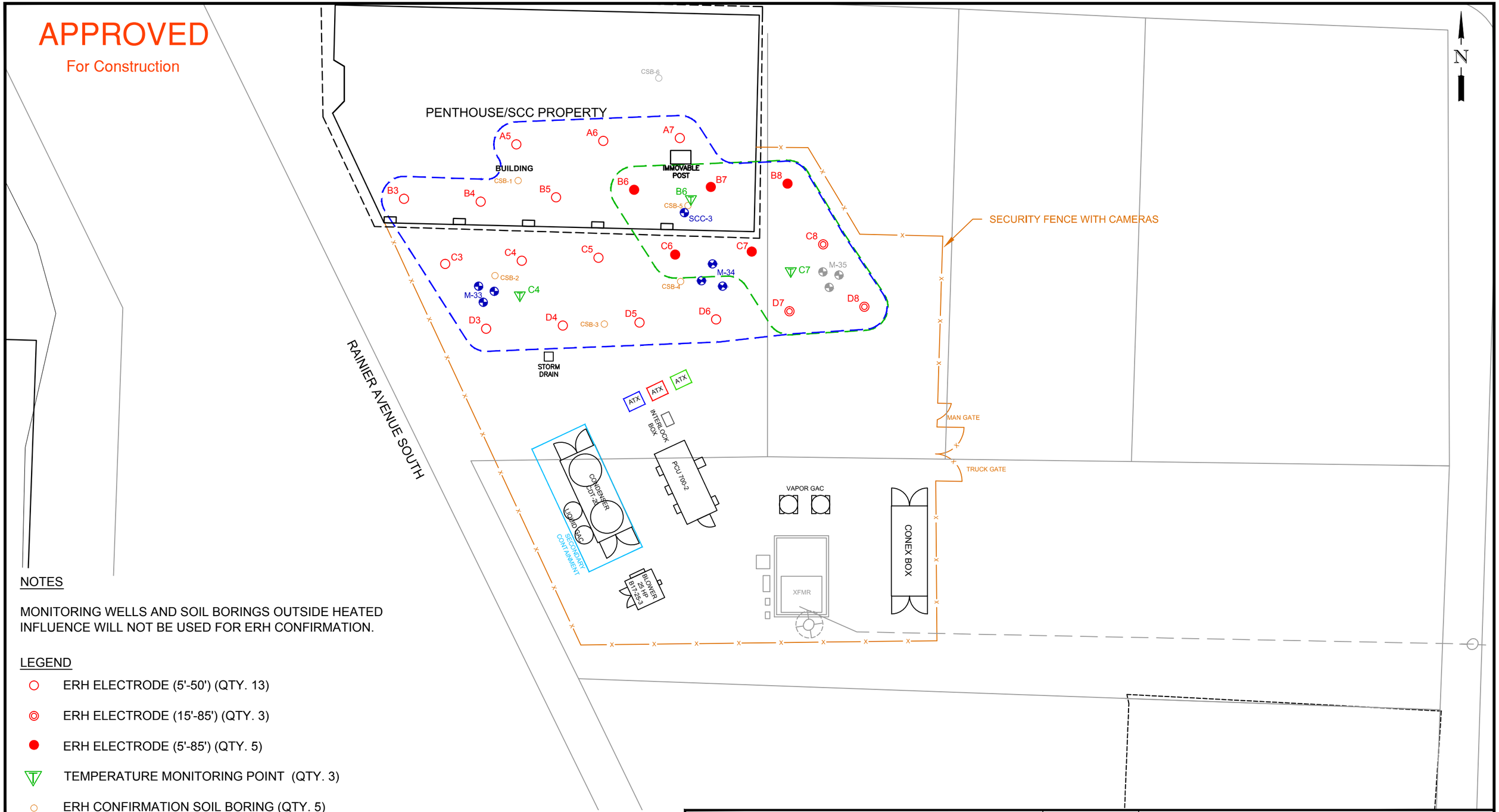
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

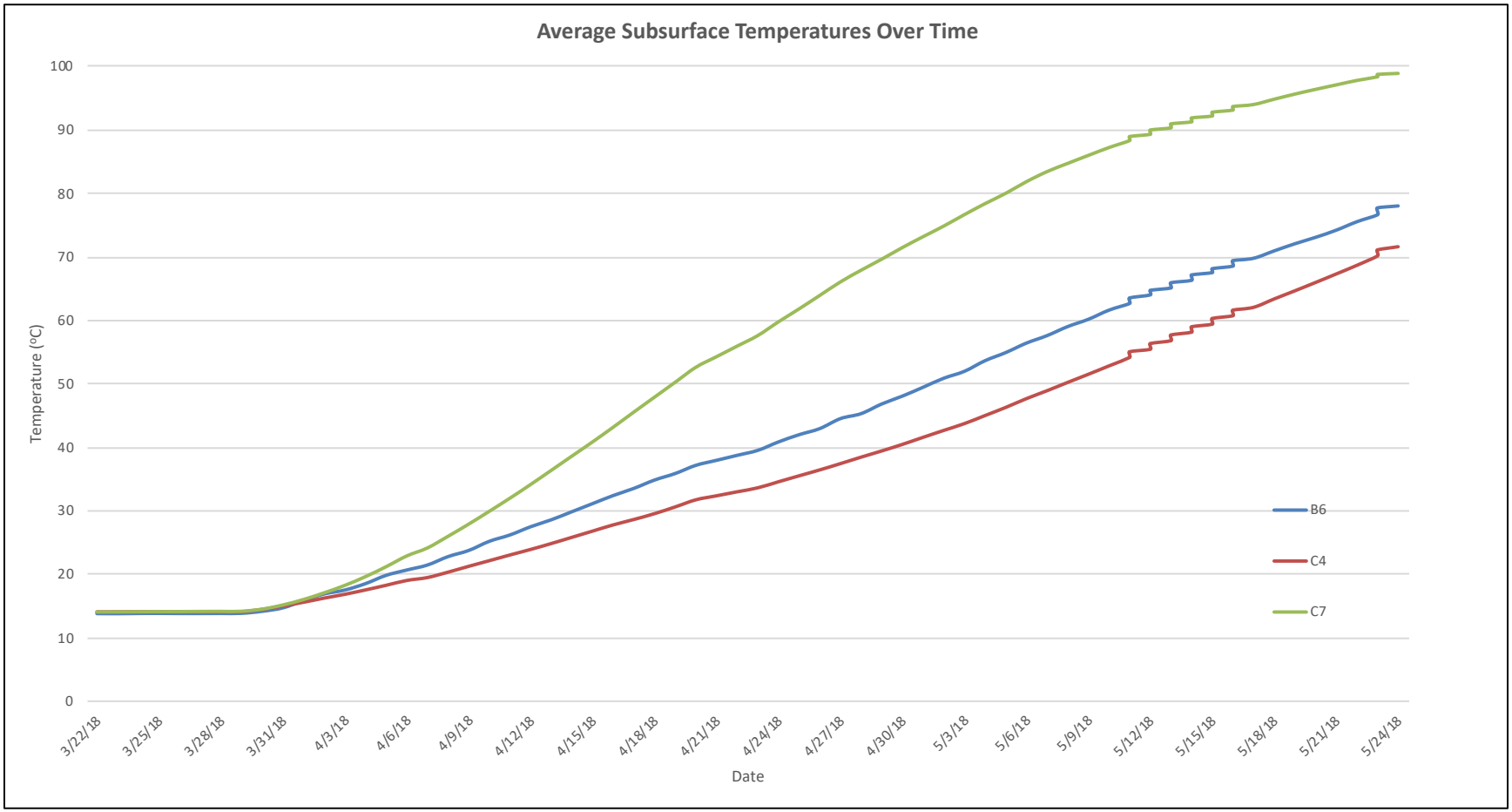


Figure 2. Average Site Subsurface Temperature vs. Time

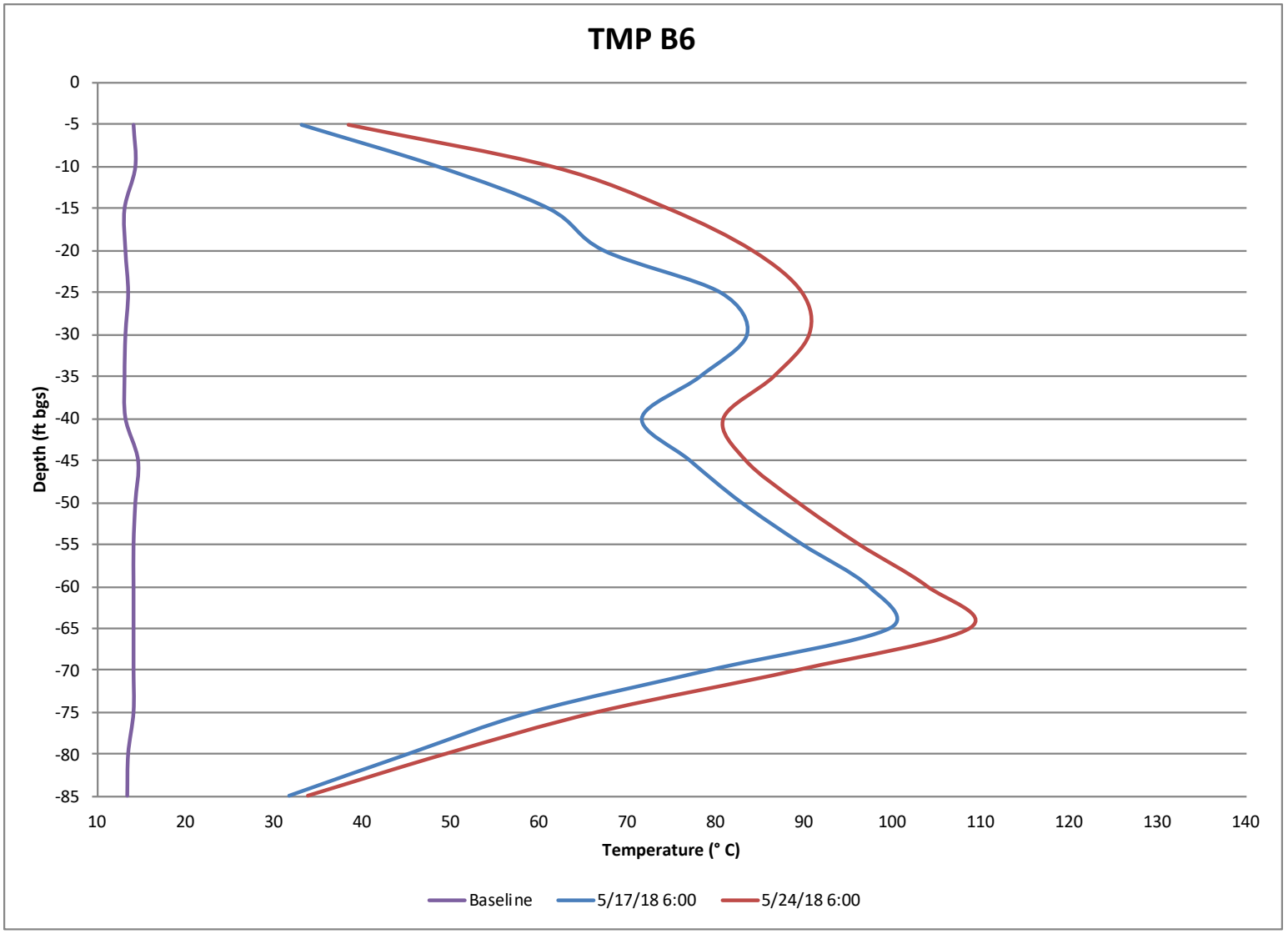


Figure 3a. TMP-B6 Temperature vs. Depth

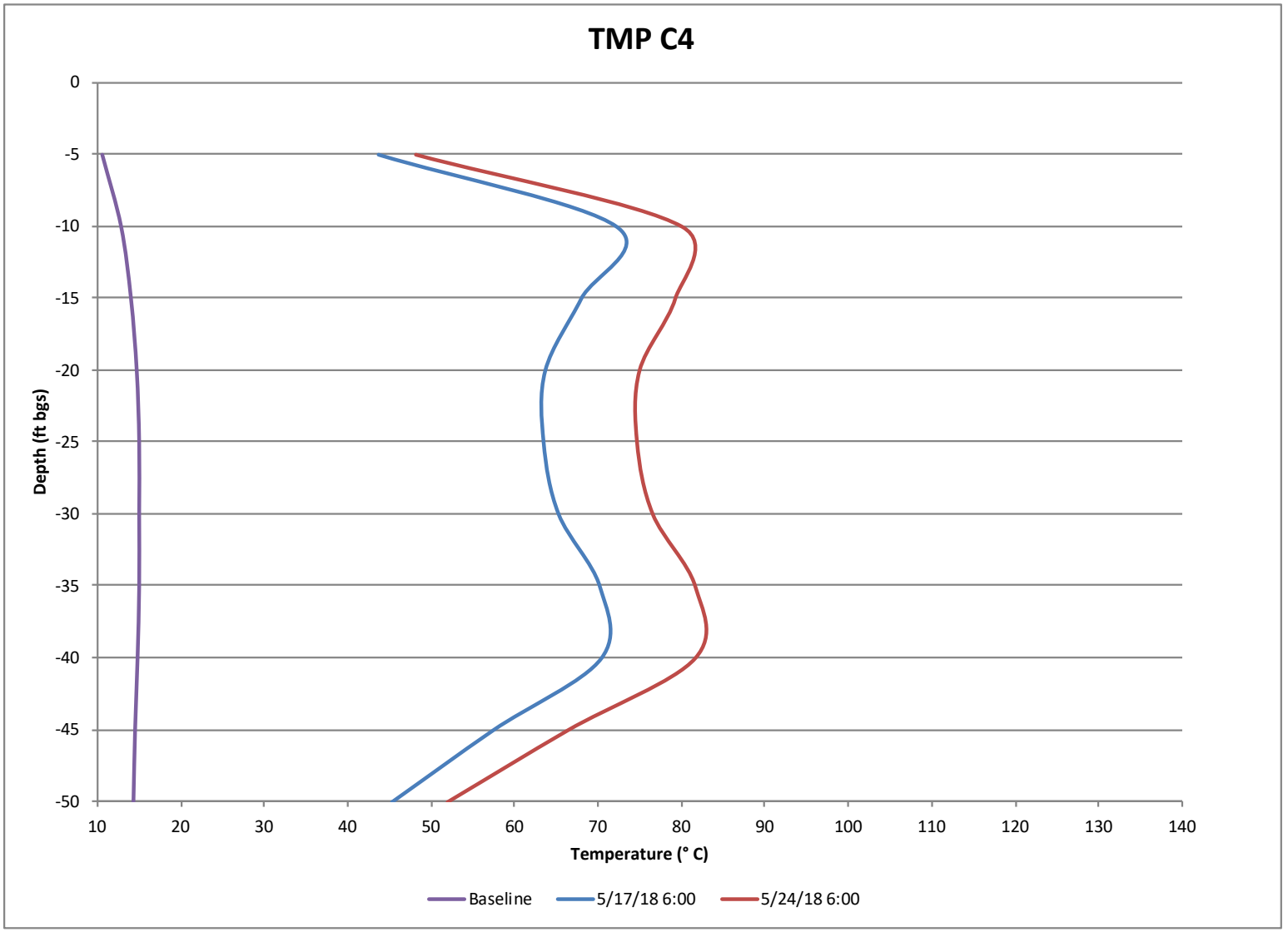


Figure 3b. TMP-C4 Temperature vs. Depth

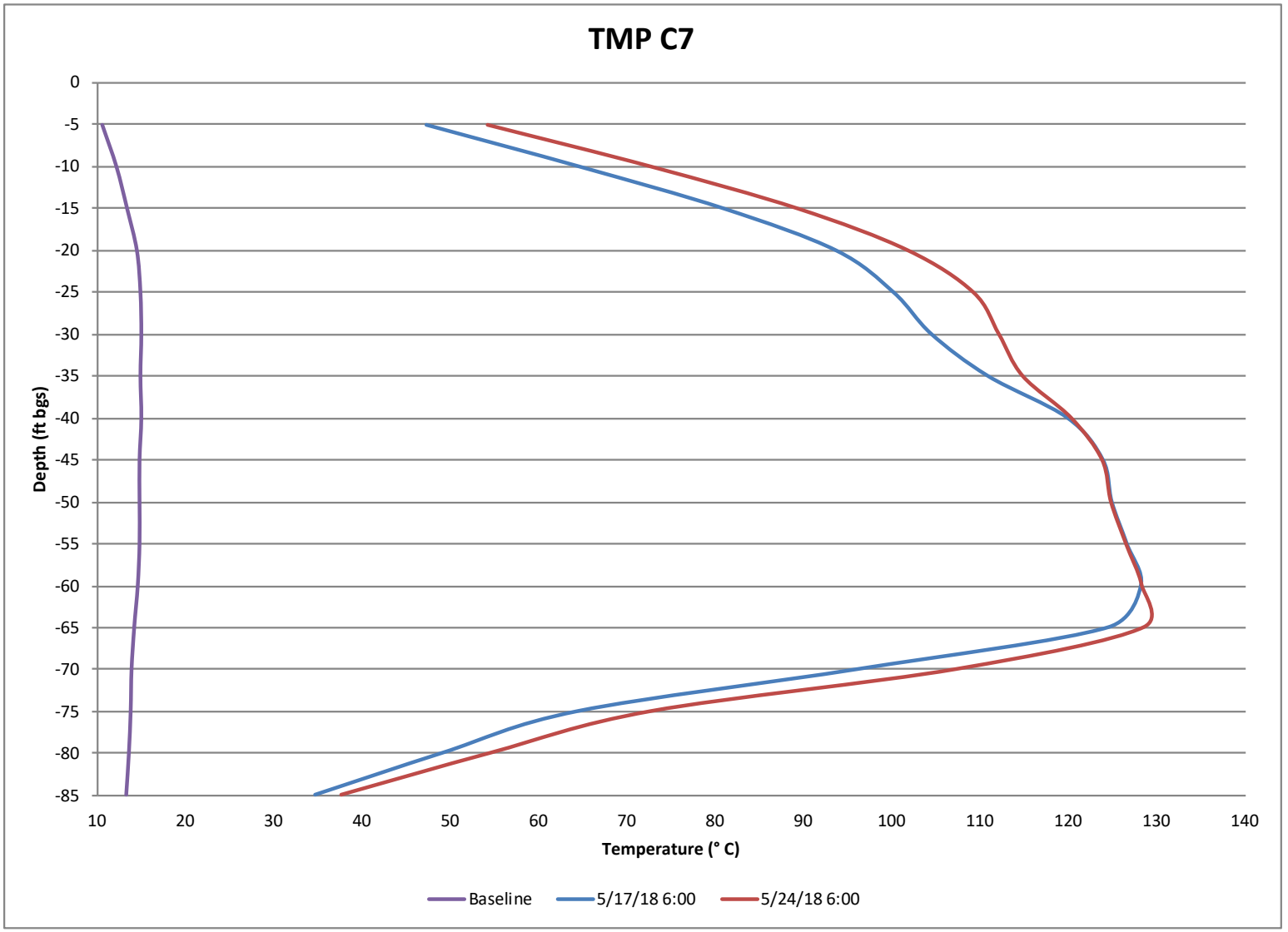


Figure 3b. TMP-C7 Temperature vs. Depth

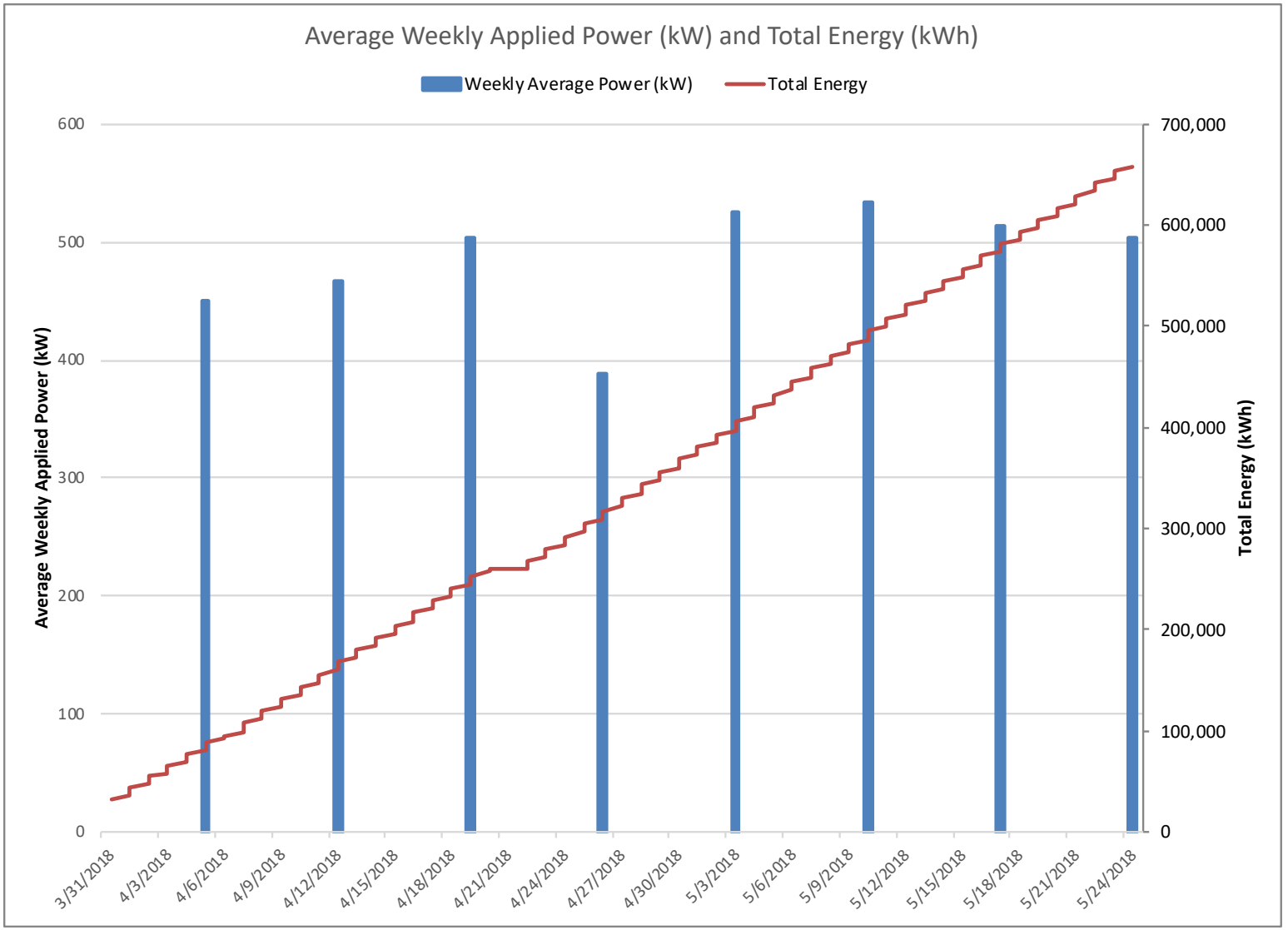


Figure 4. Average Daily Applied Power and Total Energy

June 5, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period May 25 - May 31, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending May 31, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	May 24, 2018	May 31, 2018
Average Power (kW)	504	504
Cumulative Energy Applied (kWh)	657,754	742,430
Average Site Subsurface Temperature (°C)	82.8	91.0
Average Condensate Production Rate (gpm)	0.80	0.75
Total Condensate Production (gallons)	30,961	38,489

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was not a system shutdown longer than one hour in duration. Total down time during the reporting period was approximately 0 minutes with total uptime of 95 percent since start-up.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of this reporting period was 91.0 degrees Celsius (°C). This is an average subsurface temperature increase of 77.0 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 1.2°C per day. The highest individual temperature measurement from within the treatment volume was 128.9°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 504 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of May 31, 2018, was 742,430 kilowatt-hours (kWh). This represents approximately 42 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date, TRS estimates that application of 50 percent of the total design energy will be achieved on June 11, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 22 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 255 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings, TRS estimates that approximately 0.5 pounds of volatile organic compound (VOC) mass has been removed from the subsurface. Pacific Crest conducted their weekly inspection on May 30, 2018.

Total condensate production is approximately 38,489 gallons and the production rate is currently 0.75 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that has been pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of June 4, 2018. The focus of site activities will be on additional optimization of the ERH system, and performance of routine monitoring and maintenance activities. Pacific Crest is scheduling interim sampling activity for the week of June 11 or shortly therafter.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

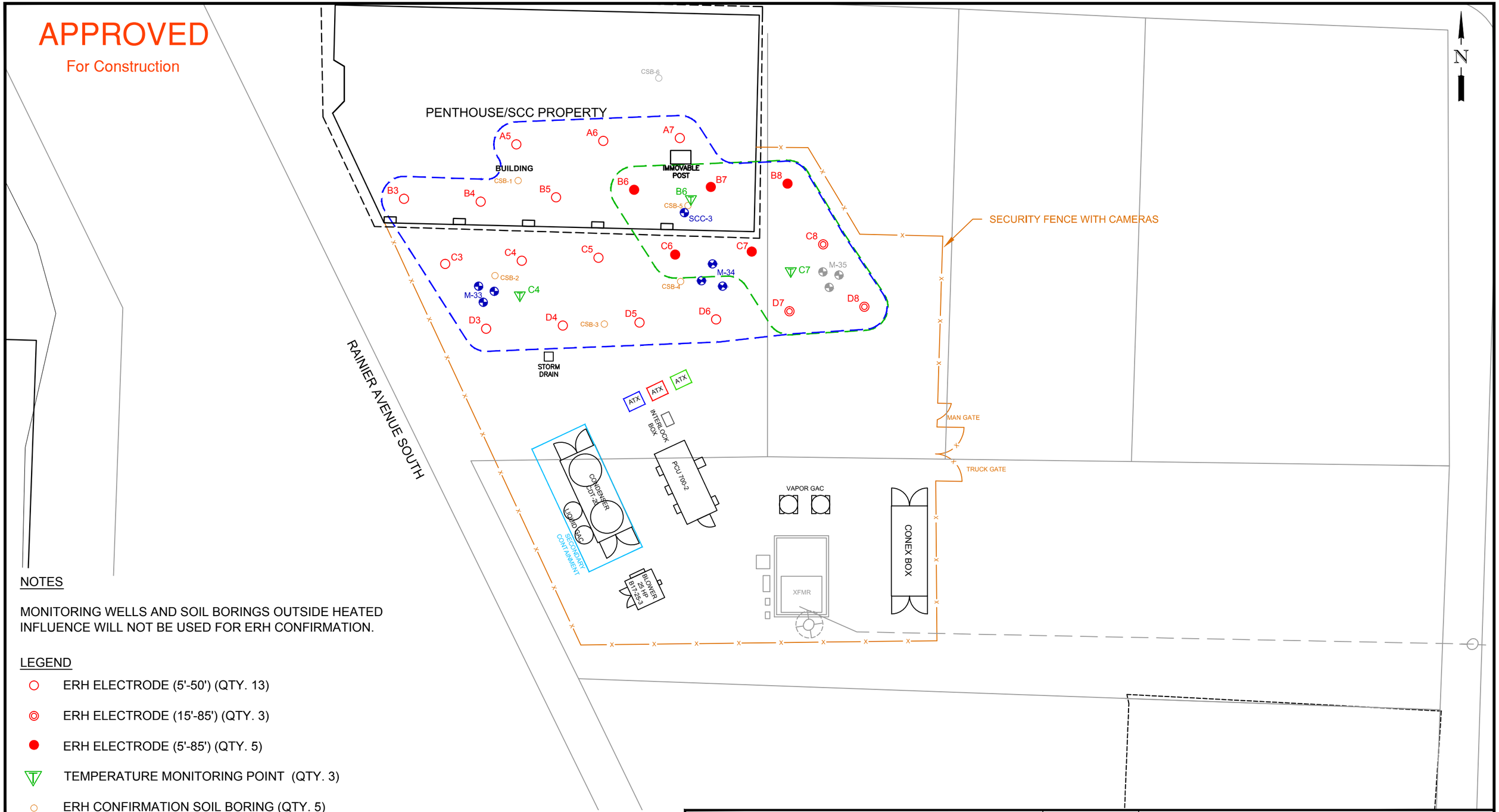
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

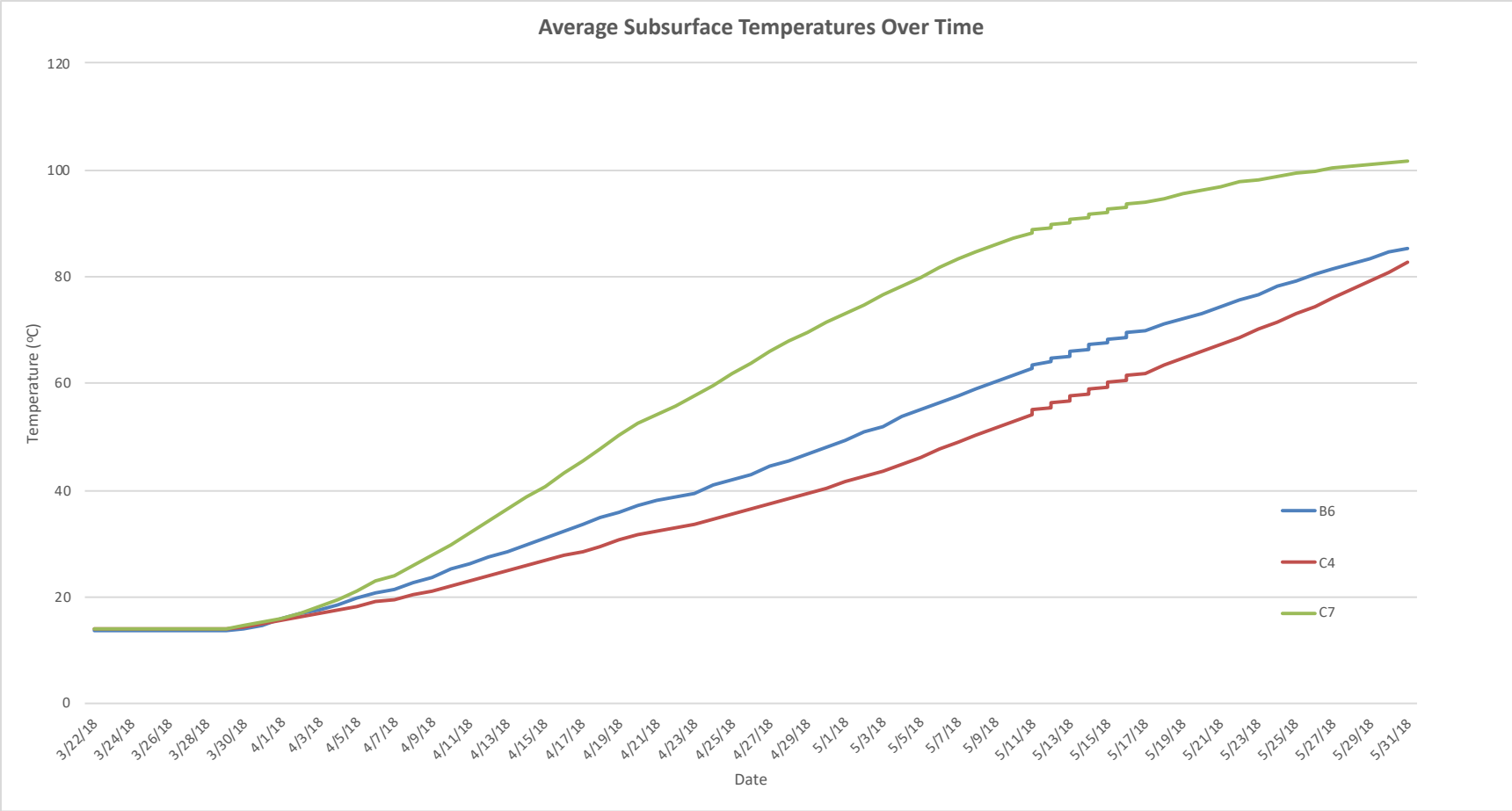


Figure 2. Average Site Subsurface Temperature vs. Time

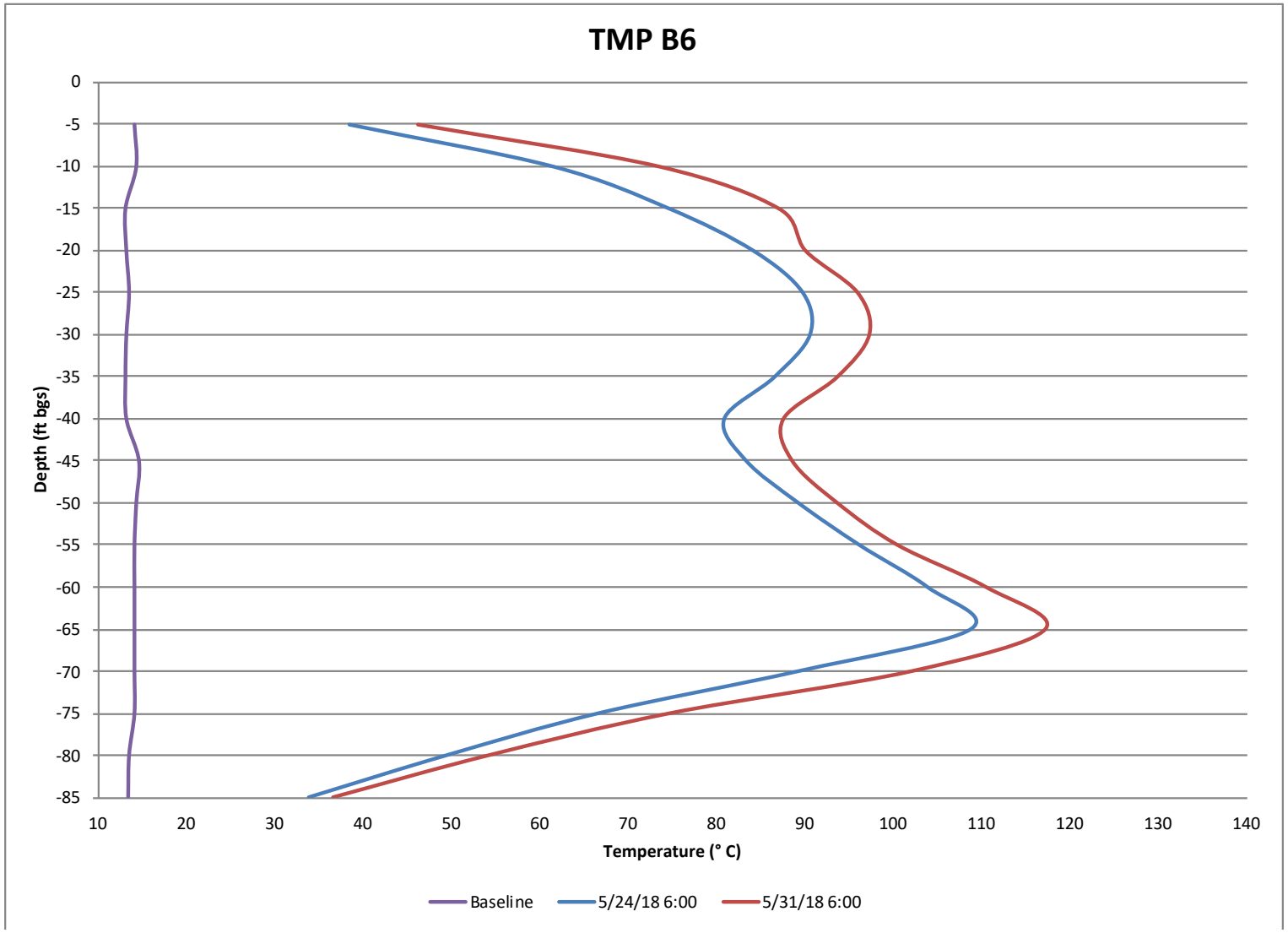


Figure 3a. TMP-B6 Temperature vs. Depth

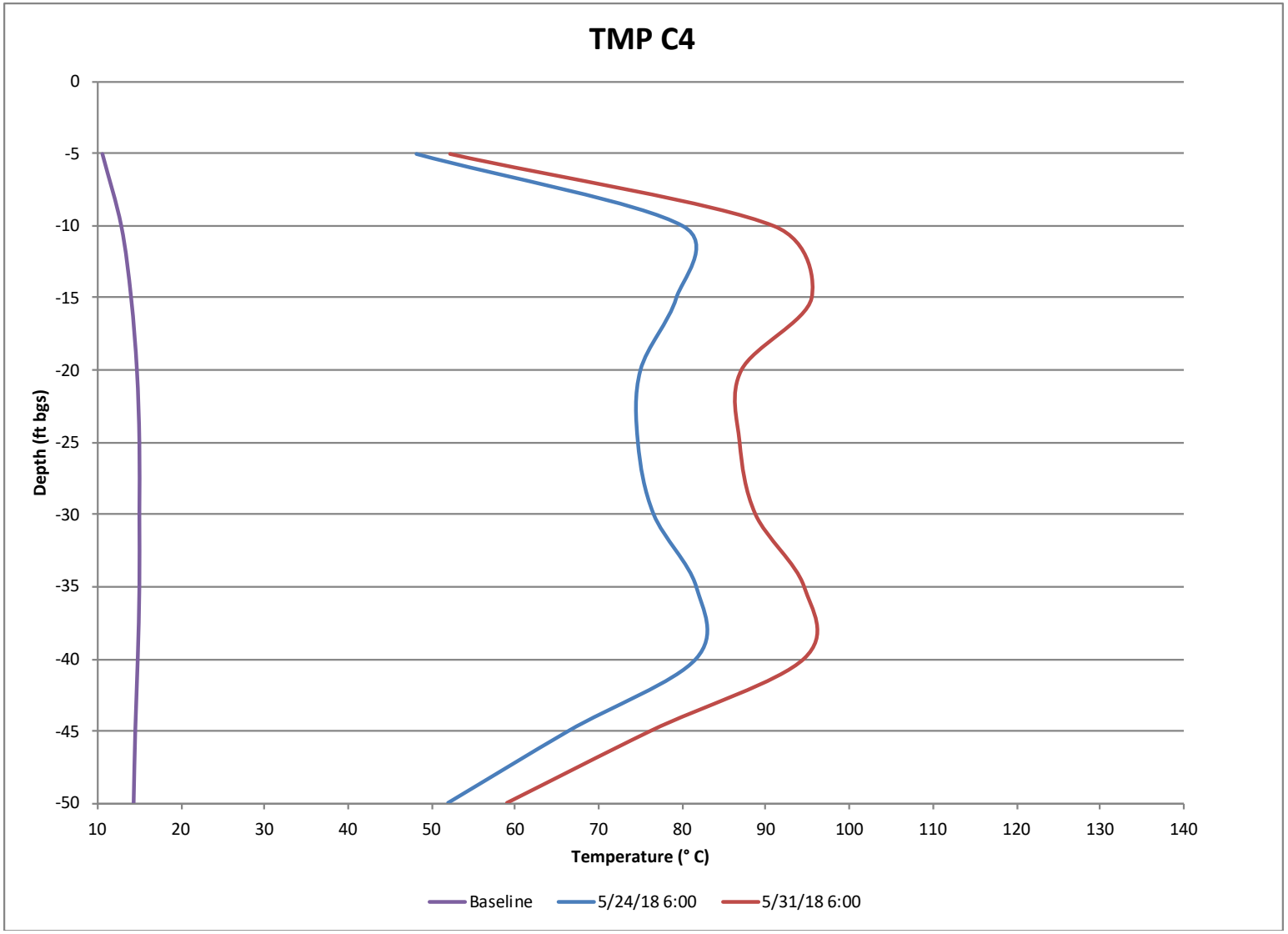


Figure 3b. TMP-C4 Temperature vs. Depth

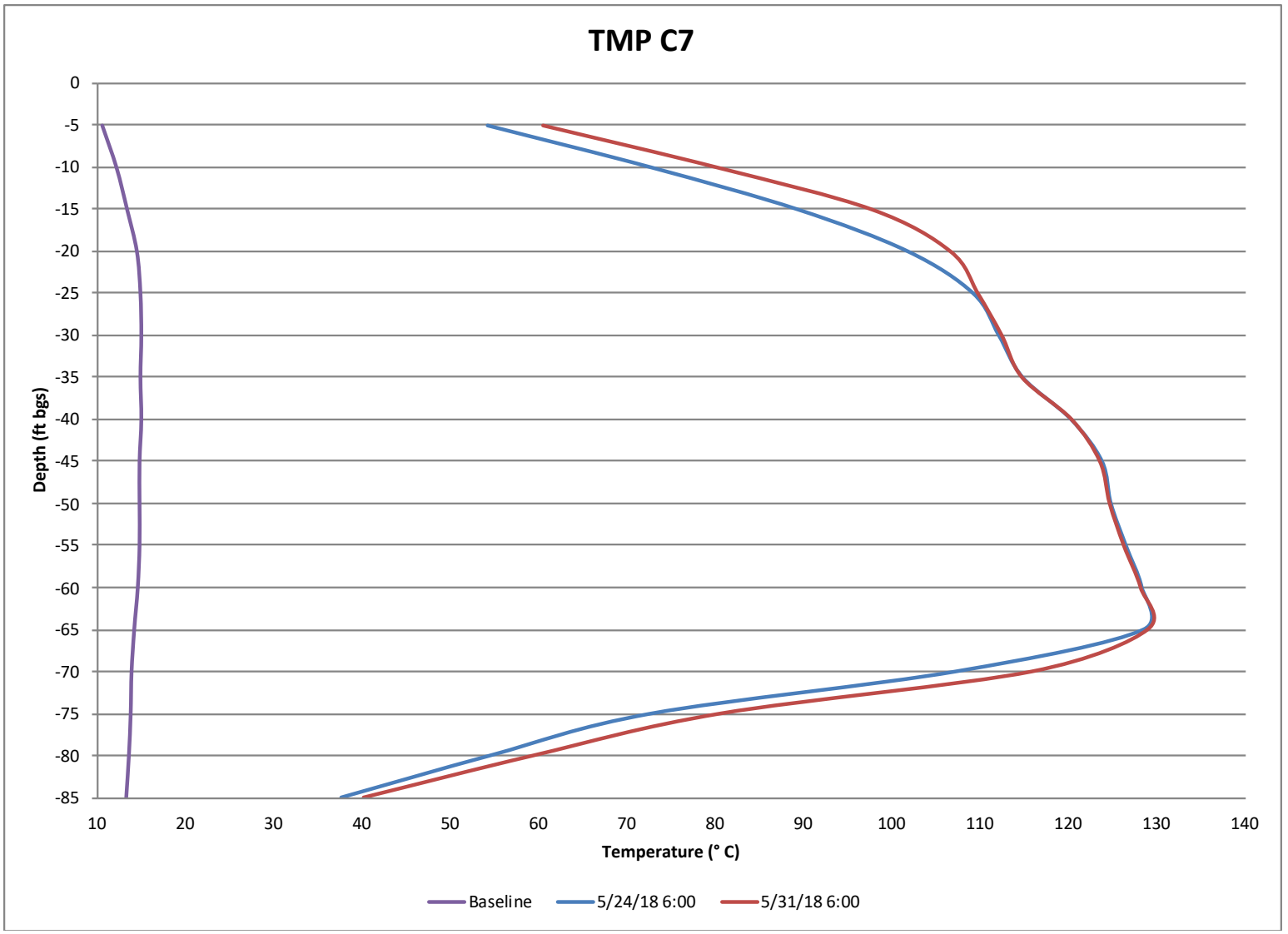


Figure 3b. TMP-C7 Temperature vs. Depth

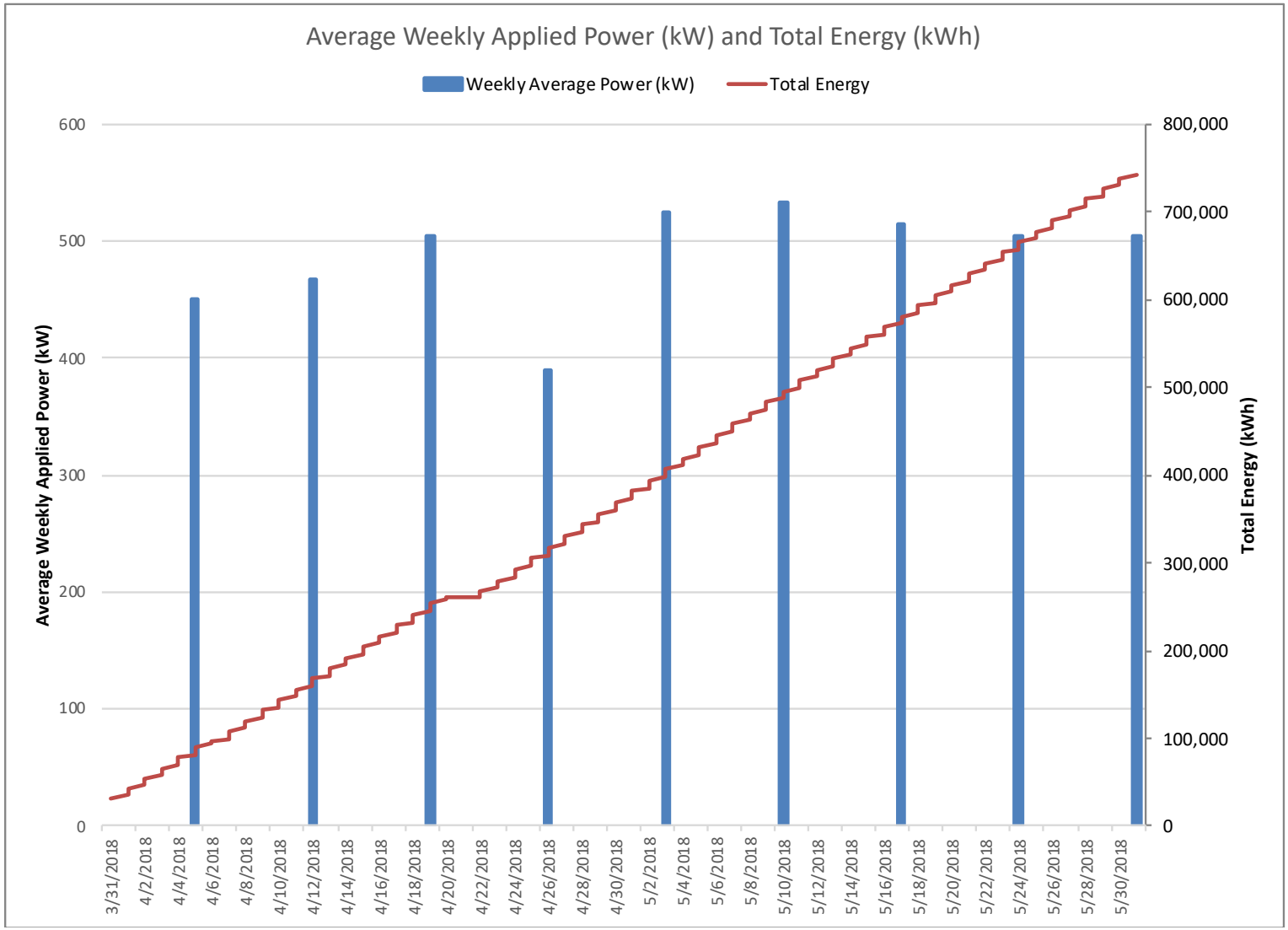


Figure 4. Average Daily Applied Power and Total Energy

June 20, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period June 8 – June 14, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending June 14, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	June 7, 2018	June 14, 2018
Average Power (kW)	501	413
Cumulative Energy Applied (kWh)	826,667	892,292
Average Site Subsurface Temperature (°C)	96.5	99.5
Average Condensate Production Rate (gpm)	1.09	0.73
Total Condensate Production (gallons)	49,552	56,924

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. Pacific Crest and TRS Group conducted interim groundwater sampling on June 11-12, 2018 and those results are pending. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there were two system shutdowns longer than one hour in duration. Both were related to the interim groundwater sampling when power application to the subsurface was ceased four hours prior to and throughout sampling. Total down time during the reporting period was approximately 31 hours and 53 minutes while total uptime is 91 percent since start-up.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of this reporting period was 99.5 degrees Celsius (°C). This is an average subsurface temperature increase of 85.5 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 0.4°C per day. The highest individual temperature measurement from within the treatment volume was 128.3°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 413 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of June 7, 2018, was 892,292 kilowatt-hours (kWh). This represents approximately 51 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date, TRS estimates that application of 70 percent of the total design energy will be achieved on July 11, 2018 and 100 percent design energy will be achieved on August 27, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 22 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 254 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 6.7 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

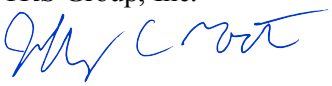
Total condensate production is approximately 56,924 gallons and the production rate averaged 0.73 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that has been pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of June 18, 2018. Pacific Crest is targeting July 11, 2018 for interim soil sampling.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



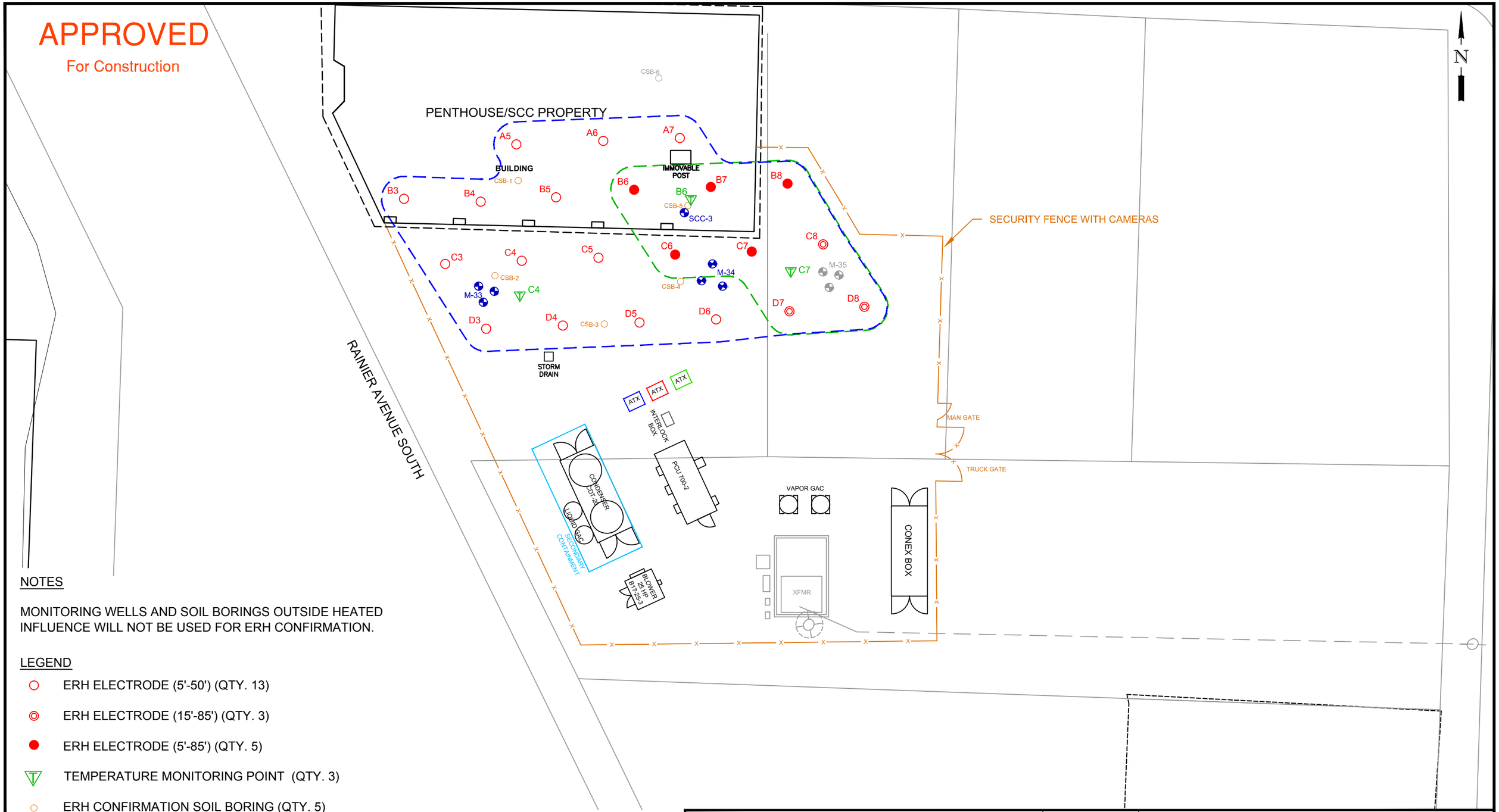
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

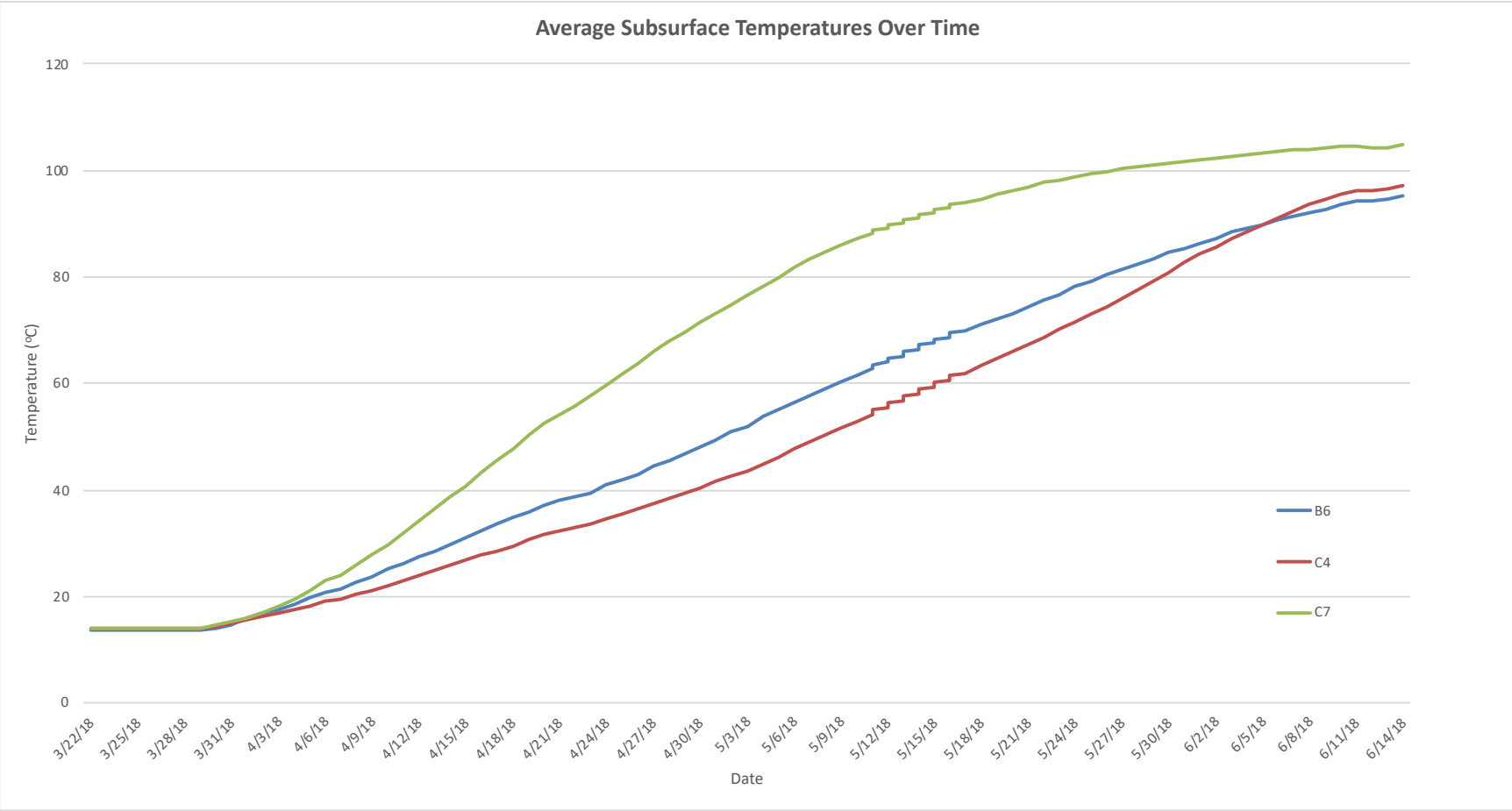


Figure 2. Average Site Subsurface Temperature vs. Time

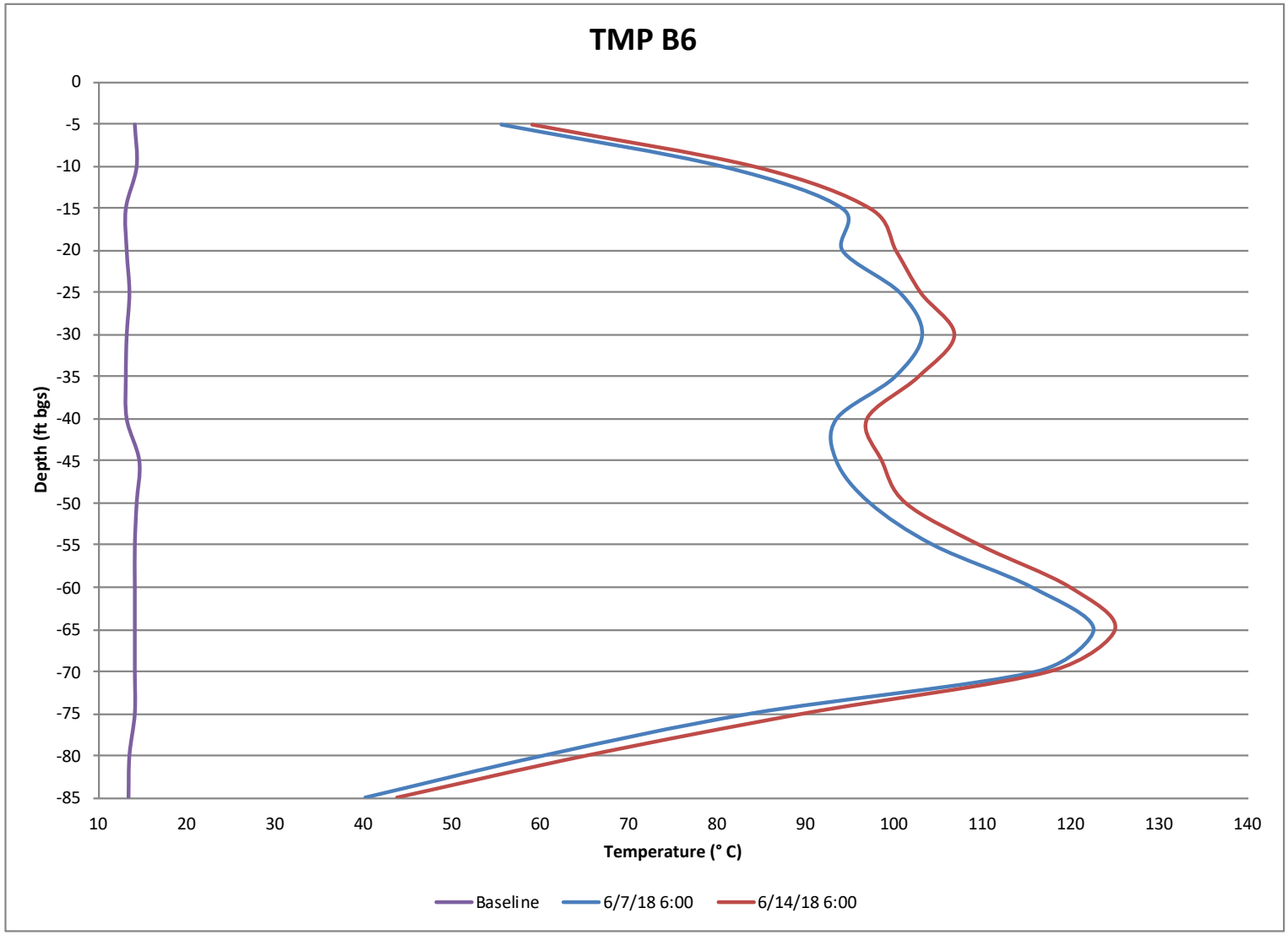


Figure 3a. TMP-B6 Temperature vs. Depth

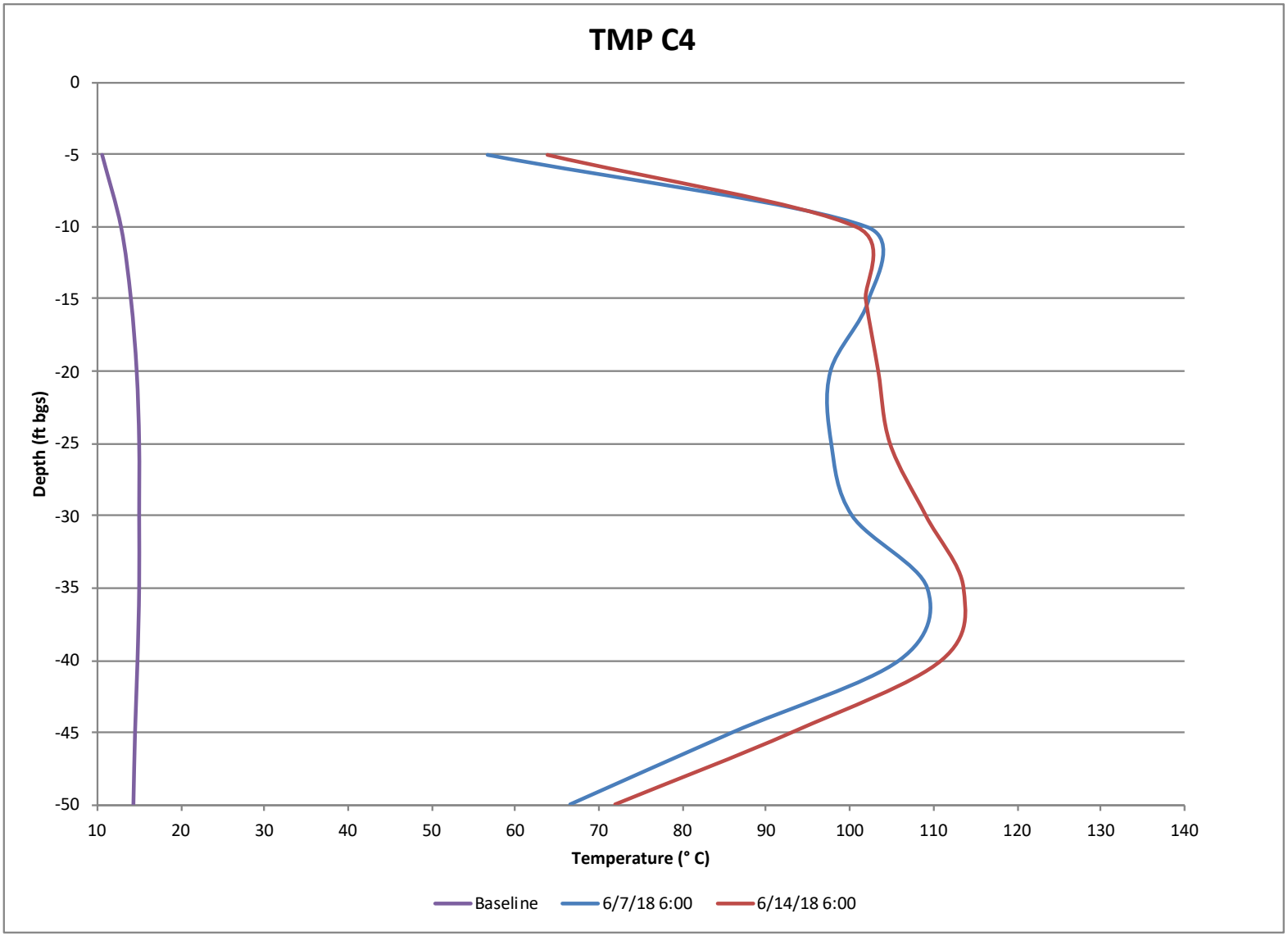


Figure 3b. TMP-C4 Temperature vs. Depth

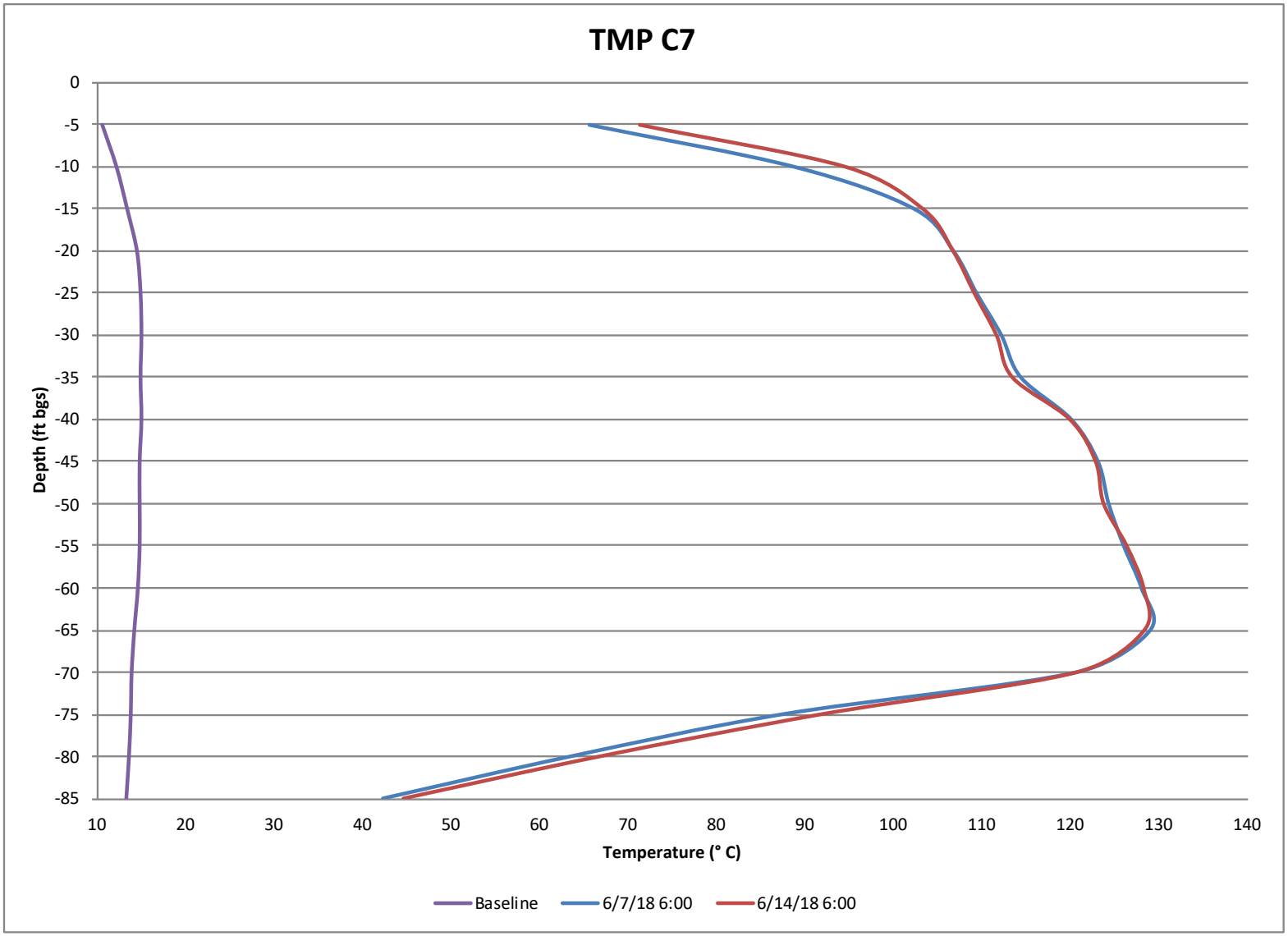


Figure 3b. TMP-C7 Temperature vs. Depth

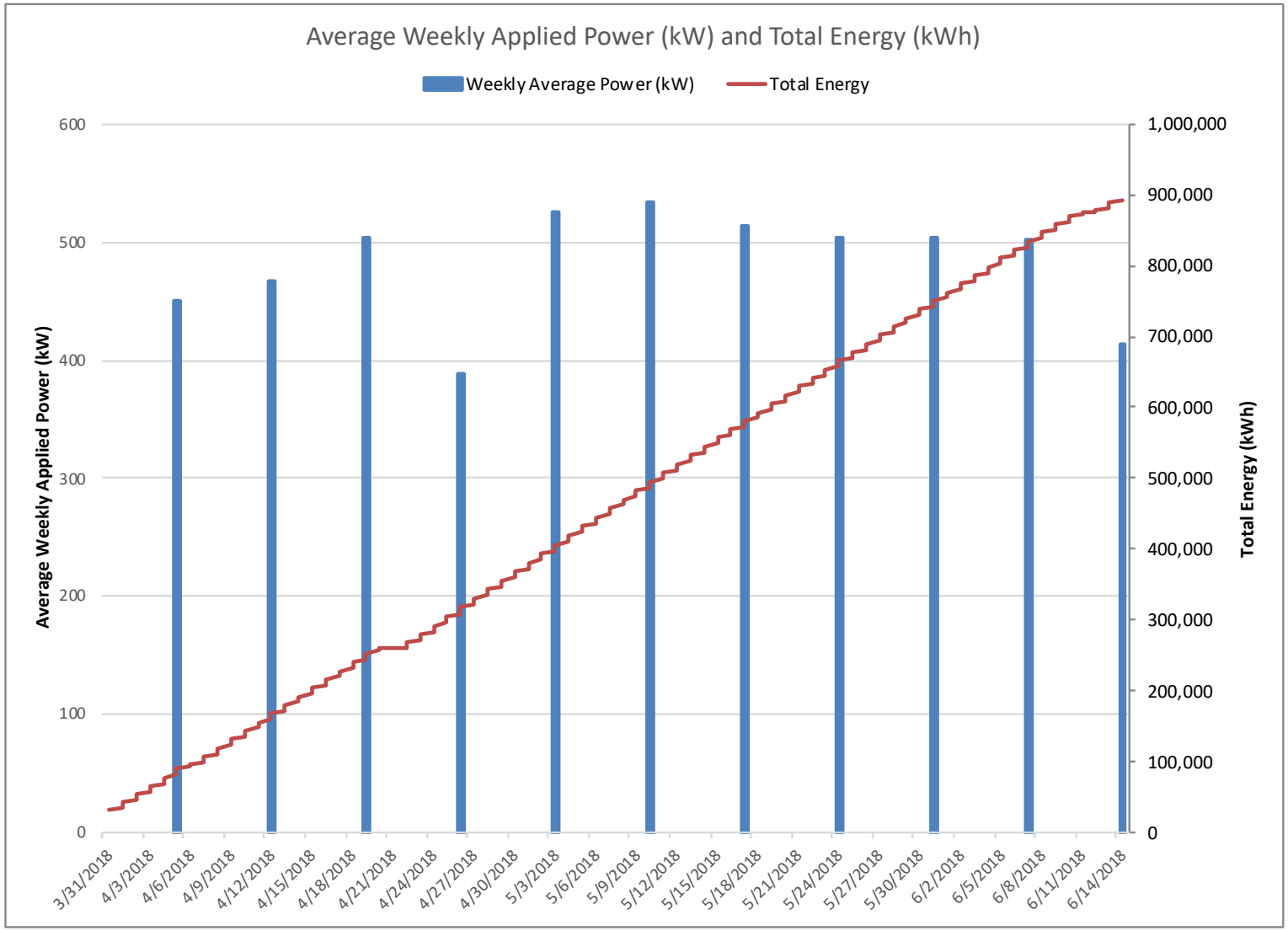


Figure 4. Average Daily Applied Power and Total Energy

June 26, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period June 15 – June 21, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending June 21, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	June 14, 2018	June 21, 2018
Average Power (kW)	413	467
Cumulative Energy Applied (kWh)	892,292	971,207
Average Site Subsurface Temperature (°C)	99.5	102.4
Average Condensate Production Rate (gpm)	0.73	0.91
Total Condensate Production (gallons)	56,924	66,056

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was one system shutdown longer than one hour in duration related to system optimization work. Total down time during the reporting period was approximately 2 hours and 40 minutes while total uptime is 92 percent since start-up.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of this reporting period was 102.4 degrees Celsius (°C). This is an average subsurface temperature increase of 88.4 °C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 0.4°C per day. The highest individual temperature measurement from within the treatment volume was 128.8°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 467 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of June 21, 2018, was 971,207 kilowatt-hours (kWh). This represents approximately 55 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents Average Weekly Applied Power and Total Energy since start-up. Based on progress to date, TRS estimates that application of 70 percent of the total design energy will be achieved on July 14, 2018 and 100 percent design energy will be achieved on August 30, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 22 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 253 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 7.7 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

Total condensate production is approximately 66,056 gallons and the production rate averaged 0.91 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of June 25, 2018. Pacific Crest is currently planning to complete the first round of iterative confirmatory sampling during the week of July 11, 2018.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

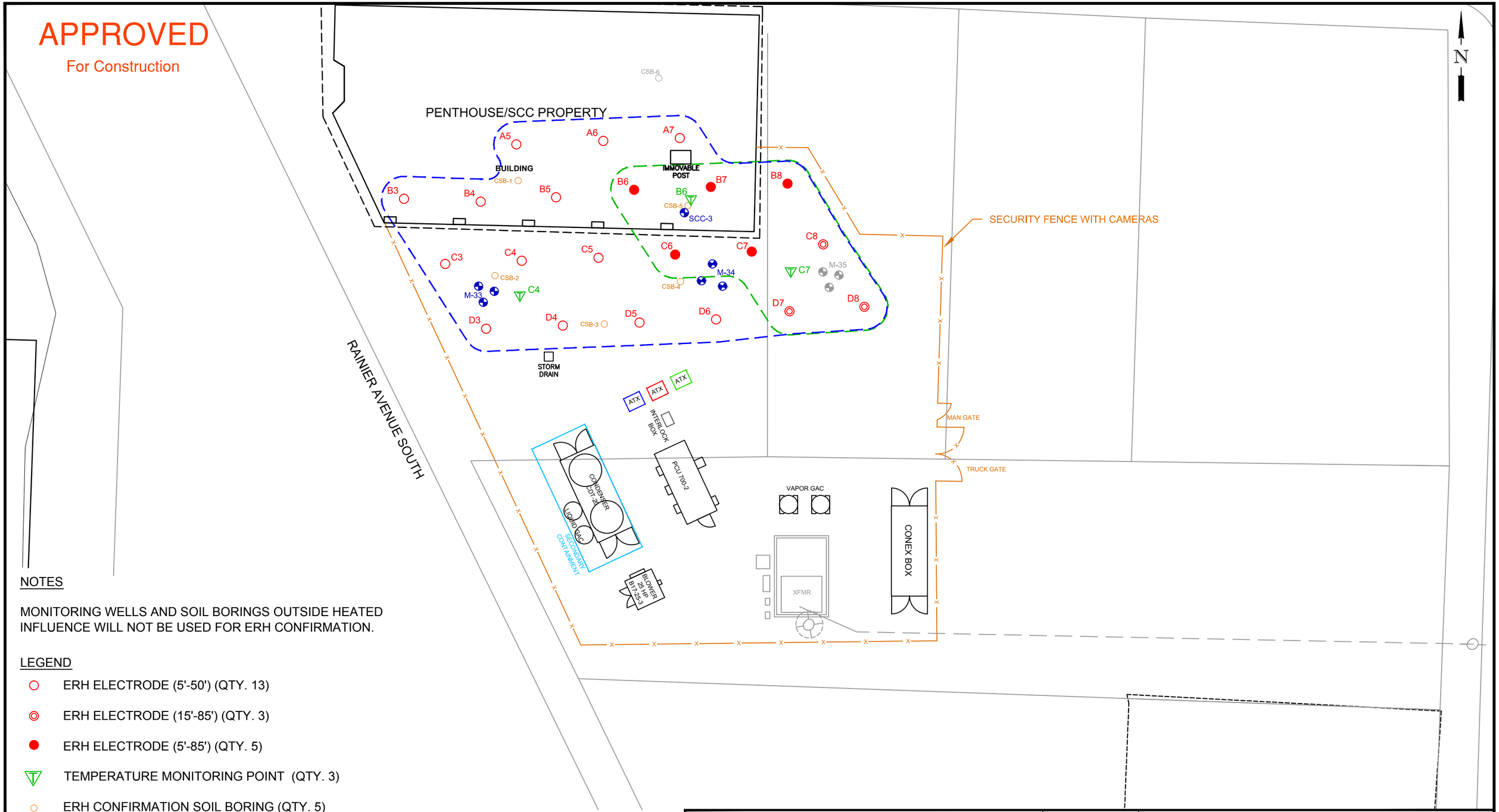
Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

APPROVED

For Construction



NOTES

MONITORING WELLS AND SOIL BORINGS OUTSIDE HEATED INFLUENCE WILL NOT BE USED FOR ERH CONFIRMATION.

LEGEND

- ERH ELECTRODE (5'-50') (QTY. 13)
- ERH ELECTRODE (15'-85') (QTY. 3)
- ERH ELECTRODE (5'-85') (QTY. 5)
- TEMPERATURE MONITORING POINT (QTY. 3)
- ERH CONFIRMATION SOIL BORING (QTY. 5)
- ERH CONFIRMATION MONITORING WELL (QTY. 7)
- MONITORING WELL (QTY. 3)
- AREA OF HEATING INFLUENCE
- AREA OF DEEP HEATING INFLUENCE

0 20 40

SCALE IN FEET

TRS Accelerating Value

TRS GROUP, INC. 338 COMMERCE AVE., SUITE 304, LONGVIEW, WA 98632

DESIGNED BY	D. SEILER
DRAWN BY	A. PEABODY
CHECKED BY	C. CROWNOVER
PROJECT MANAGER	J. ROOT
QSAT REVIEW	03/08/17

SITE	FORMER PENTHOUSE DRAPERY
LOCATION	SEATTLE, WASHINGTON
CLIENT	PENTHOUSE DRAPERY

SITE PLAN

APPROVED FOR CONSTRUCTION

BY _____

DATE _____

DATE 11/06/17

PROJECT SEA12

SHEET Y-1

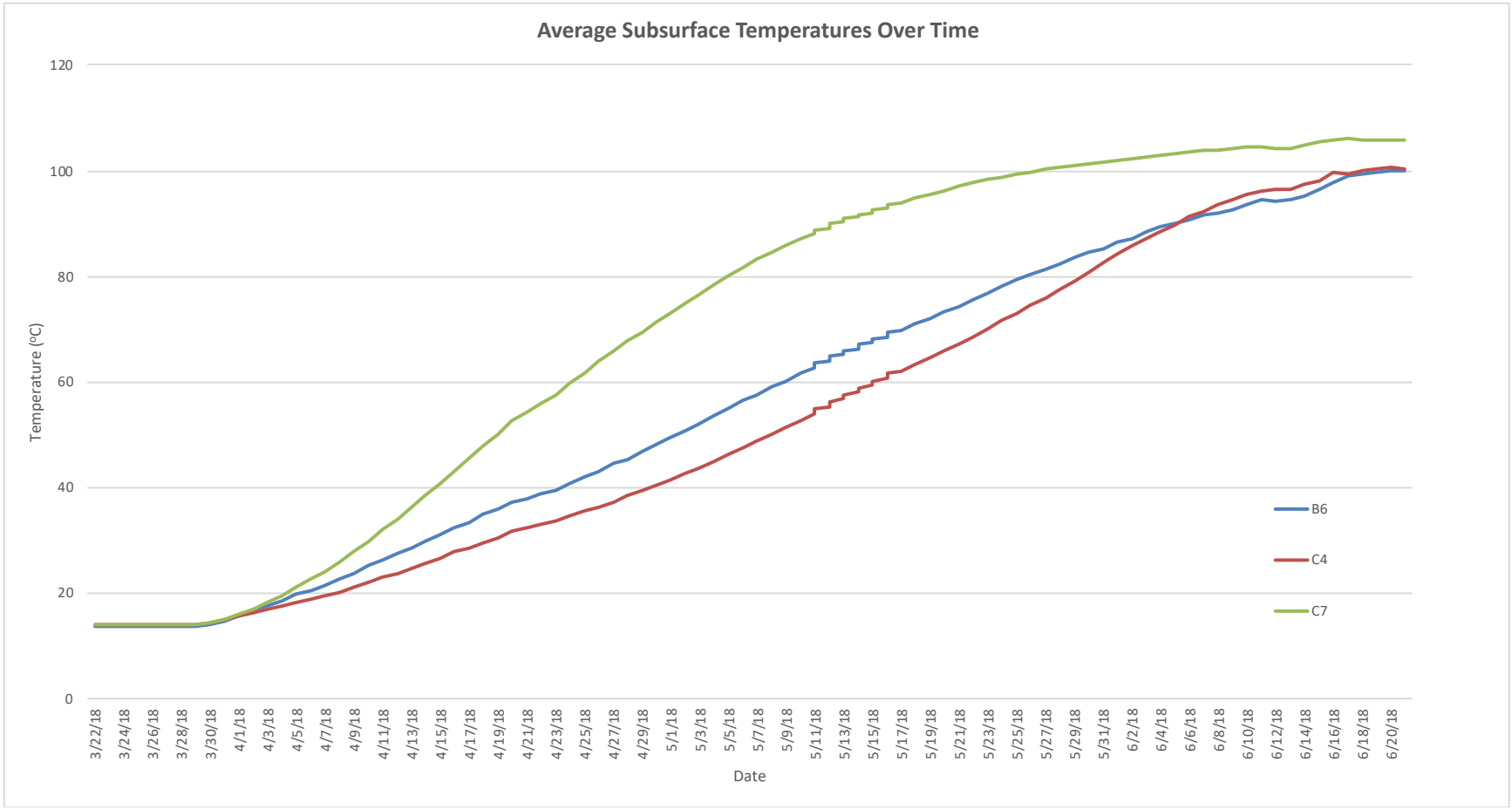


Figure 2. Average Site Subsurface Temperature vs. Time

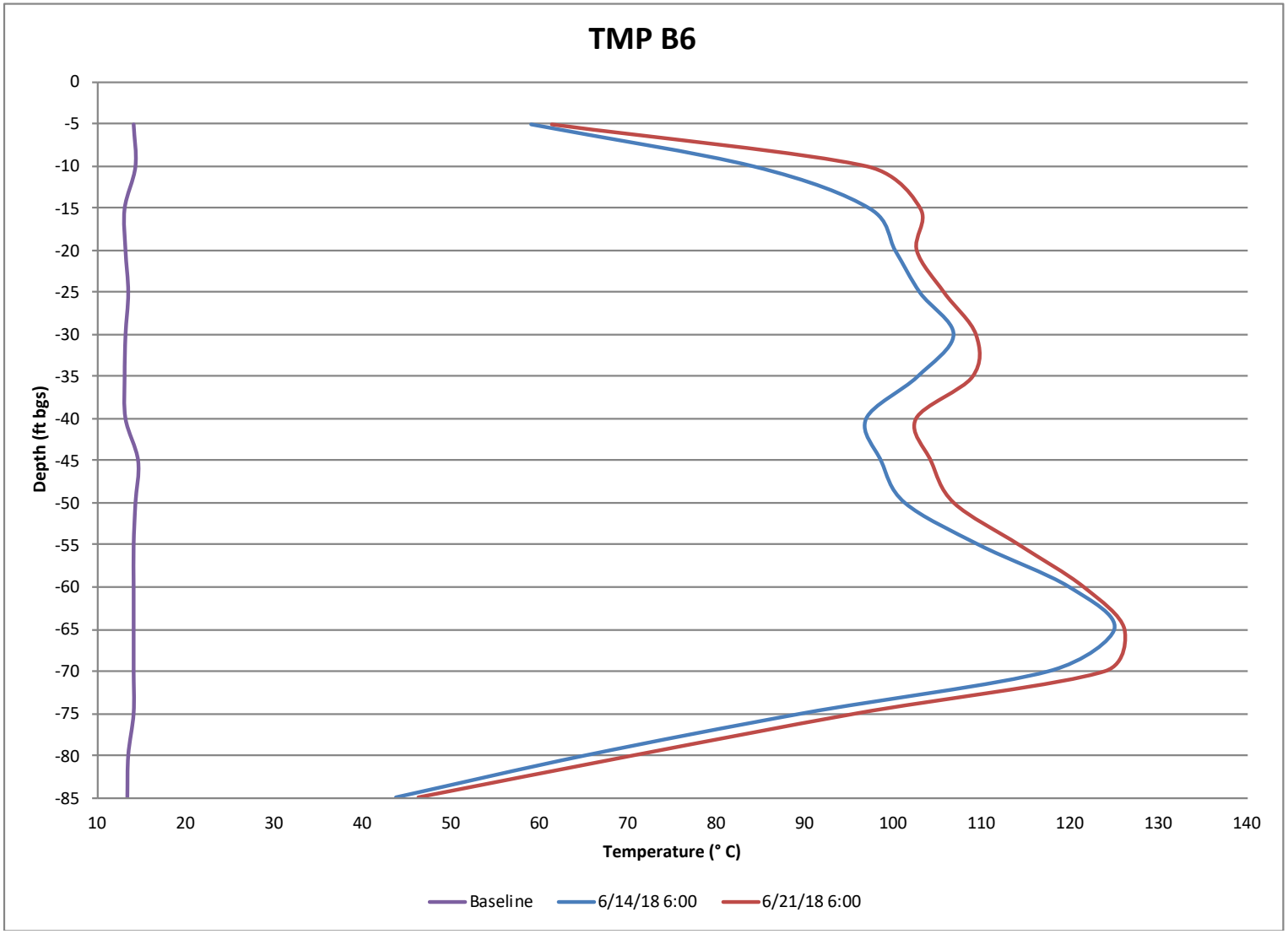


Figure 3a. TMP-B6 Temperature vs. Depth

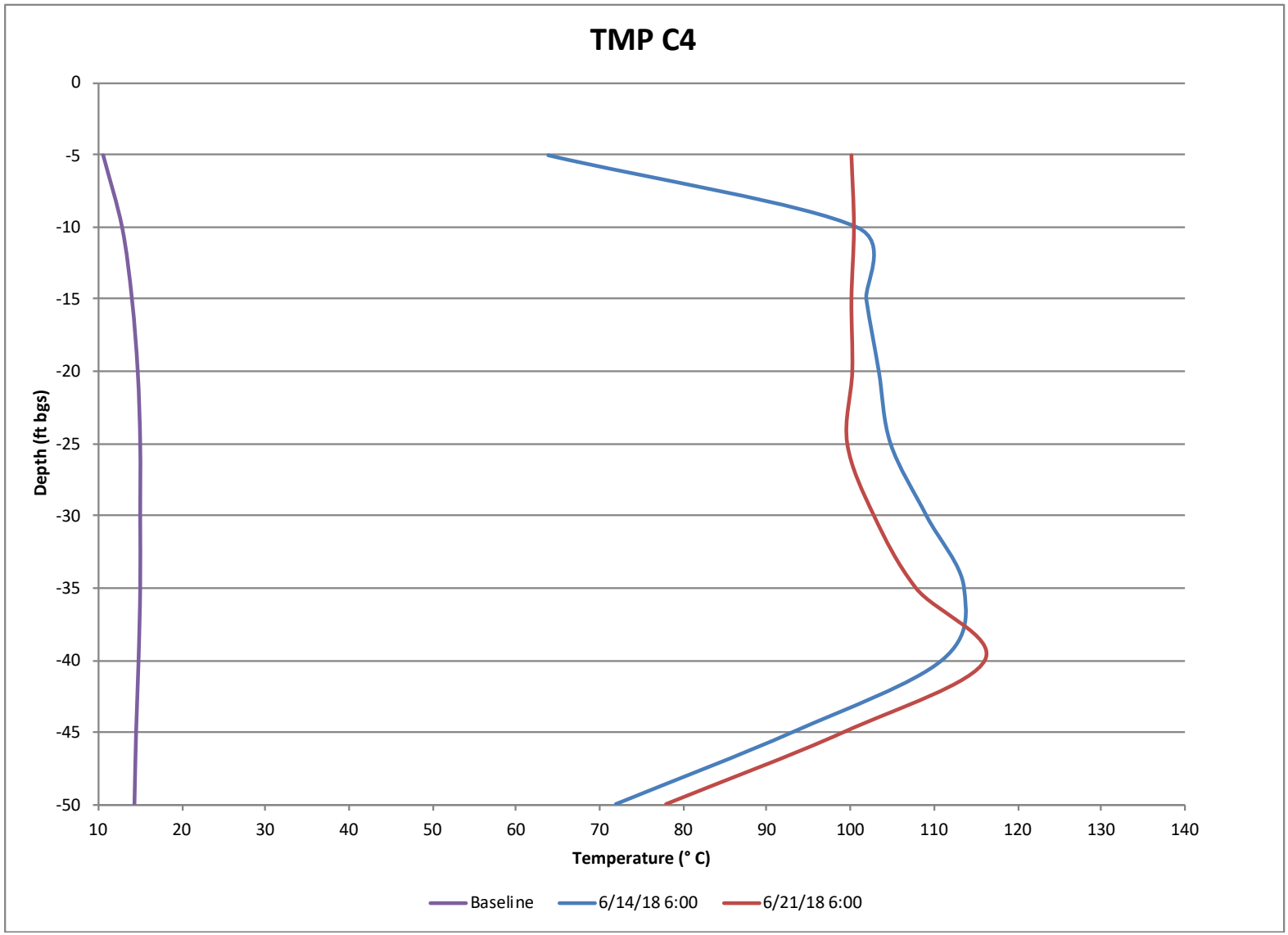


Figure 3b. TMP-C4 Temperature vs. Depth

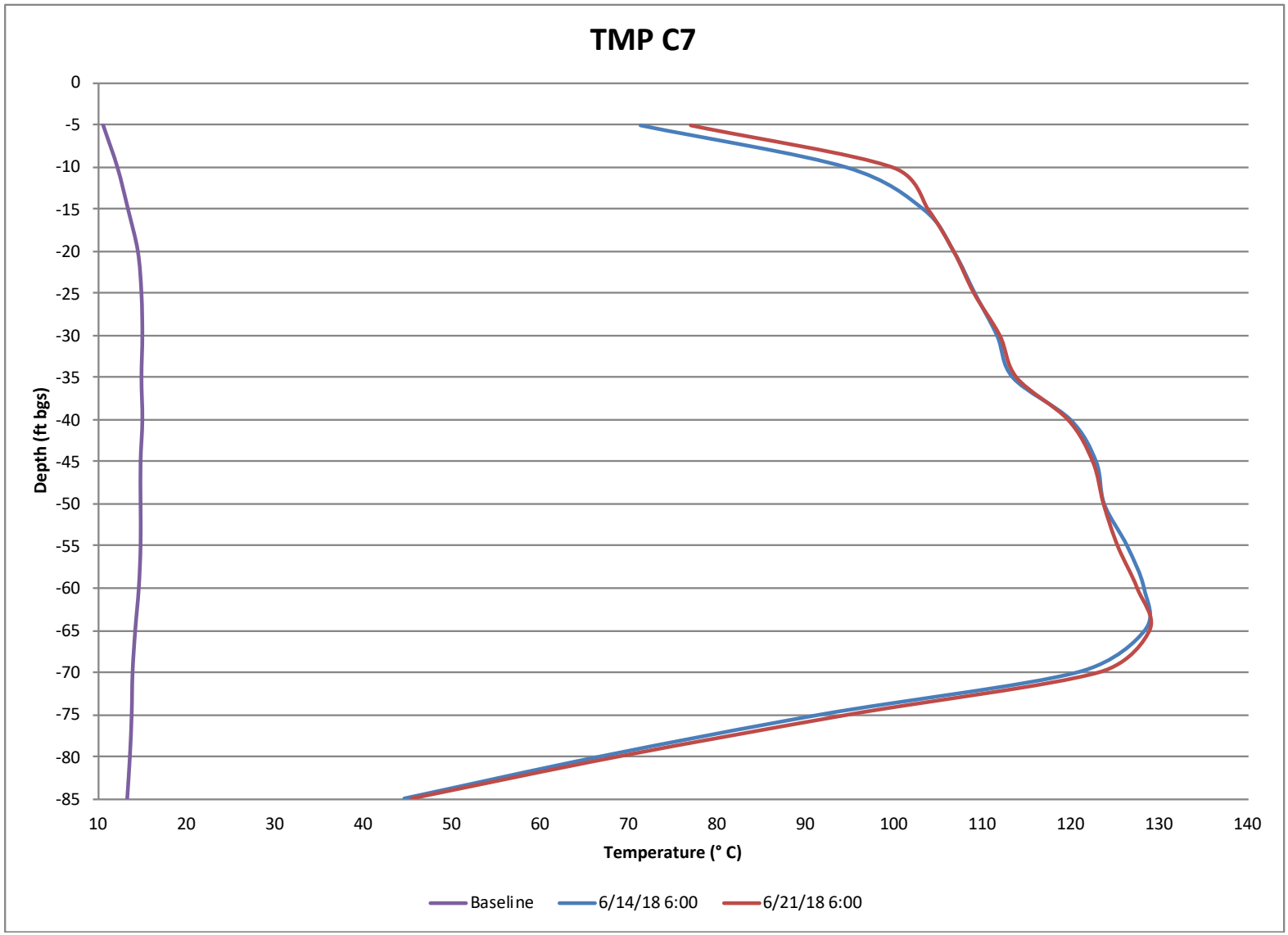


Figure 3b. TMP-C7 Temperature vs. Depth

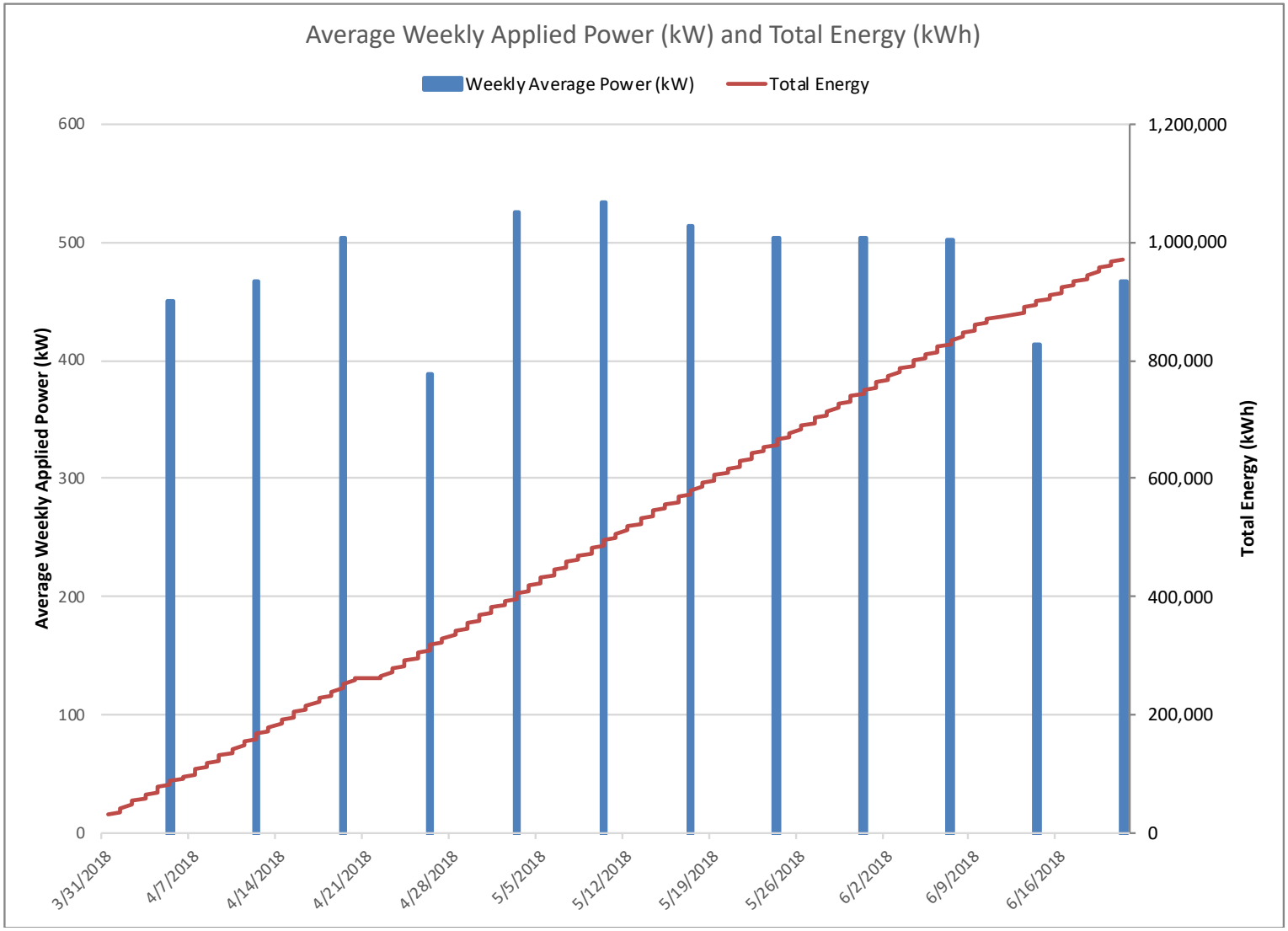


Figure 4. Average Daily Applied Power and Total Energy

July 10, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period June 29 – July 5, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending July 5, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	June 28, 2018	July 5, 2018
Average Power (kW)	461	481
Cumulative Energy Applied (kWh)	1,049,363	1,129,461
Average Site Subsurface Temperature (°C)	103.9	104.8
Average Condensate Production Rate (gpm)	1.03	1.11
Total Condensate Production (gallons)	76,437	87,652

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Since ERH system start-up, total uptime of the ERH system is approximately 94 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of this reporting period was 104.8 degrees Celsius (°C). This is an average subsurface temperature increase of 90.8°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during

the reporting period was approximately 0.1°C per day. The highest individual temperature measurement from within the treatment volume was 128.9°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 481 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of July 5, 2018, was 1,129,461 kilowatt-hours (kWh). This represents approximately 66 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up. Based on progress to date, TRS estimates that application of 70 percent of the total design energy will be achieved on July 13, 2018, and 100 percent design energy will be achieved on August 28, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 21 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 247 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 9.4 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

Total condensate production is approximately 87,652 gallons and the production rate averaged 1.11 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of July 9, 2018. Pacific Crest is planning to complete the 70 percent groundwater sampling event on July 11-13, 2018, and iterative confirmatory soil sampling will begin inside the Seattle Collision Center building on Saturday July 14, 2018, moving to exterior locations on Monday July 16, 2018.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

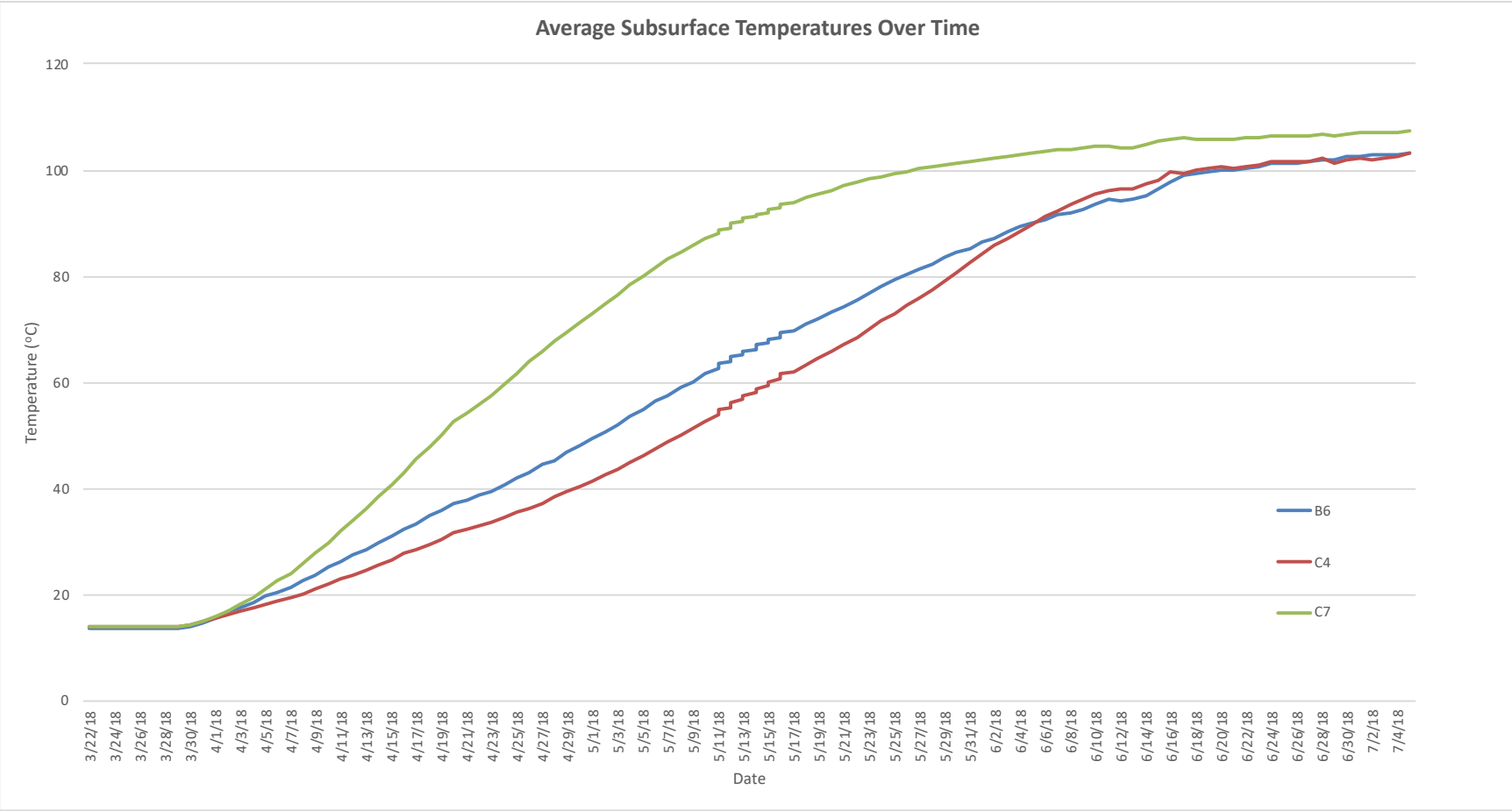


Figure 2. Average Site Subsurface Temperature vs. Time

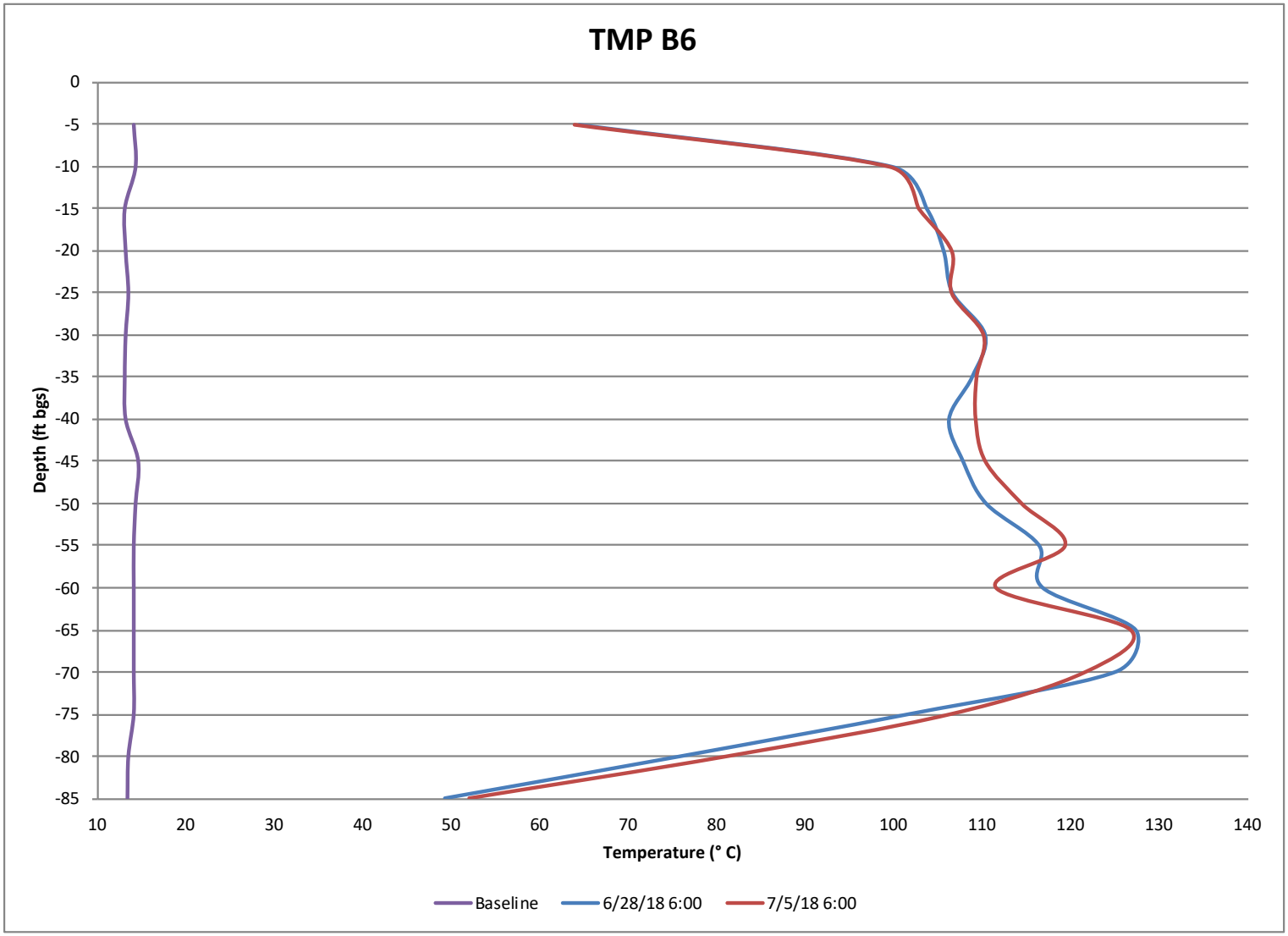


Figure 3a. TMP-B6 Temperature vs. Depth

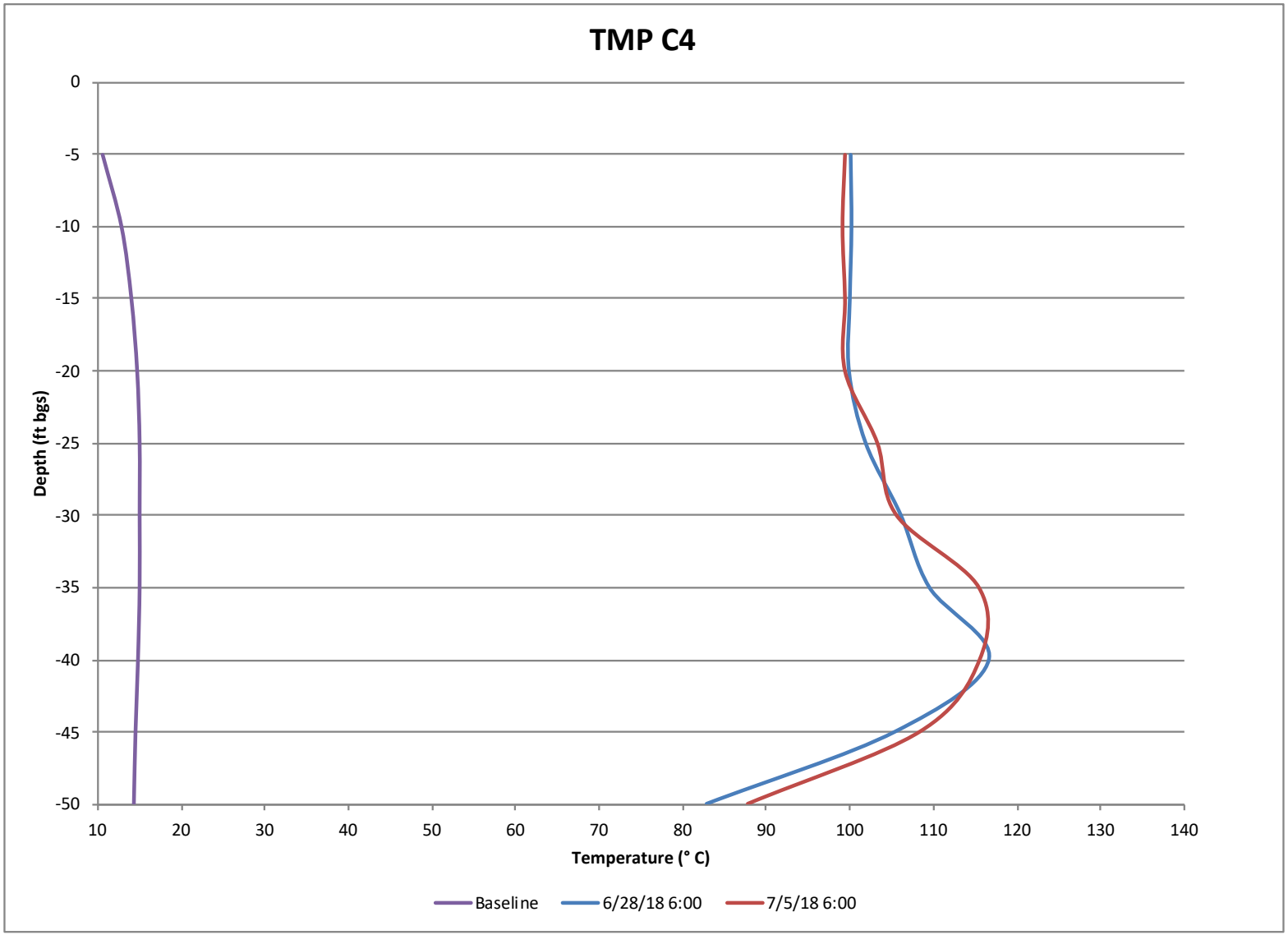


Figure 3b. TMP-C4 Temperature vs. Depth

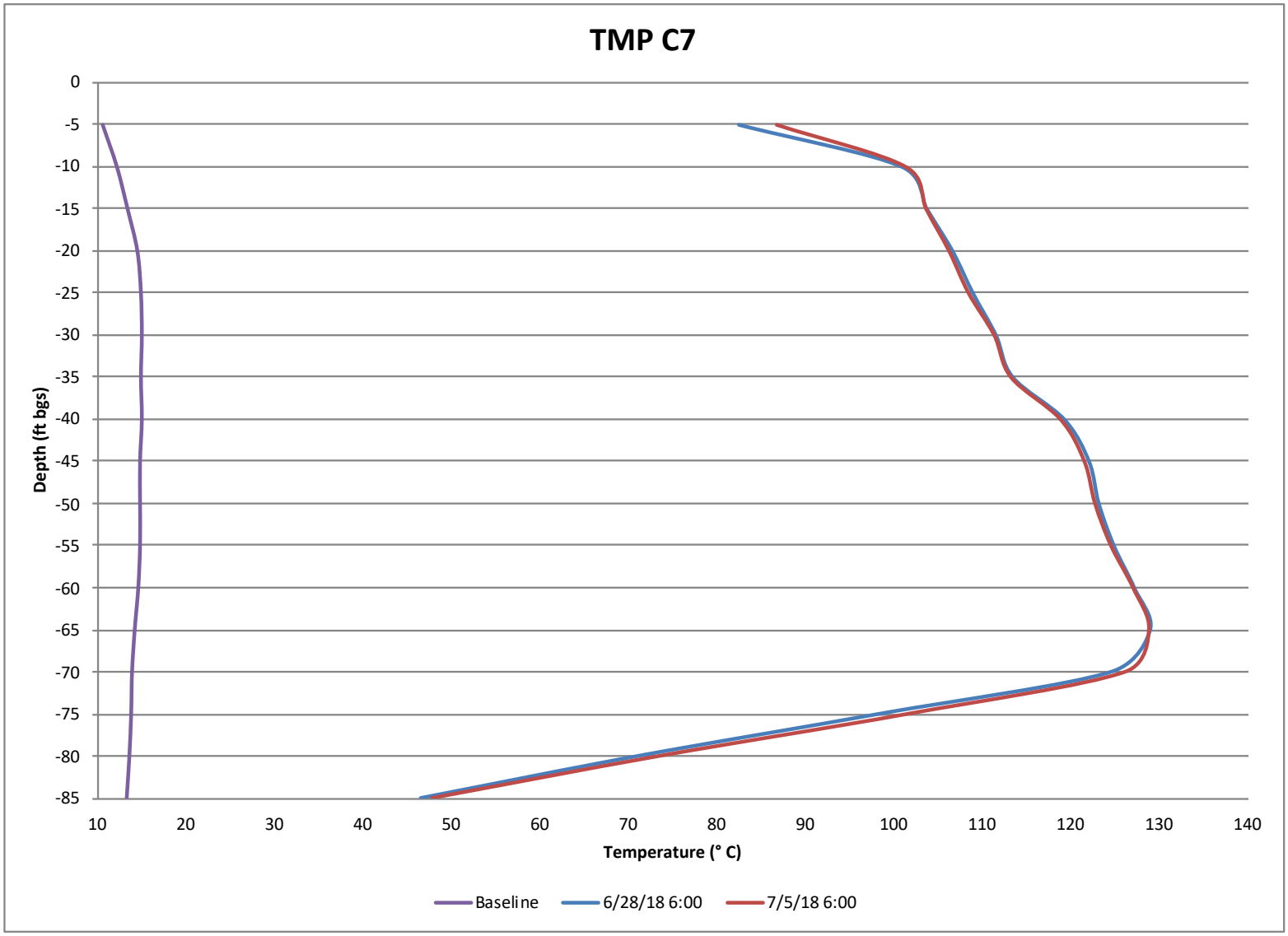


Figure 3b. TMP-C7 Temperature vs. Depth

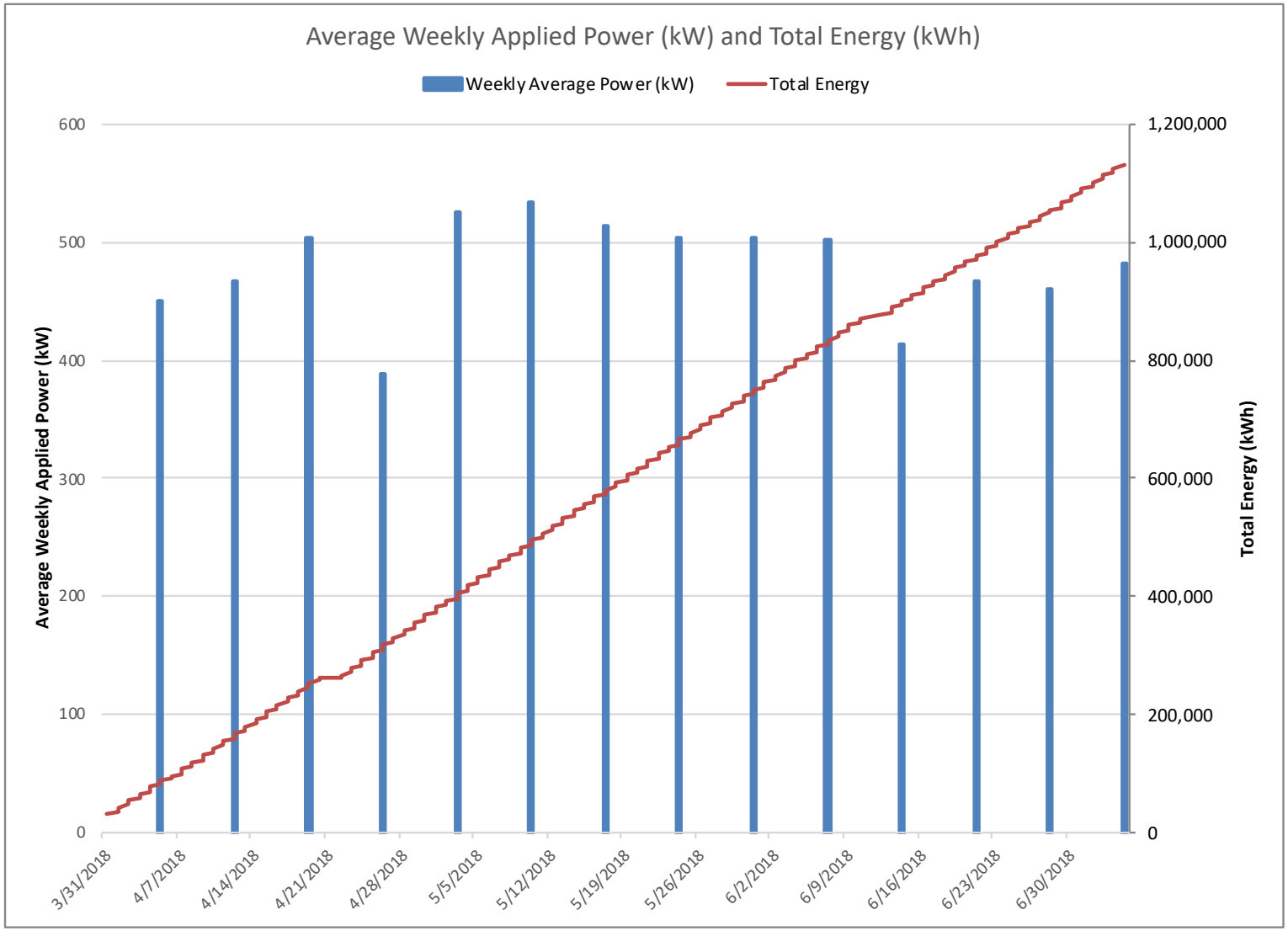


Figure 4. Average Daily Applied Power and Total Energy

July 24, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Ave. S, Seattle, WA 98144
For the Reporting Period July 5 – July 12, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending July 12, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	July 5, 2018	July 5, 2018
Average Power (kW)	481	456
Cumulative Energy Applied (kWh)	1,129,461	1,205,474
Average Site Subsurface Temperature (°C)	104.8	105.4
Average Condensate Production Rate (gpm)	1.11	0.89
Total Condensate Production (gallons)	87,652	96,581

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, voltage testing and groundwater sampling. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Power application was ceased for 7 hours and 15 minutes on July 11, 2018 so that Pacific Crest could begin interim groundwater sampling activity. Since ERH system start-up, total uptime of the ERH system is approximately 93 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of this reporting period was 105.4 degrees Celsius (°C). This is an average subsurface temperature increase of 91.4°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 0.1°C per day. The highest individual temperature measurement from within the treatment volume was 128.5°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH PCU averaged 456 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of July 12, 2018, was 1,205,474 kilowatt-hours (kWh). This represents approximately 69 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 26 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 255 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 10.2 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

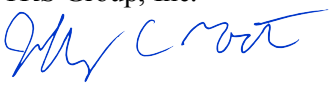
Total condensate production is approximately 96,581 gallons and the production rate averaged 0.89 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site Saturday July 14, 2018 for Pacific Crest's iterative confirmation soil sampling in the Seattle Collision Center building, followed by exterior sampling on Monday July 16, 2018.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

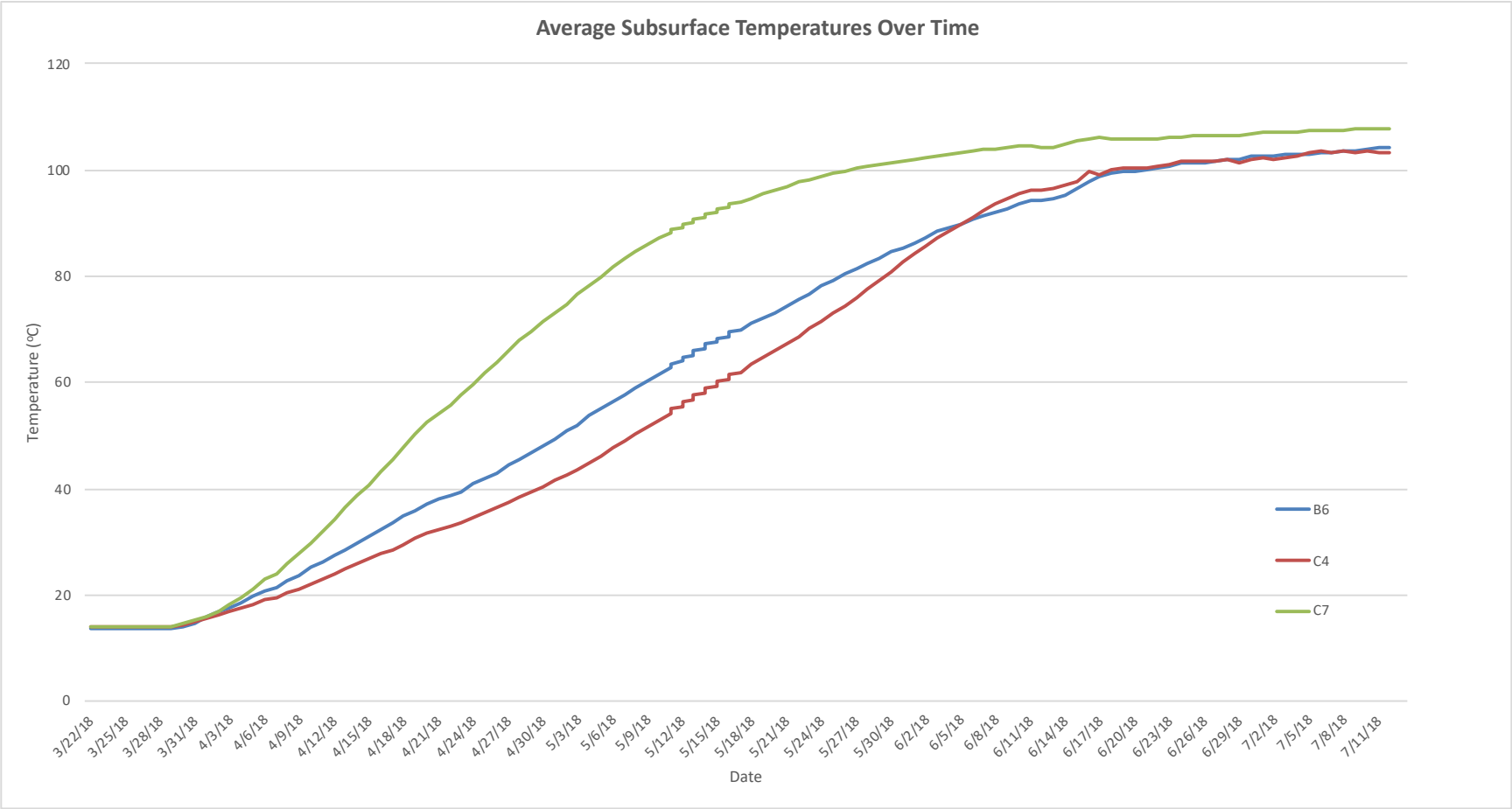


Figure 2. Average Site Subsurface Temperature vs. Time

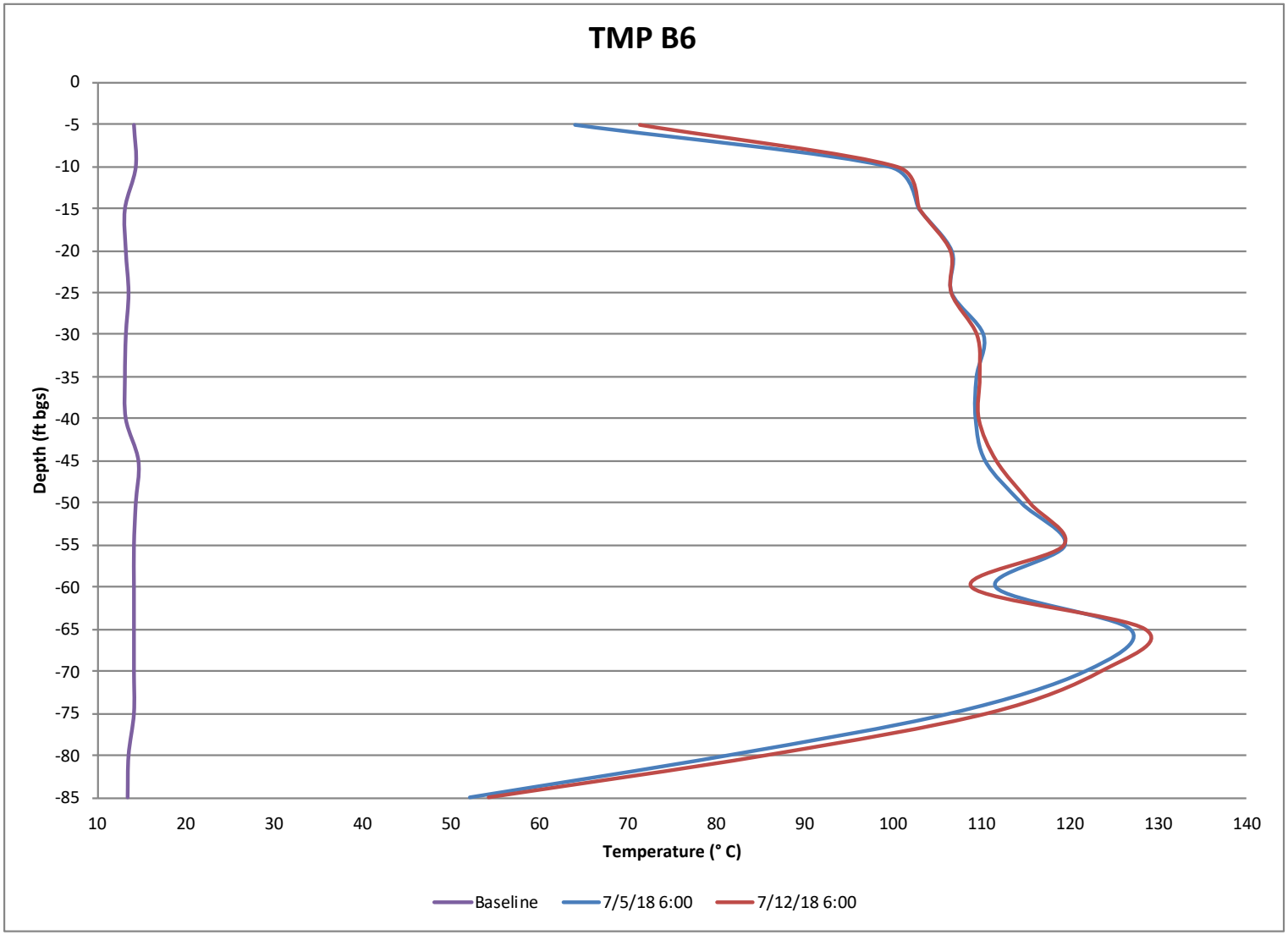


Figure 3a. TMP-B6 Temperature vs. Depth

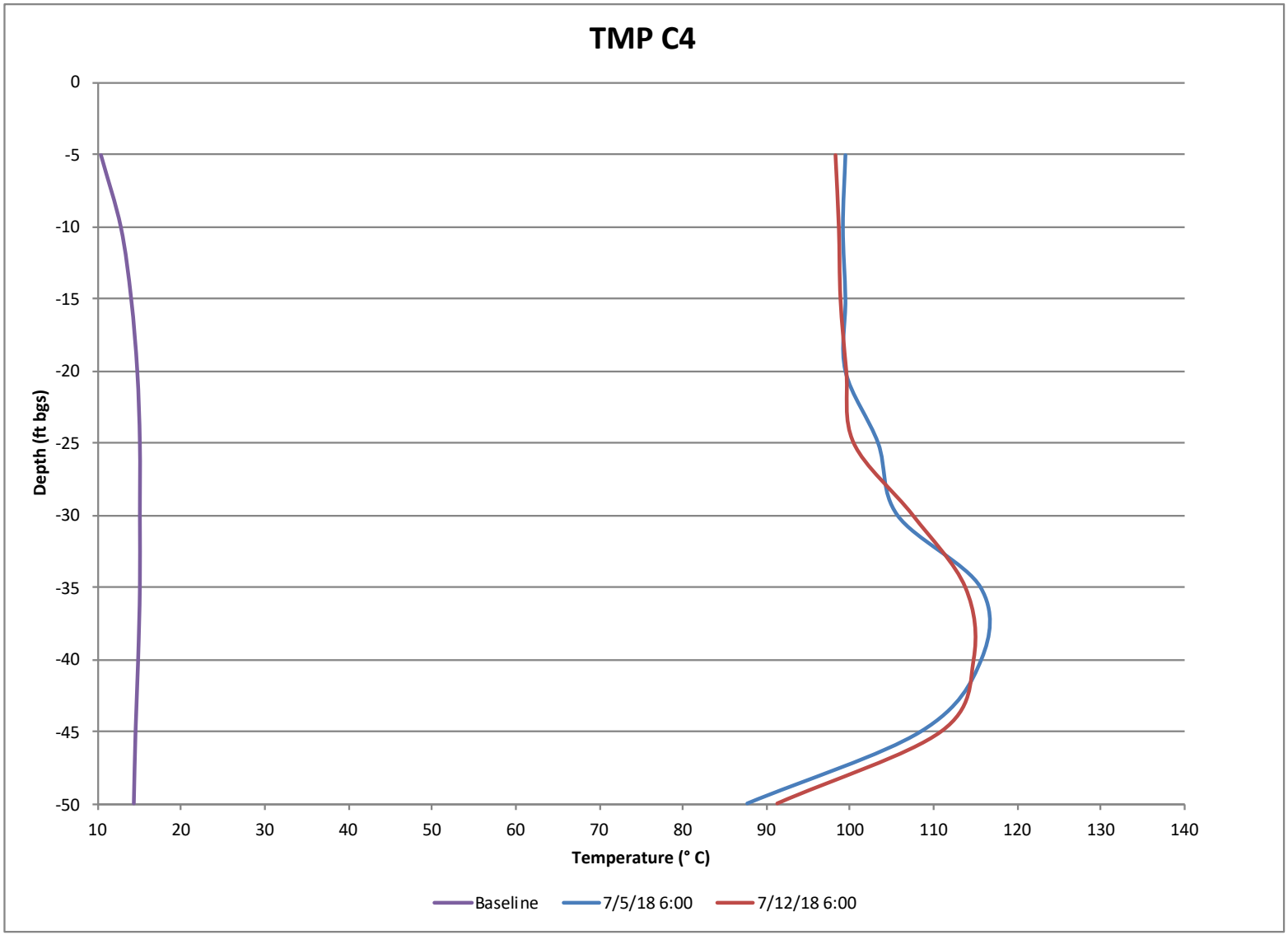


Figure 3b. TMP-C4 Temperature vs. Depth

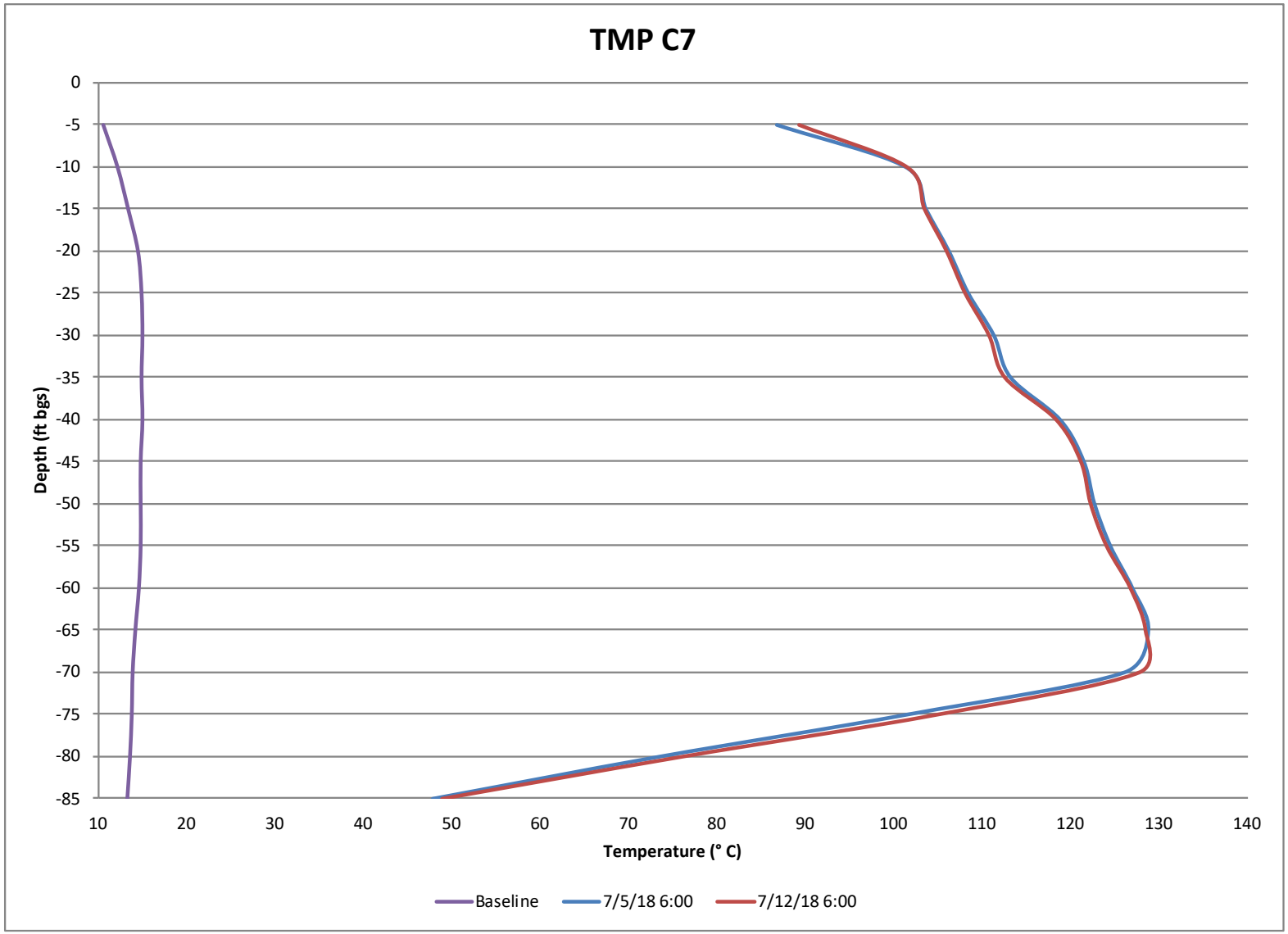


Figure 3b. TMP-C7 Temperature vs. Depth

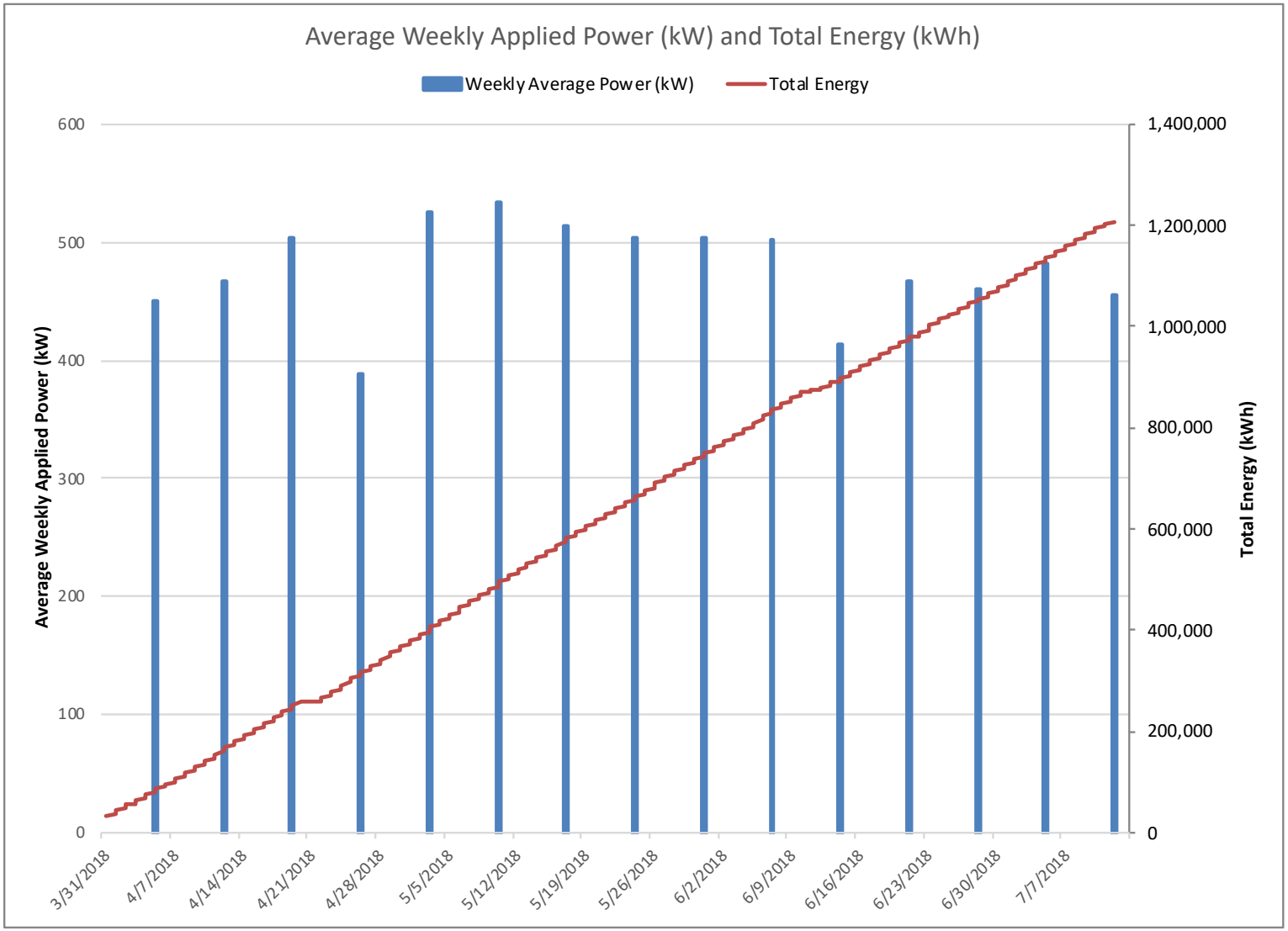


Figure 4. Average Daily Applied Power and Total Energy

July 24, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Ave., Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, WA 98144
For the Reporting Period July 12 – July 19, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending July 19, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	June 12, 2018	July 19, 2018
Average Power (kW)	456	117
Cumulative Energy Applied (kWh)	1,205,474	1,223,633
Average Site Subsurface Temperature (°C)	105.4	103.3
Average Condensate Production Rate (gpm)	0.89	0.30
Total Condensate Production (gallons)	96,581	99,648

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities were primarily related to supporting the 70 percent iterative confirmation soil and groundwater sampling conducted by Pacific Crest Environmental and restarting the system after the sampling was complete. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Power application to the subsurface was ceased for more than five days in order to facilitate the sampling efforts. Since ERH system start-up, total uptime of the ERH system is approximately 87 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 103.3 degrees Celsius (°C). This is an average subsurface temperature increase of 89.3°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately -0.3°C per day due to the down time for soil and groundwater sampling. The highest individual temperature measurement from within the treatment volume was 127.4°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 117 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of July 19, 2018, was 1,223,633 kilowatt-hours (kWh). This represents approximately 70 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 270 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 10.9 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

Total condensate production is approximately 99,648 gallons and the production rate averaged 0.30 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system. The dosing of the condensate stream with BioSide HS (as approved by King County Industrial Waste Pretreatment Program on July 13, 2018) has been effective in controlling the biofilm growth that was observed in recent weeks. As requested by King County, TRS has monitored the pH of the discharge to the sanitary sewer after each application to ensure ongoing compliance with the discharge permit, and there have been no exceedances of the 5.5 pH limit.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of July 23, 2018 to conduct additional monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

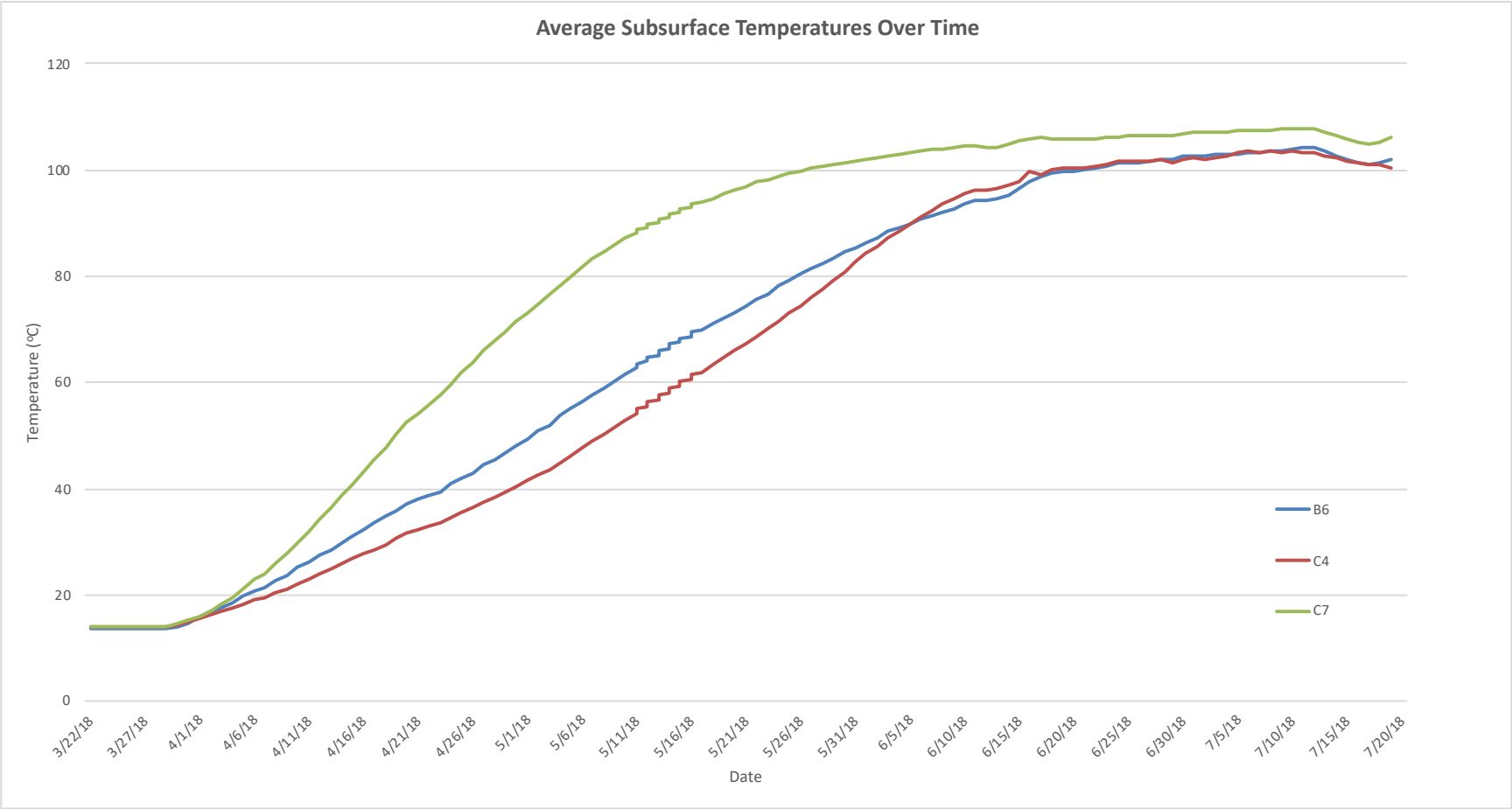


Figure 2. Average Site Subsurface Temperature vs. Time

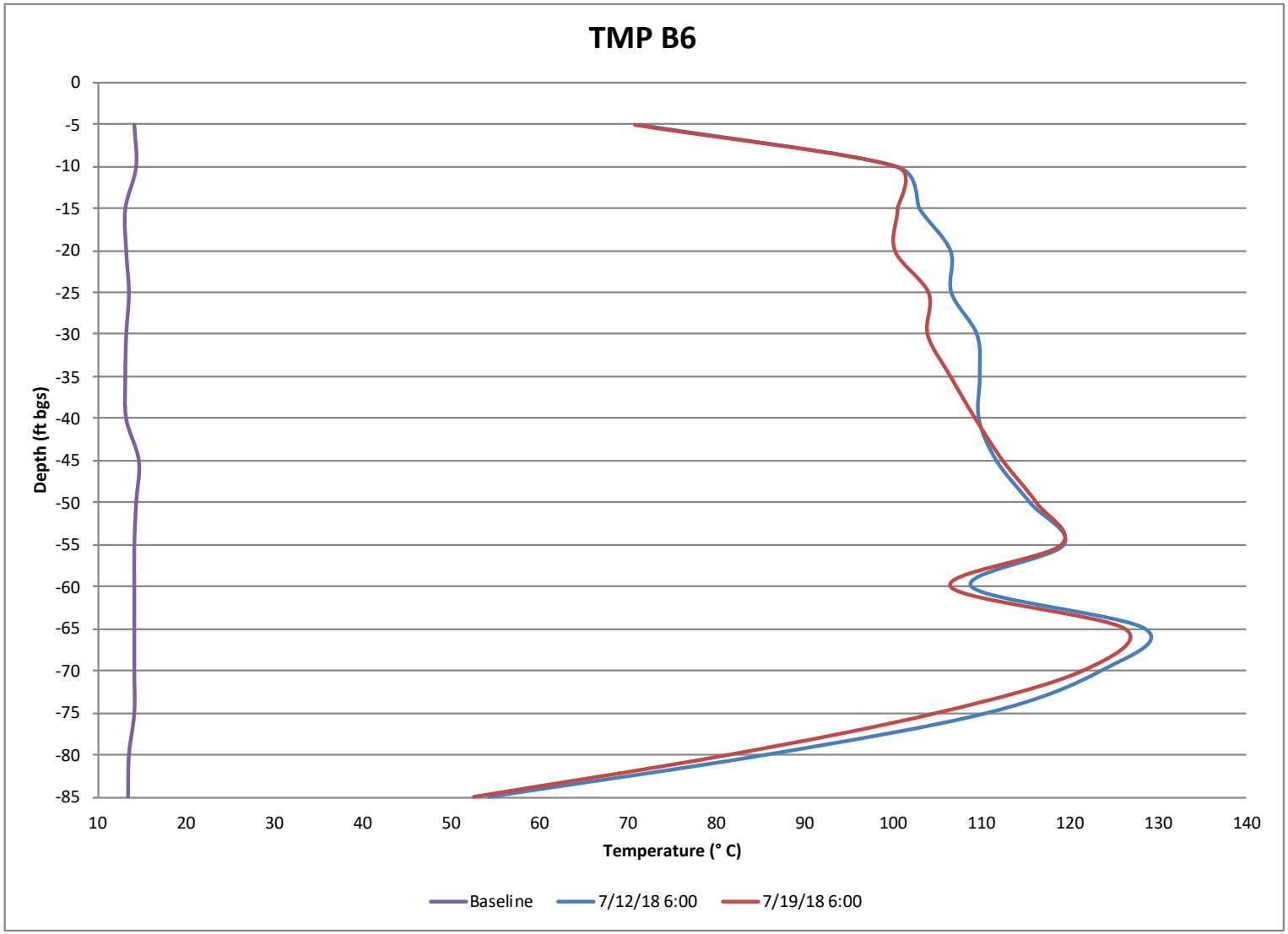


Figure 3a. TMP-B6 Temperature vs. Depth

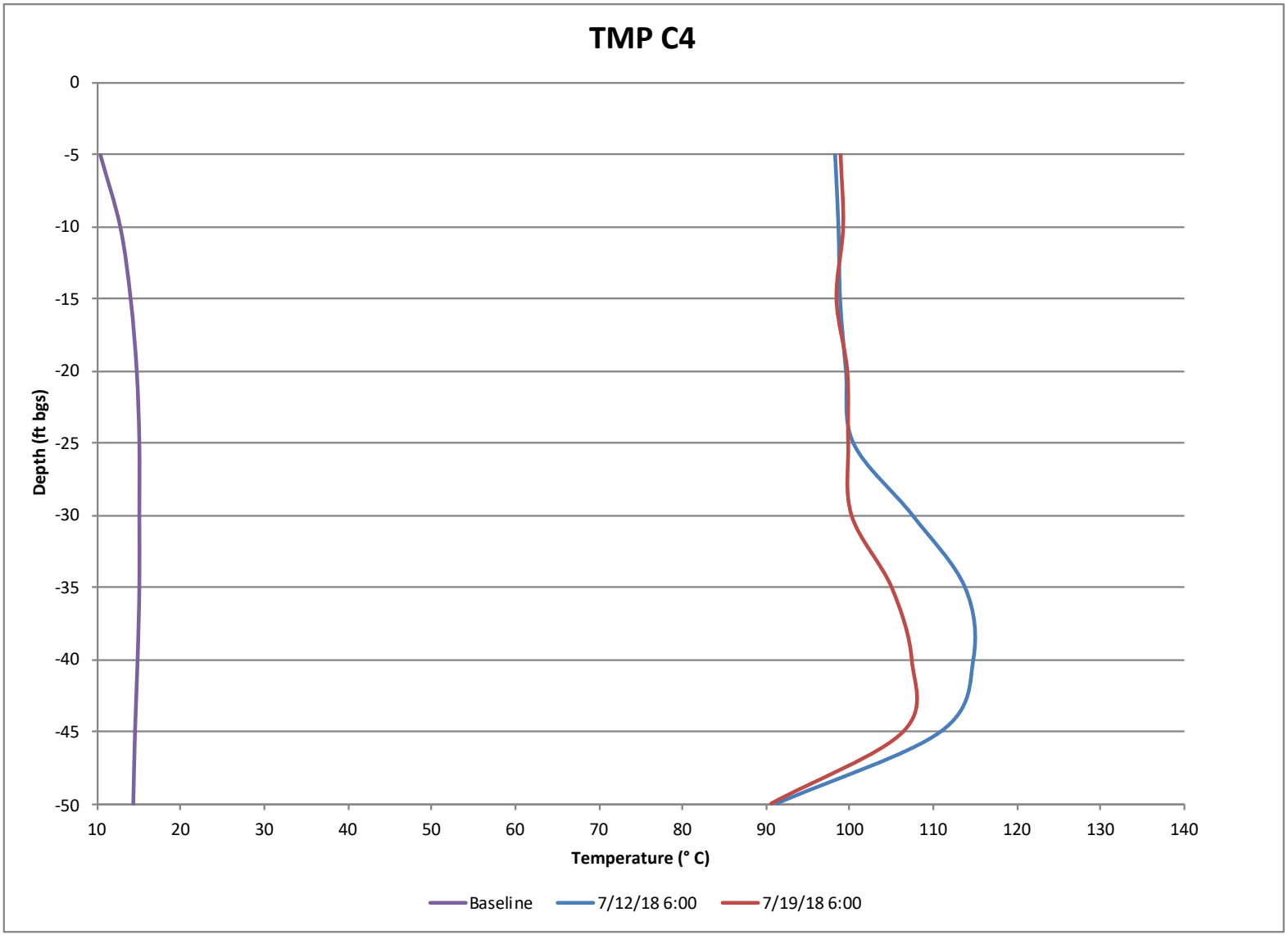


Figure 3b. TMP-C4 Temperature vs. Depth

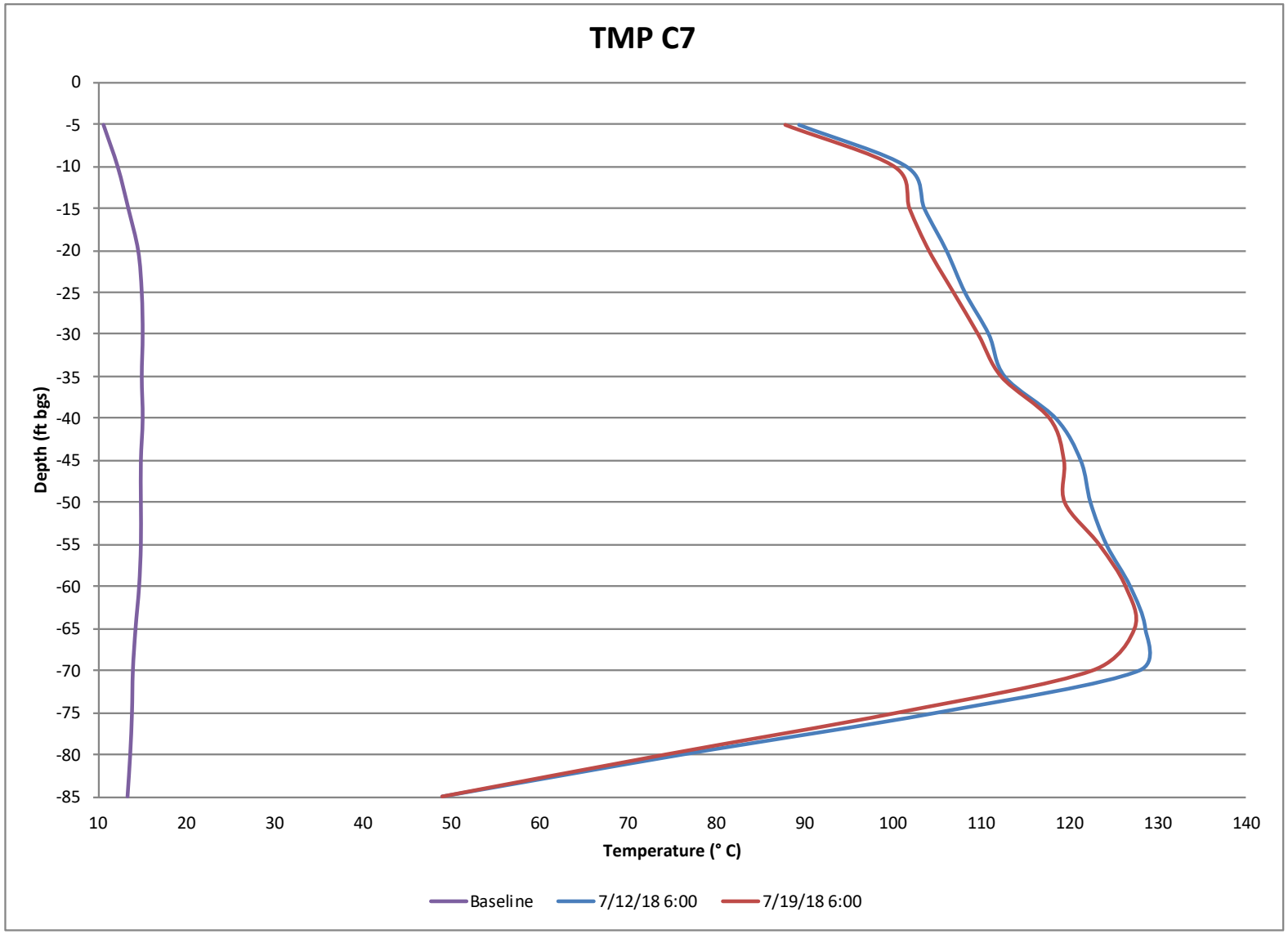


Figure 3b. TMP-C7 Temperature vs. Depth

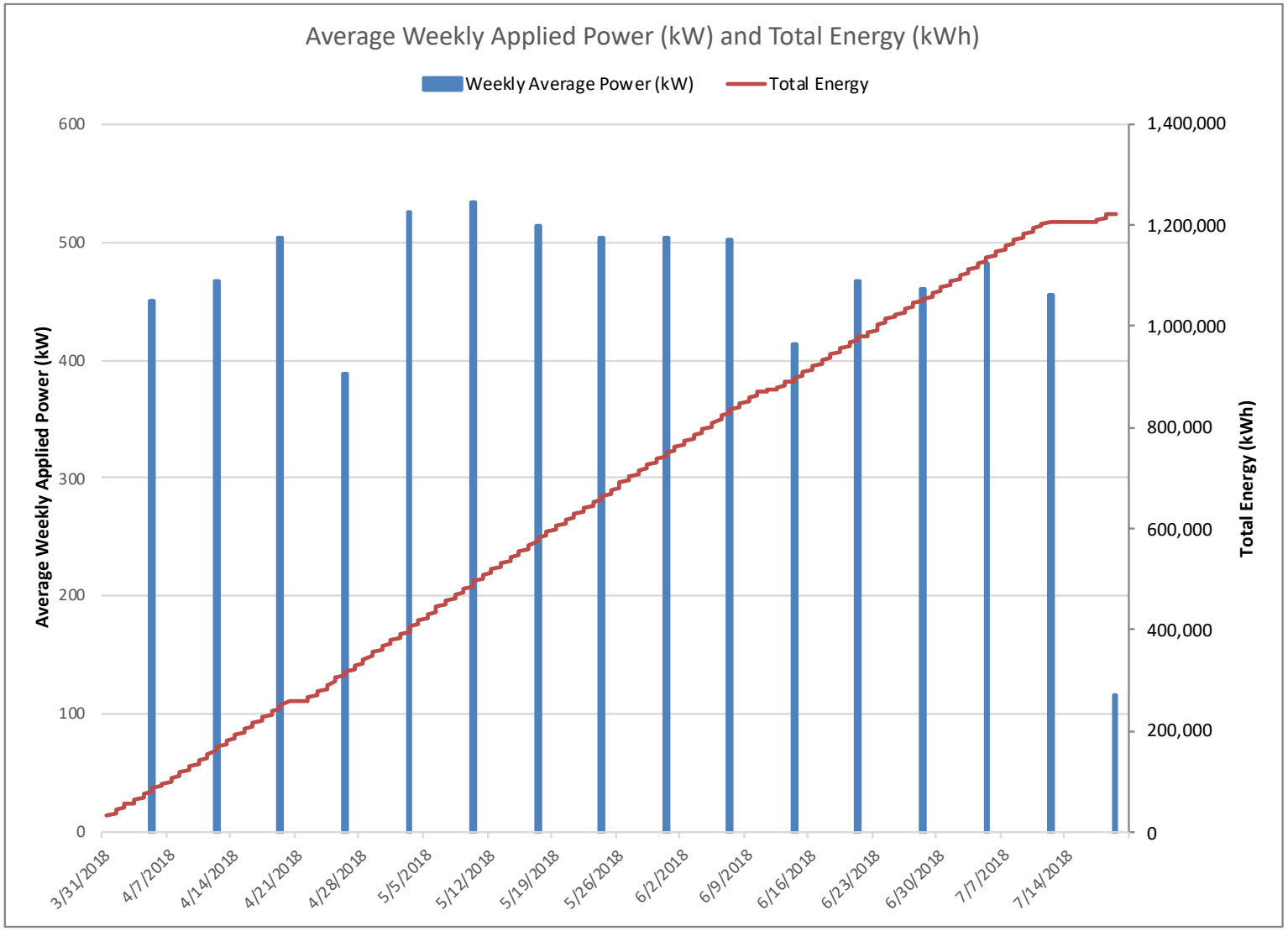


Figure 4. Average Daily Applied Power and Total Energy

July 31, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period July 19 – July 26, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending July 26, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	June 19, 2018	July 26, 2018
Average Power (kW)	117	414
Cumulative Energy Applied (kWh)	1,223,633	1,291,699
Average Site Subsurface Temperature (°C)	103.3	105.3
Average Condensate Production Rate (gpm)	0.30	0.75
Total Condensate Production (gallons)	99,648	107,215

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Since ERH system start-up, total uptime of the ERH system is approximately 87 percent.

Soil and groundwater sampling data was received on July 19-20, 2018, and after review, power application was ceased in certain portions of the treatment area on Monday July 23, 2018. Specifically, the deeper "C" zone and "D" zone electrode elements from 50 to 85 feet below ground surface were disconnected throughout the treatment area. Shallow "A" zone and "B" zone electrode

elements were disconnected at electrodes B3, B4, and B5 below the Seattle Collision Center building. An updated energy budget estimate is provided in the Power and Energy section below.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 105.3 degrees Celsius (°C). This is an average subsurface temperature increase of 91.3°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 0.3°C per day and represents a return to the site average temperature prior to last week's shut down for 70 percent interim soil and groundwater sampling. The highest individual temperature measurement from within the treatment volume was 126.8°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 414 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of July 26, 2018, was 1,291,699 kilowatt-hours (kWh). This represents approximately 74 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

Based on the 70 percent interim soil and groundwater sampling results and the cessation of power application in the areas and depths described above, it is likely that remediation goals will be achieved prior to the 1,750,000-kWh design energy being reached. The next iterative confirmation sampling is scheduled for the week of August 13, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 265 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 11.2 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

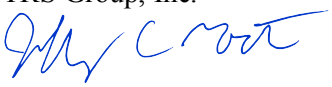
Total condensate production is approximately 107,215 gallons and the production rate averaged 0.75 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system. The dosing of the condensate stream with BioSide HS (as approved by King County Industrial Waste Pretreatment Program on July 13, 2018) has been effective in controlling the biofilm growth that was observed in recent weeks. As requested by King County, TRS has monitored the pH of the discharge to the sanitary sewer after each application to ensure ongoing compliance with the discharge permit, and there have been no exceedences of the 5.5 pH limit.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of July 30, 2018 to conduct additional monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

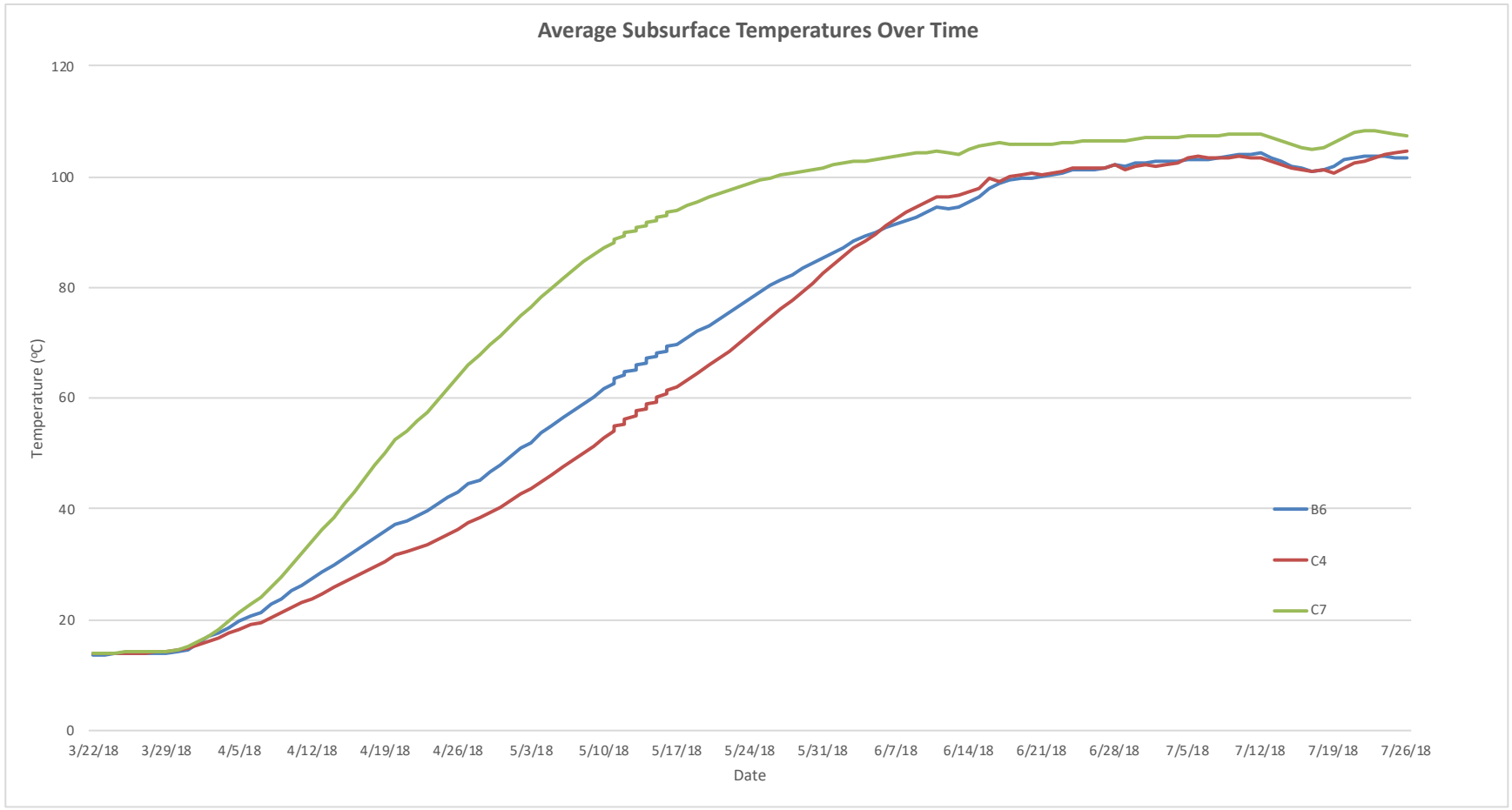


Figure 2. Average Site Subsurface Temperature vs. Time

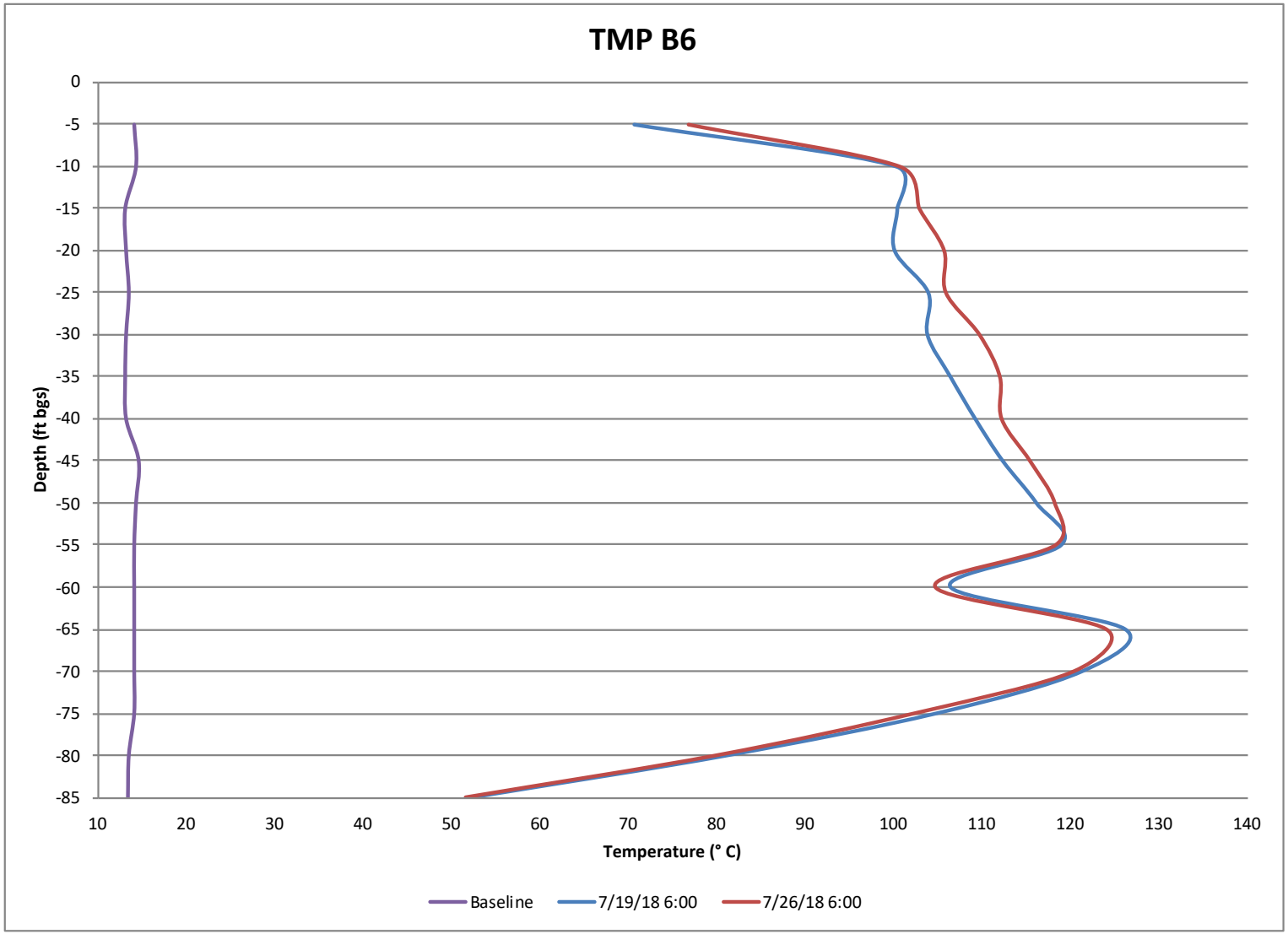


Figure 3a. TMP-B6 Temperature vs. Depth

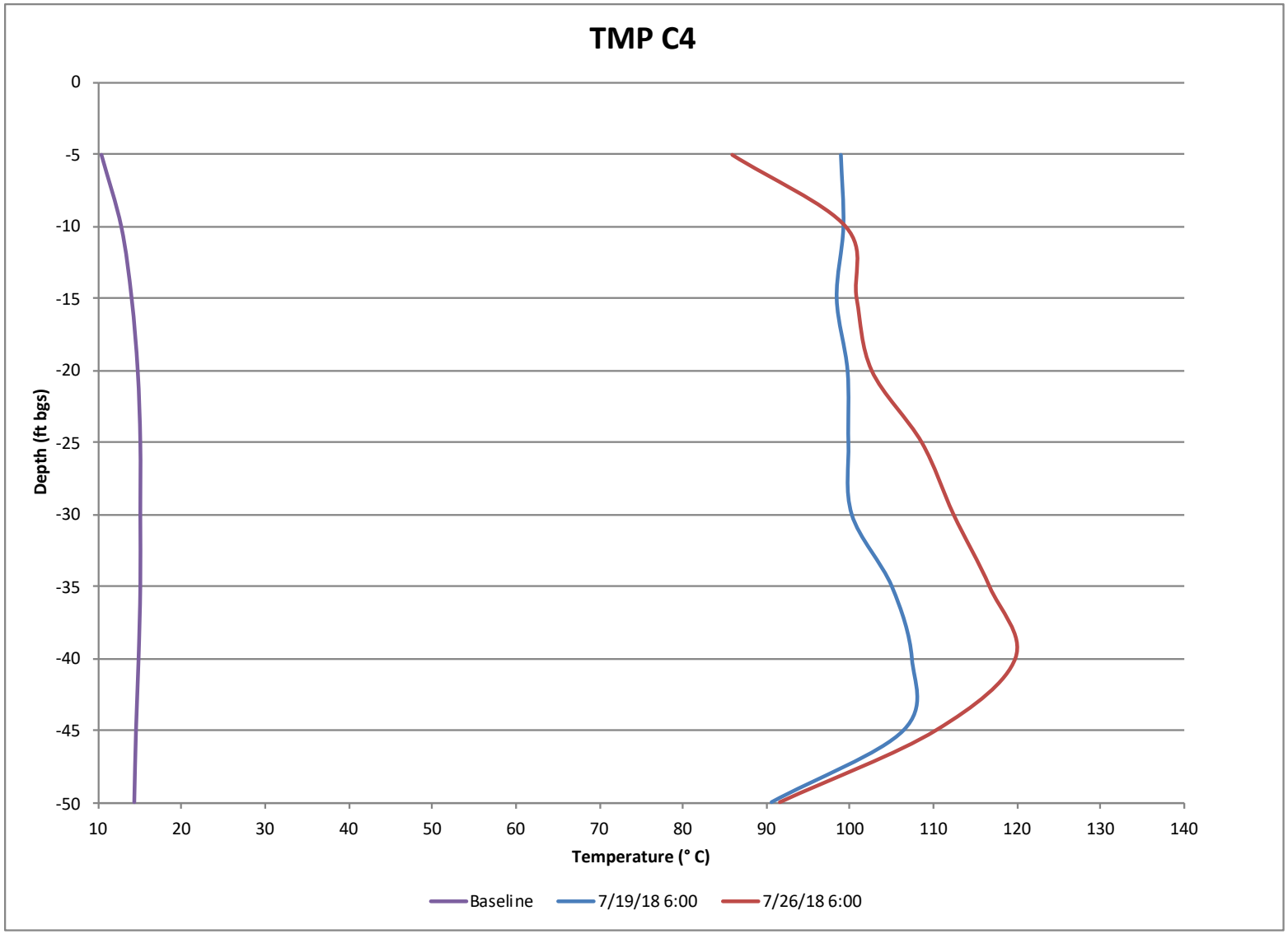


Figure 3b. TMP-C4 Temperature vs. Depth

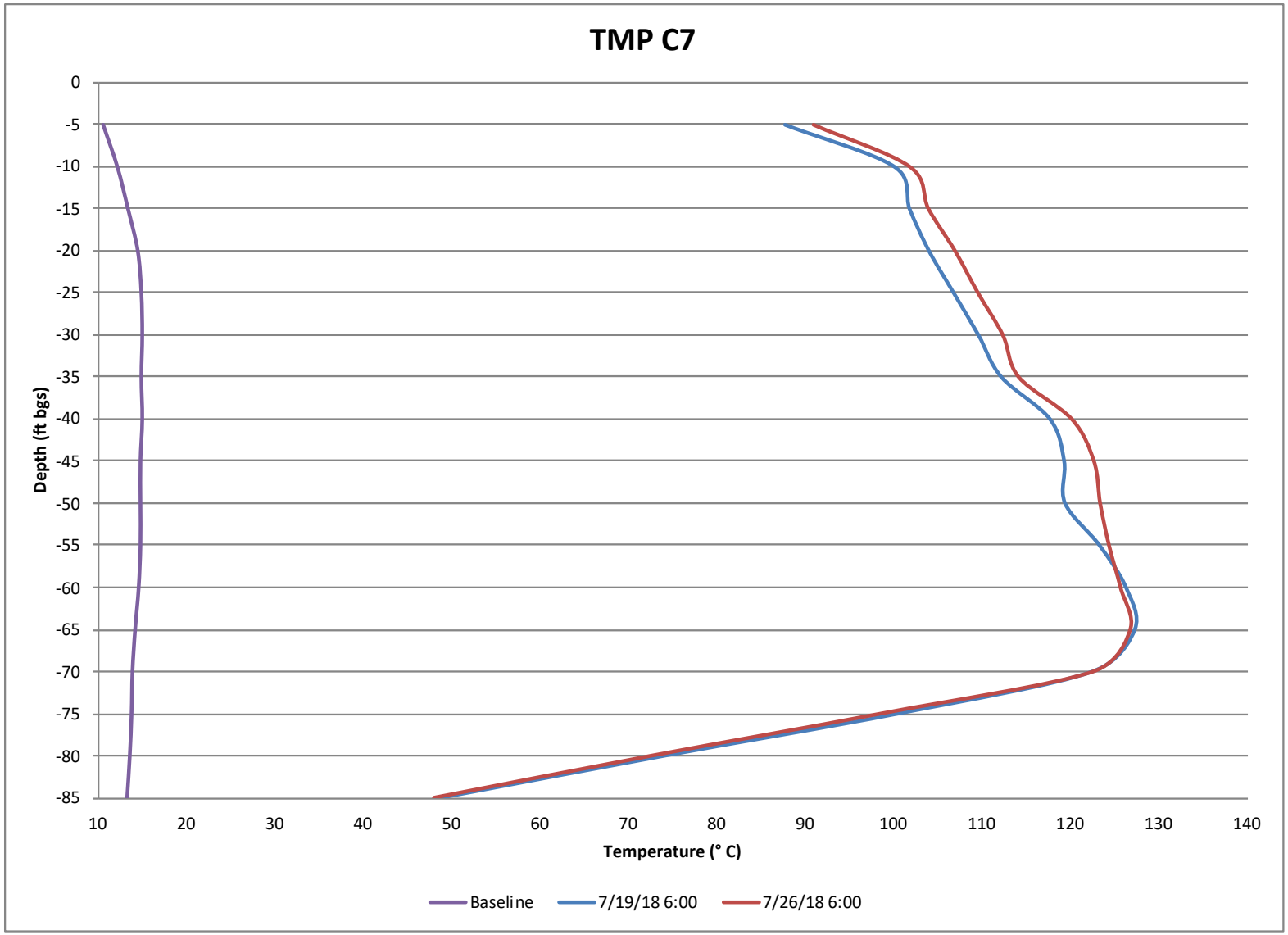


Figure 3b. TMP-C7 Temperature vs. Depth

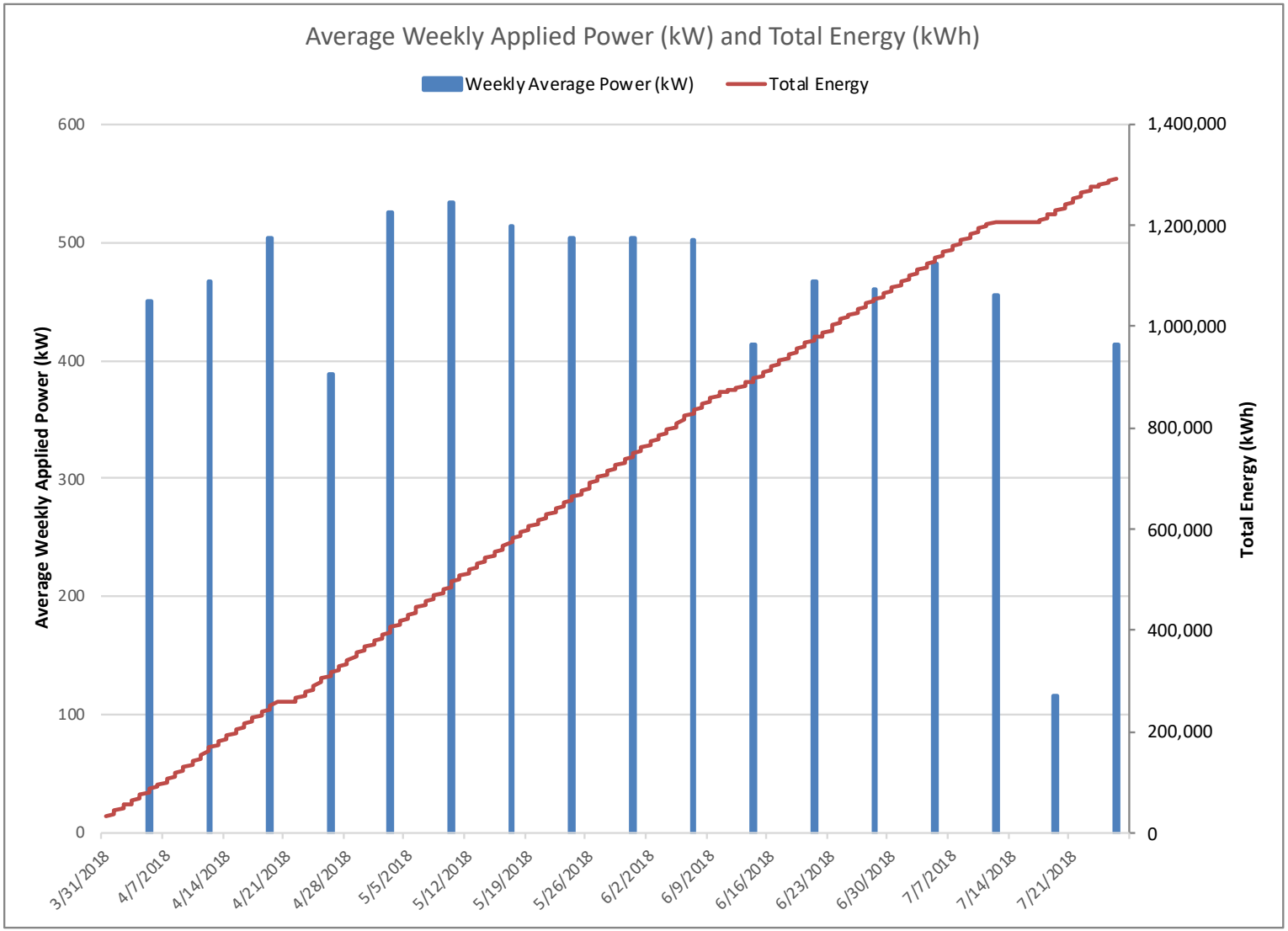


Figure 4. Average Daily Applied Power and Total Energy

August 15, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period July 26 – August 2, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending August 2, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	July 26, 2018	August 2, 2018
Average Power (kW)	414	298
Cumulative Energy Applied (kWh)	1,291,699	1,341,462
Average Site Subsurface Temperature (°C)	105.3	104.3
Average Condensate Production Rate (gpm)	0.75	0.98
Total Condensate Production (gallons)	107,215	117,130

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was one unplanned shutdown longer than one hour in duration (1 hour and 27 minutes due to a security alarm). Total downtime during the reporting period was 1 hour and 49 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 88 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 104.3 degrees Celsius (°C). This is an average subsurface temperature increase of 90.3°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately -0.1°C per day suggesting that temperatures have been maintained throughout the treatment area but have fallen slightly in the areas that were shut down on July 25, 2018. The highest individual temperature measurement from within the treatment volume was 125.9°C, recorded at temperature monitoring point (TMP) C7, at a depth of 65 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 298 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of August 2, 2018, was 1,341,462 kilowatt-hours (kWh). This represents approximately 77 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 265 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 11.5 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

Total condensate production is approximately 117,130 gallons and the production rate averaged 0.98 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of August 6, 2018 to conduct additional monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

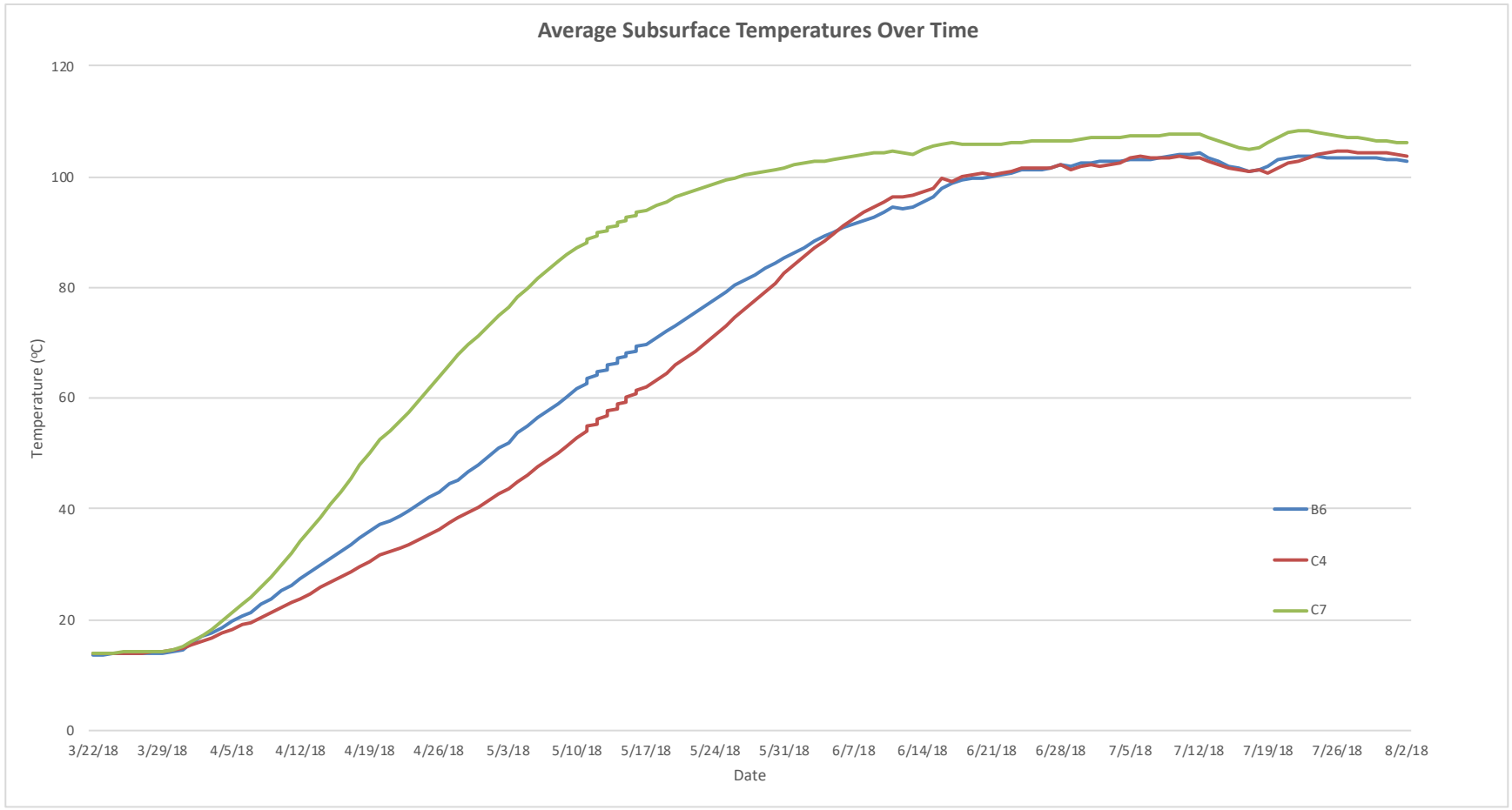


Figure 2. Average Site Subsurface Temperature vs. Time

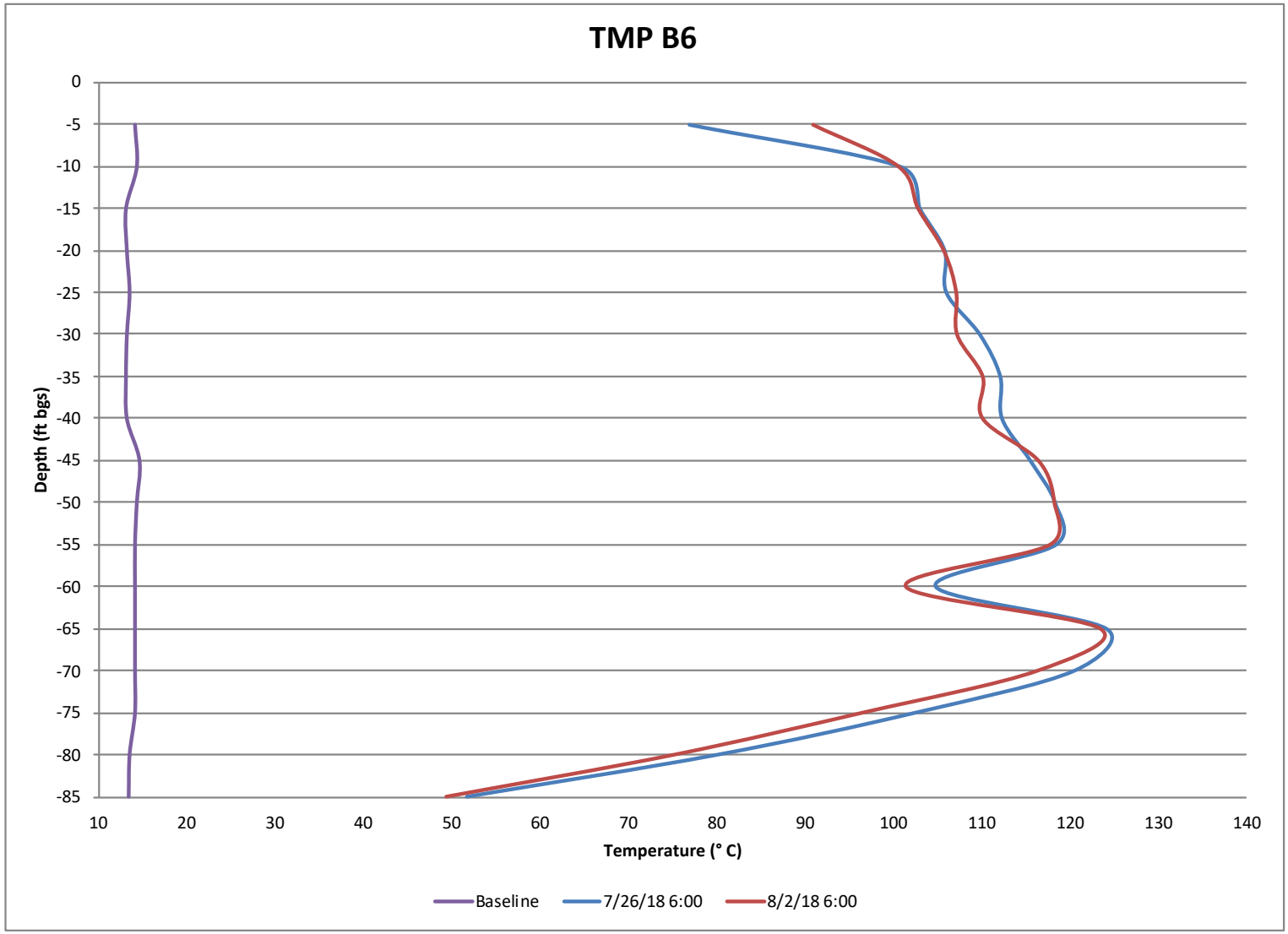


Figure 3a. TMP-B6 Temperature vs. Depth

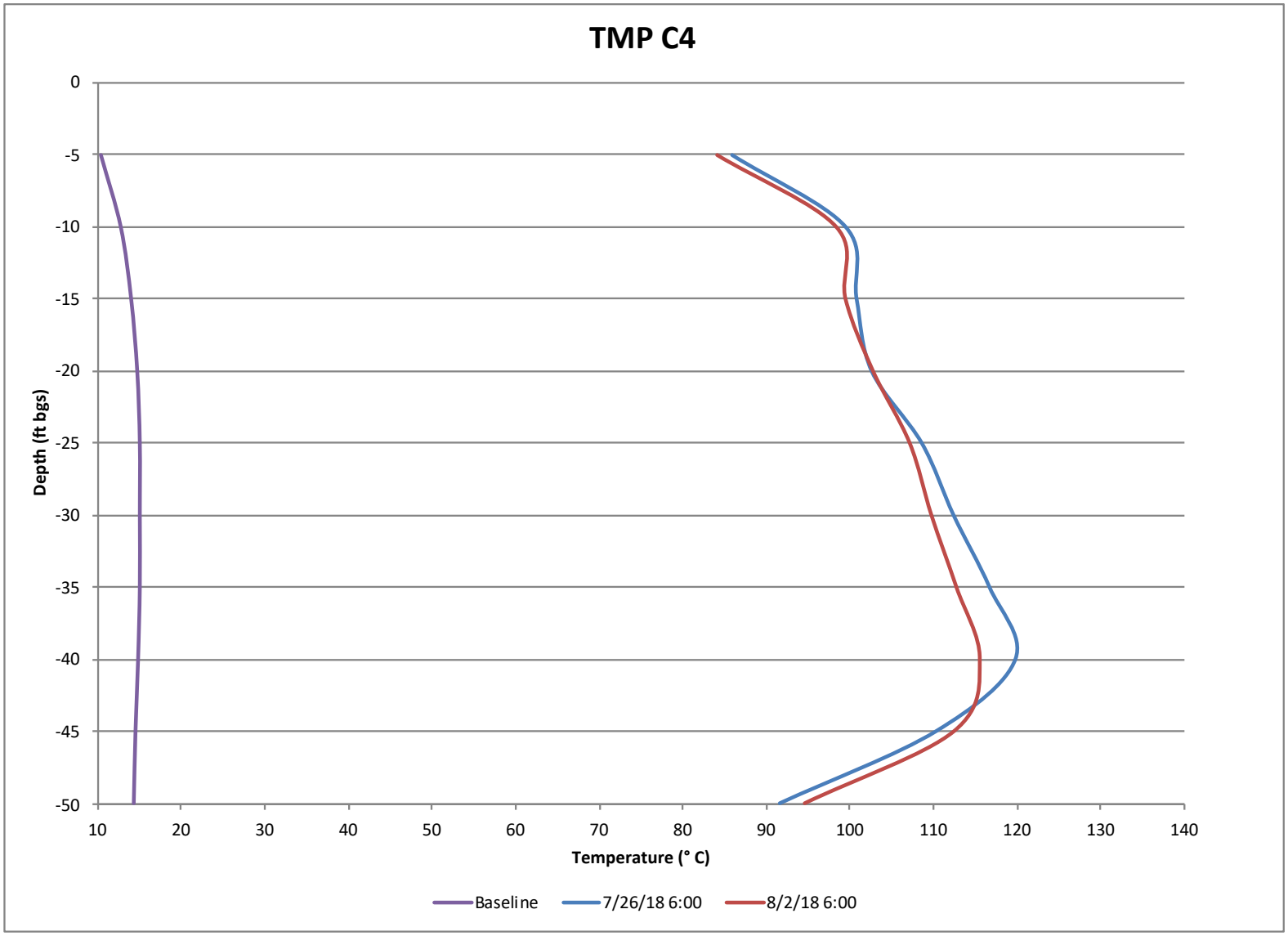


Figure 3b. TMP-C4 Temperature vs. Depth

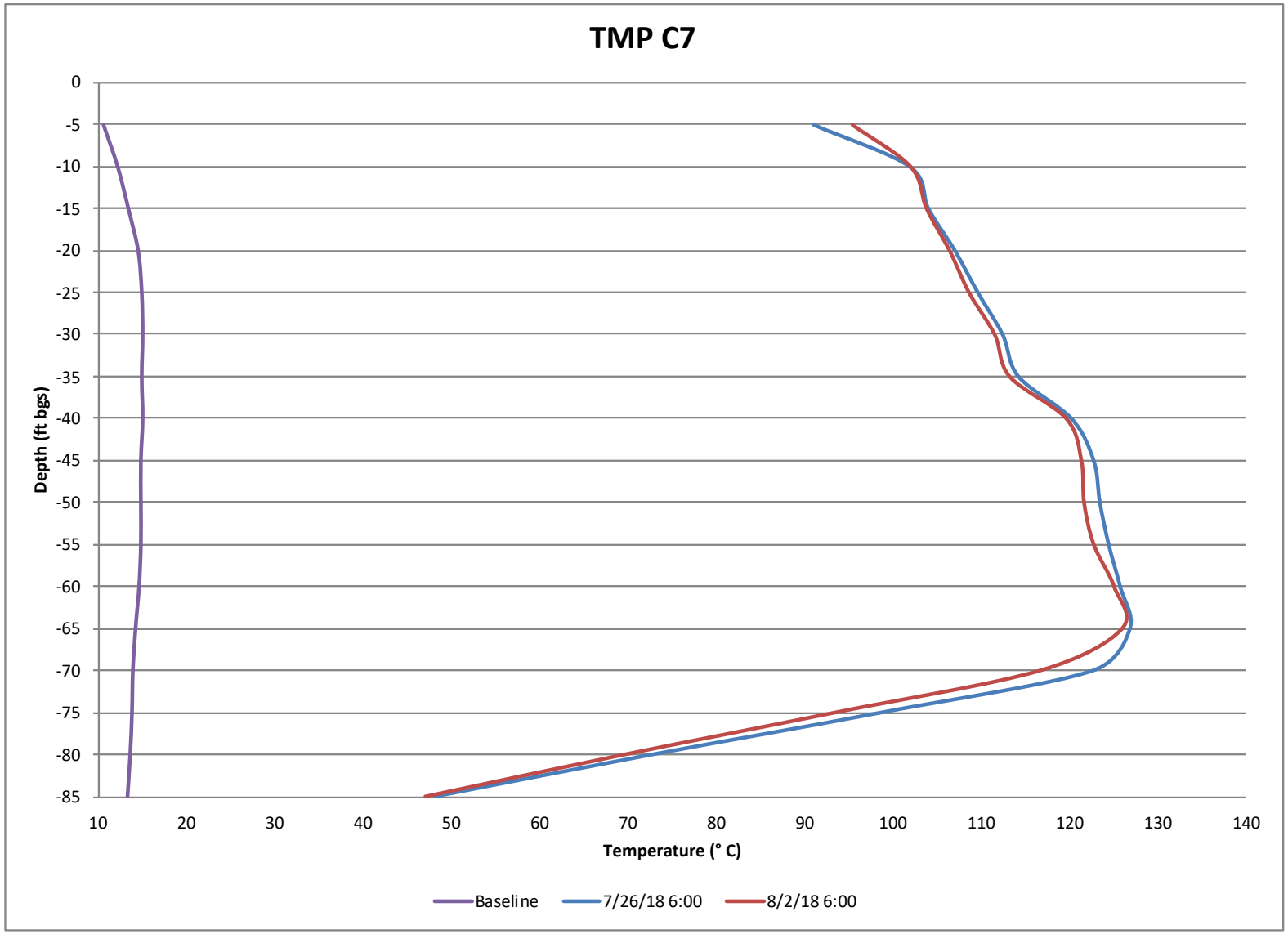


Figure 3b. TMP-C7 Temperature vs. Depth

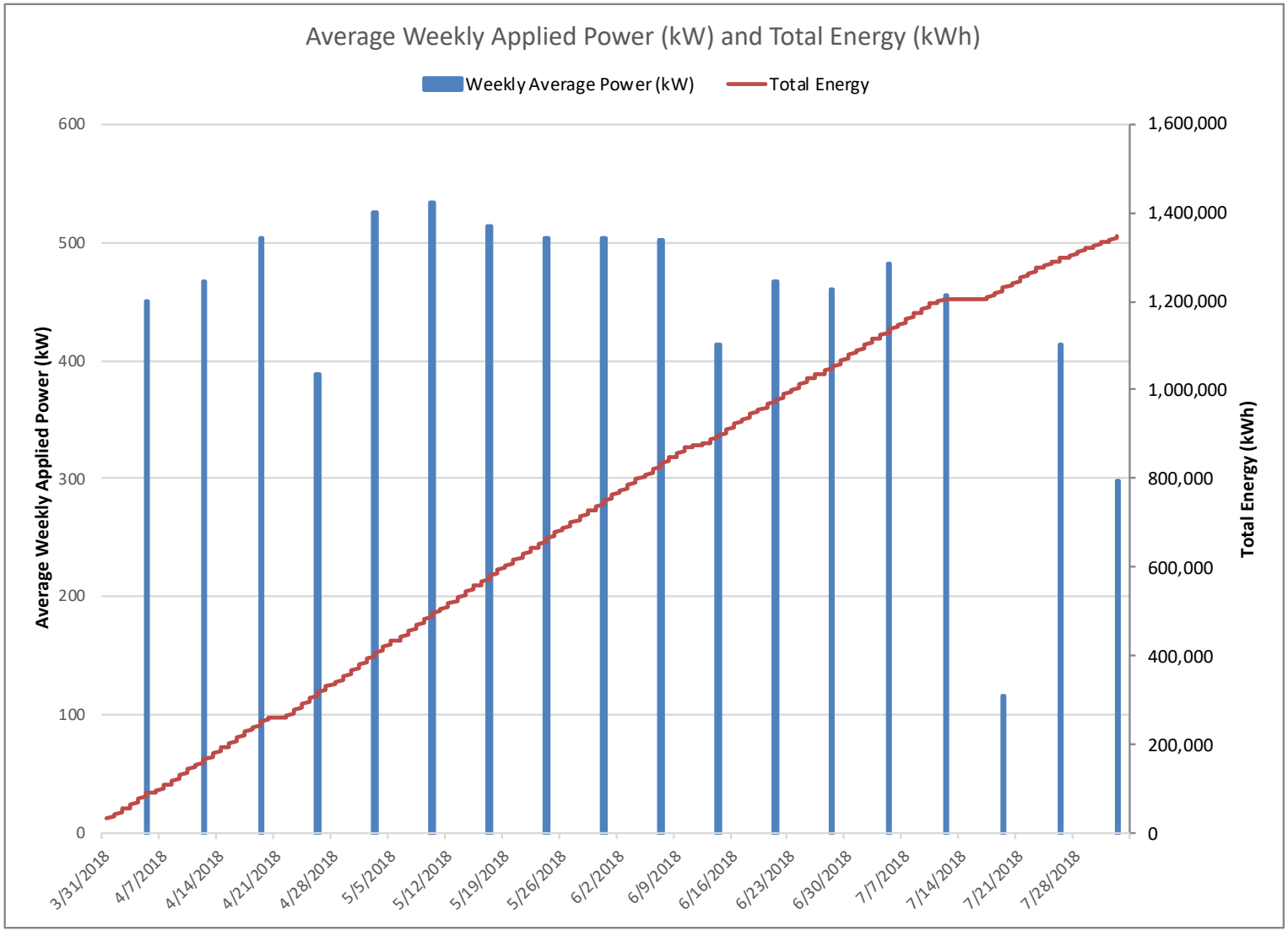


Figure 4. Average Daily Applied Power and Total Energy

August 15, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period August 2 – August 9, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending August 9, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	August 2, 2018	August 9, 2018
Average Power (kW)	298	250
Cumulative Energy Applied (kWh)	1,341,462	1,383,083
Average Site Subsurface Temperature (°C)	104.3	103.0
Average Condensate Production Rate (gpm)	0.98	0.86
Total Condensate Production (gallons)	117,130	125,815

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing and groundwater sampling. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. On August 8, 2018 power application was ceased for groundwater sampling resulting in a total downtime during the reporting period of 14 hours and 42 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 88 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 103.0 degrees Celsius (°C). This is an average subsurface temperature increase of 89.0°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately -0.2°C per day suggesting that temperatures have been maintained throughout the treatment area but have fallen slightly in the areas that were shut down on July 25, 2018. The highest individual temperature measurement from within the treatment volume was 124.9°C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 250 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of August 9, 2018, was 1,383,083 kilowatt-hours (kWh). This represents approximately 79 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 260 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 11.7 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

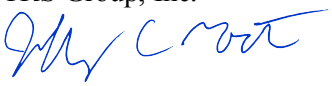
Total condensate production is approximately 125,815 gallons and the production rate averaged 0.86 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of August 13, 2018 to conduct additional monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

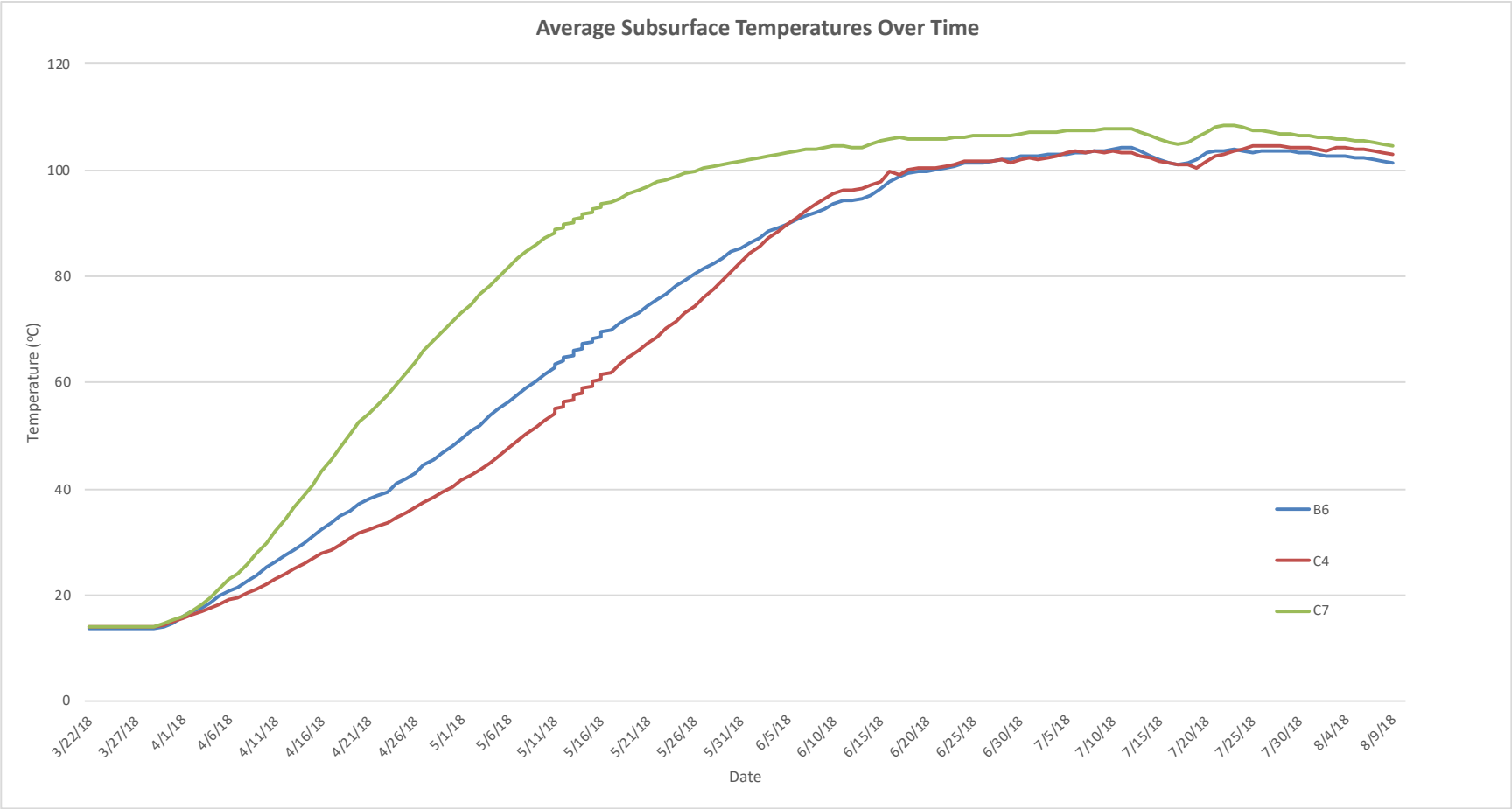


Figure 2. Average Site Subsurface Temperature vs. Time

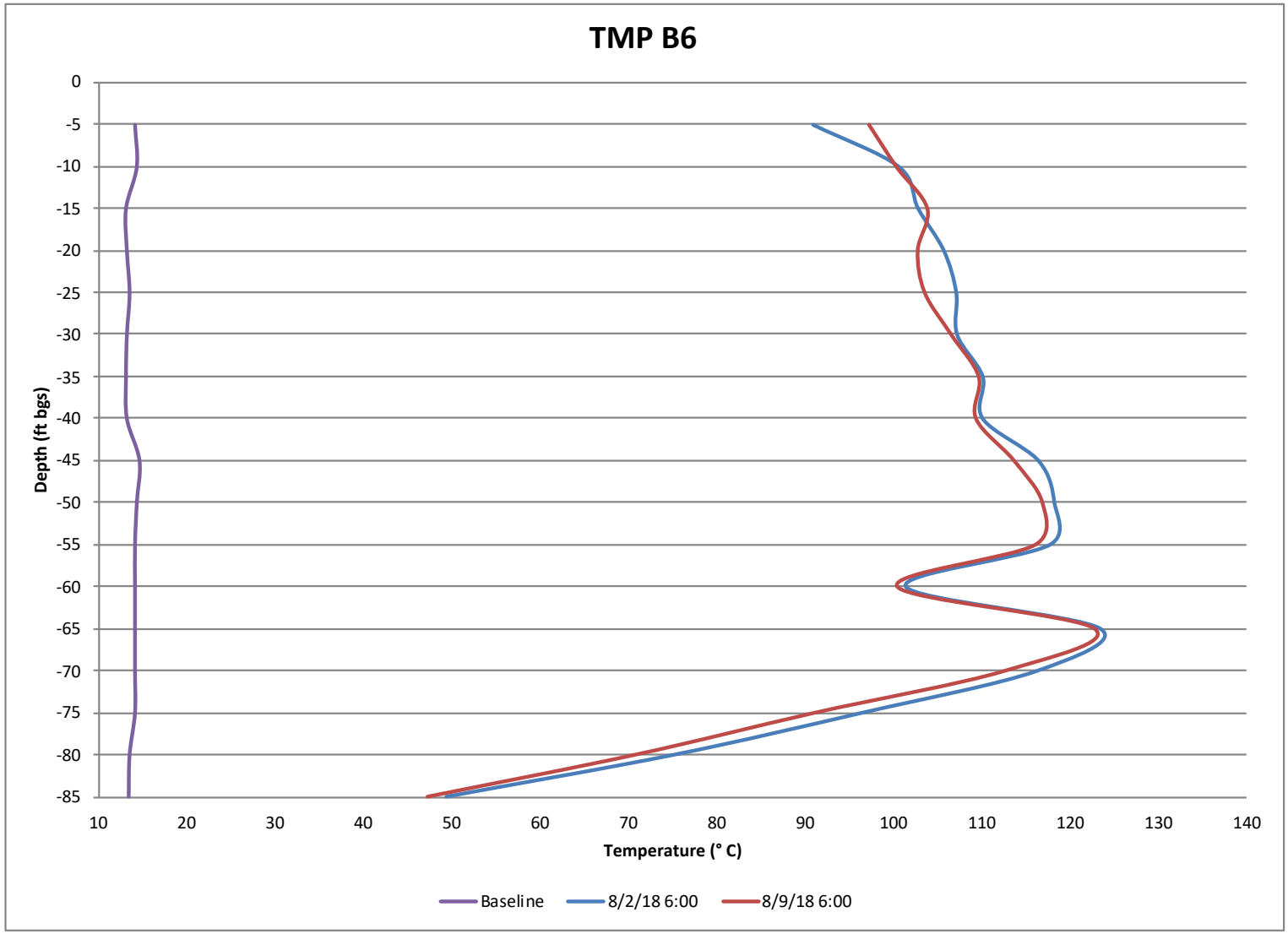


Figure 3a. TMP-B6 Temperature vs. Depth

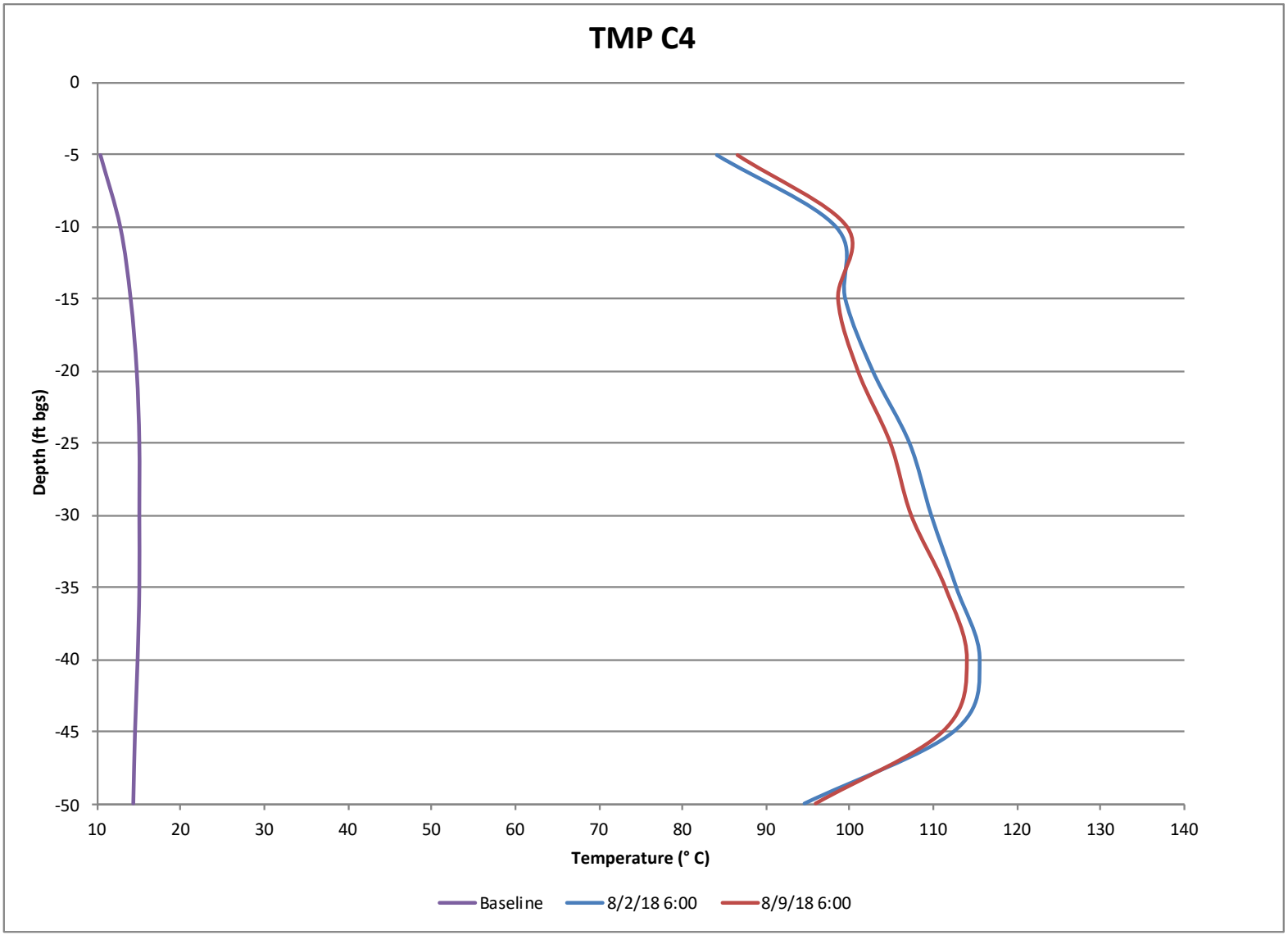


Figure 3b. TMP-C4 Temperature vs. Depth

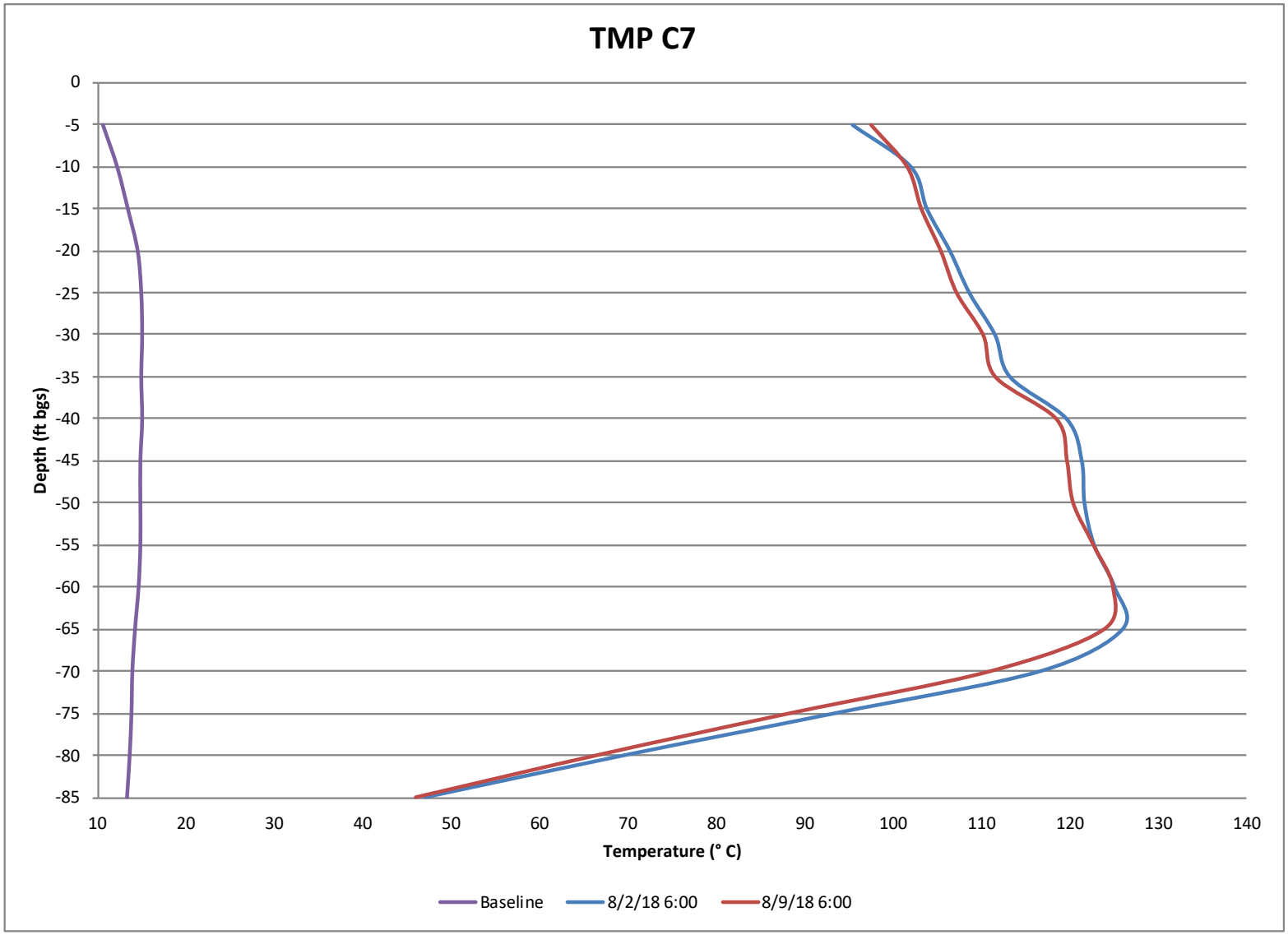


Figure 3b. TMP-C7 Temperature vs. Depth

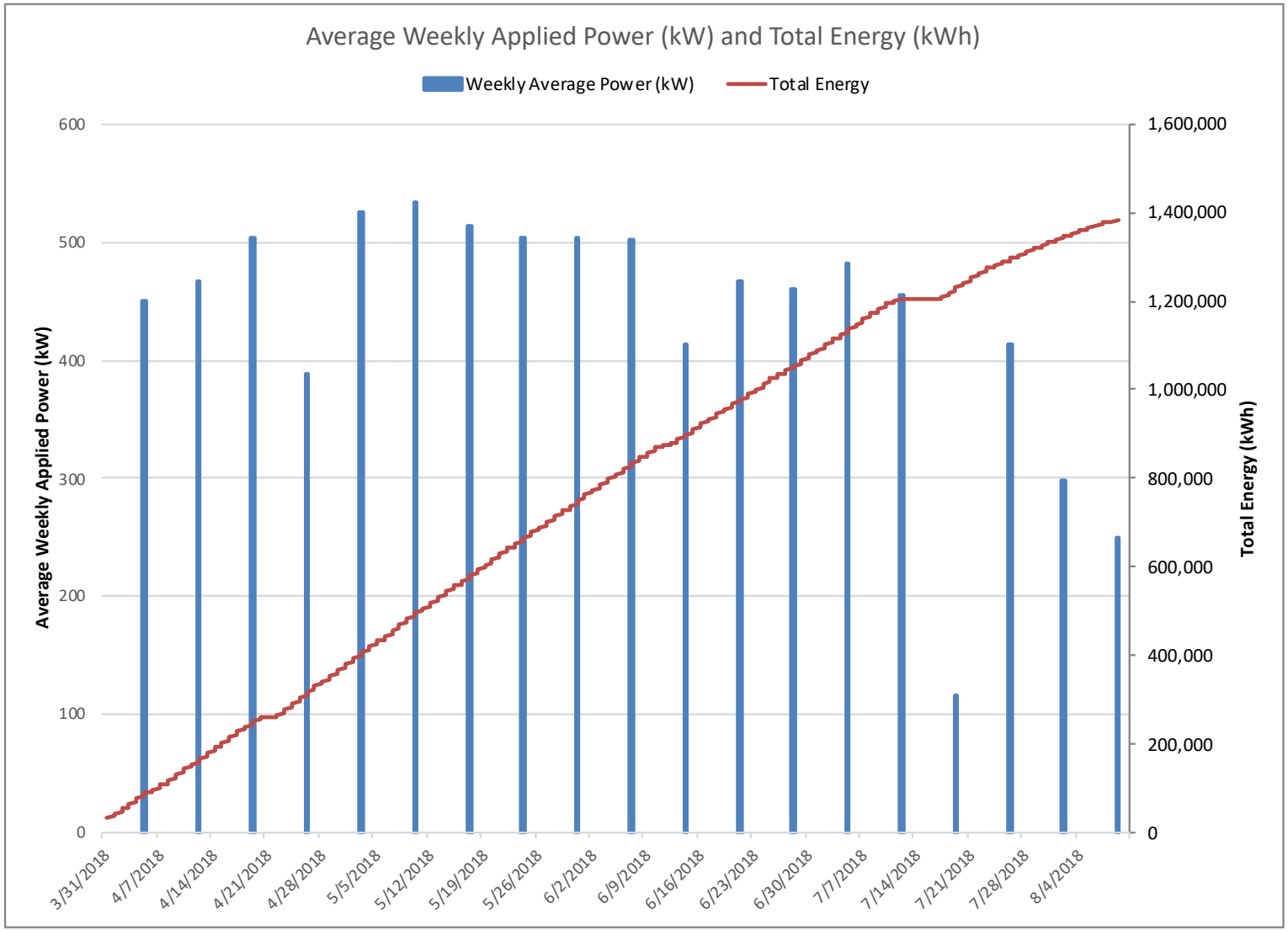


Figure 4. Average Daily Applied Power and Total Energy

August 22, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period August 9 – August 16, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending August 16, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	August 9, 2018	August 16, 2018
Average Power (kW)	250	286
Cumulative Energy Applied (kWh)	1,383,083	1,448,333
Average Site Subsurface Temperature (°C)	103.0	103.0
Average Condensate Production Rate (gpm)	0.86	0.79
Total Condensate Production (gallons)	125,815	133,742

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Total downtime during the reporting period was 46 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 89 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 103.0 degrees Celsius (°C). This is an average subsurface temperature increase of 89.0°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 0.0°C per day suggesting that temperatures have been maintained throughout the treatment area. The highest individual temperature measurement from within the treatment volume was 128.9°C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 286 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of August 16, 2018, was 1,448,333 kilowatt-hours (kWh). This represents approximately 82 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 275 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 12.2 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

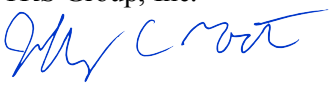
Total condensate production is approximately 133,742 gallons and the production rate averaged 0.79 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of August 20, 2018 to conduct additional monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

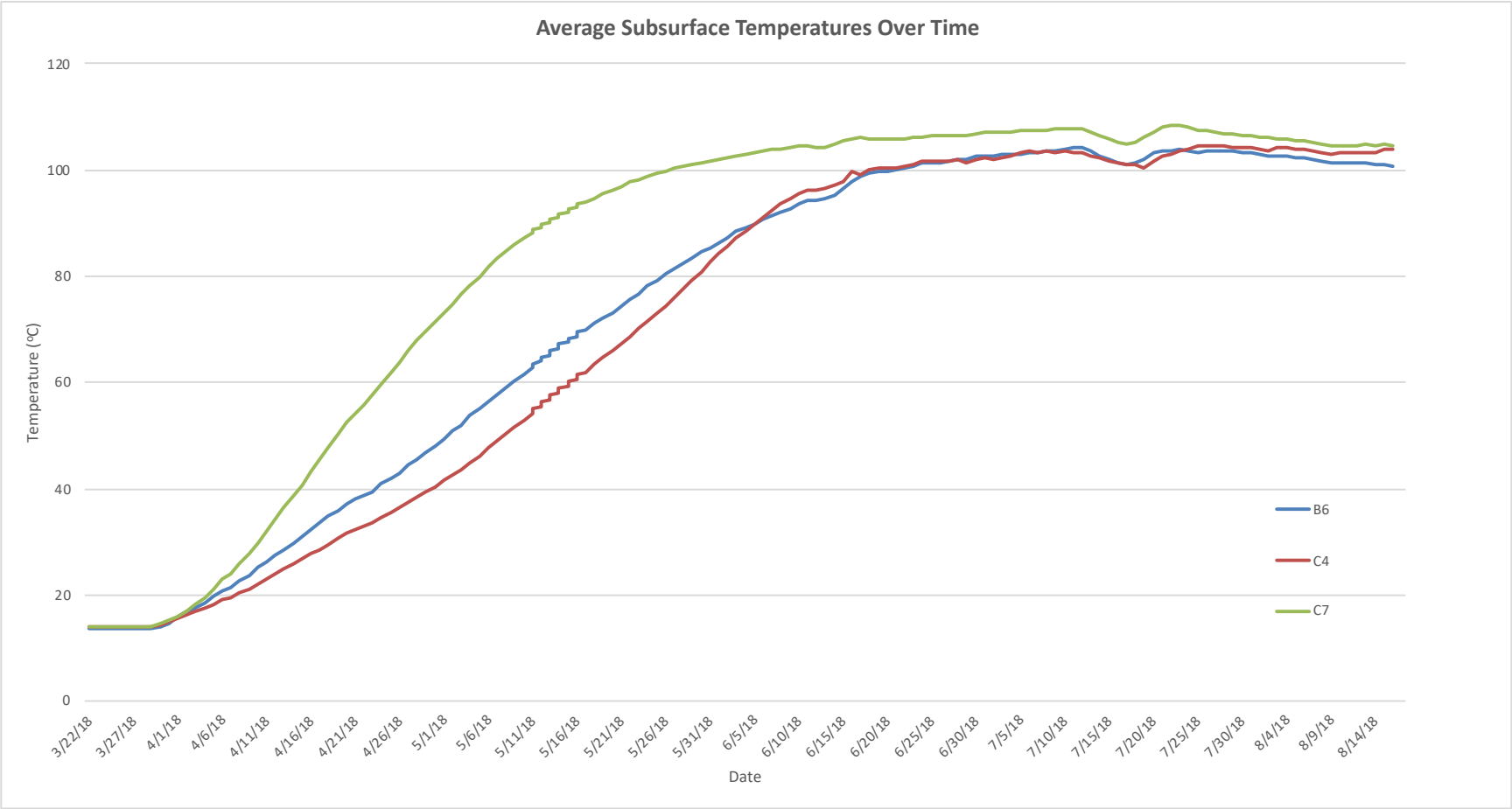


Figure 2. Average Site Subsurface Temperature vs. Time

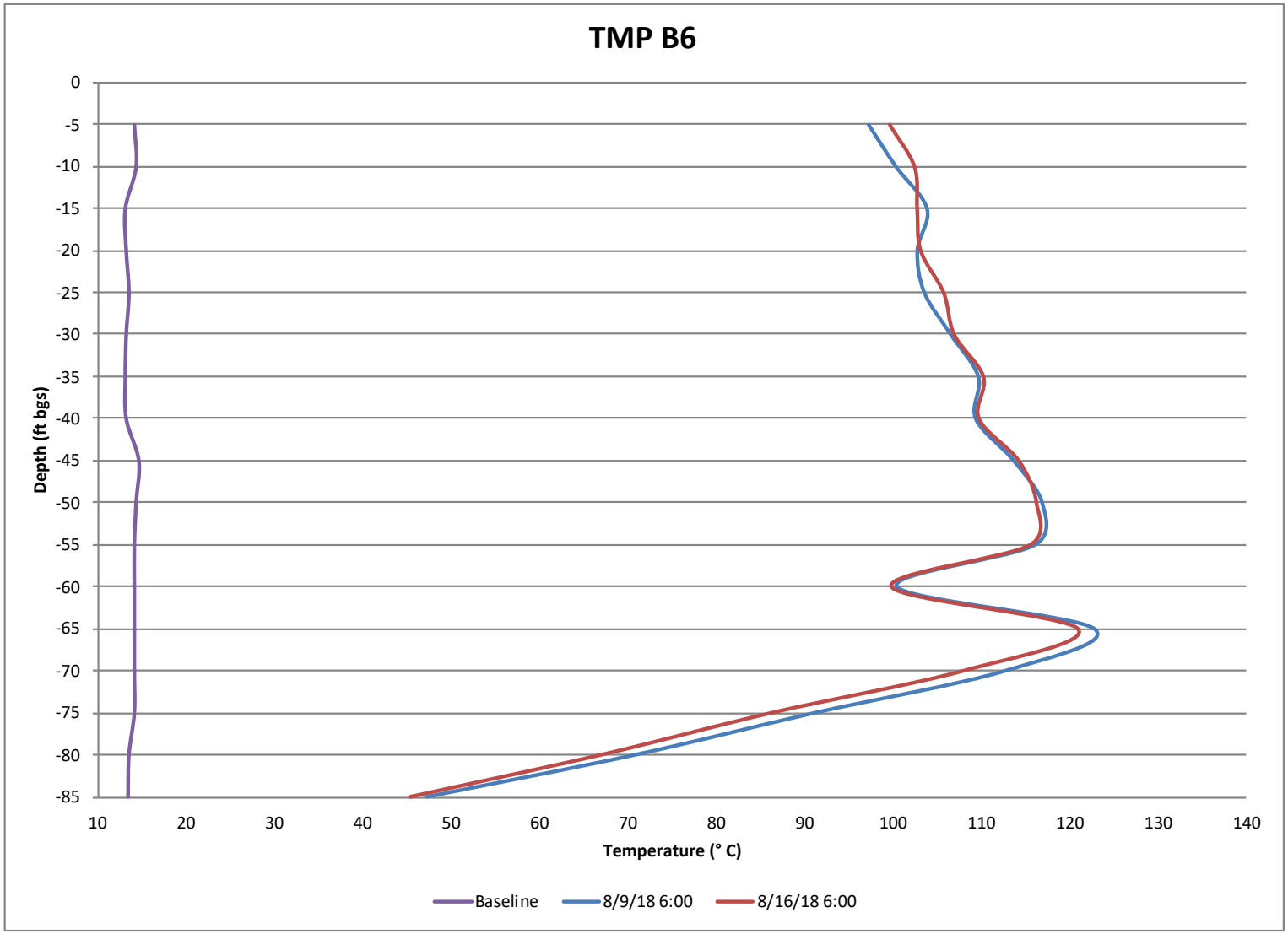


Figure 3a. TMP-B6 Temperature vs. Depth

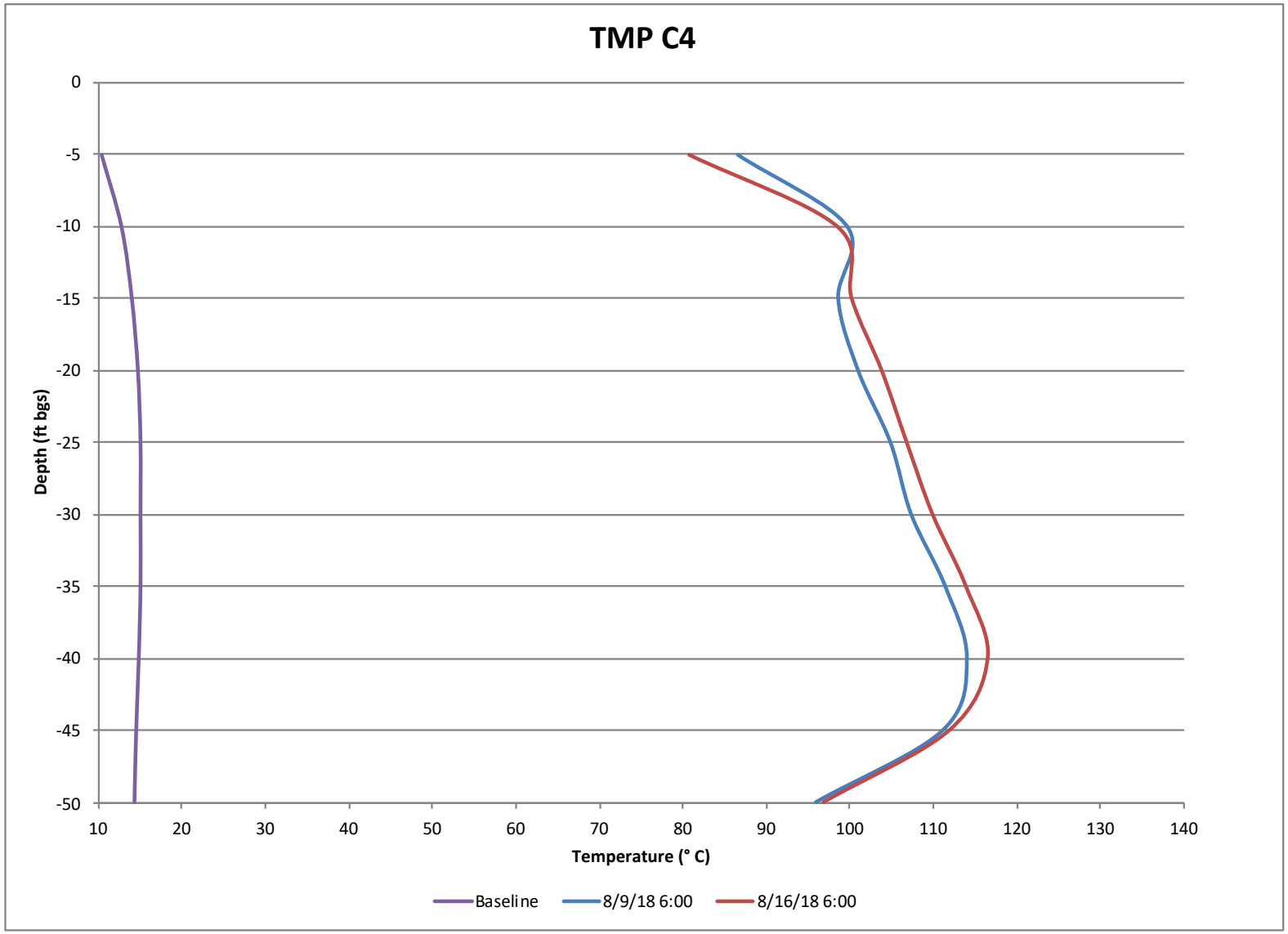


Figure 3b. TMP-C4 Temperature vs. Depth

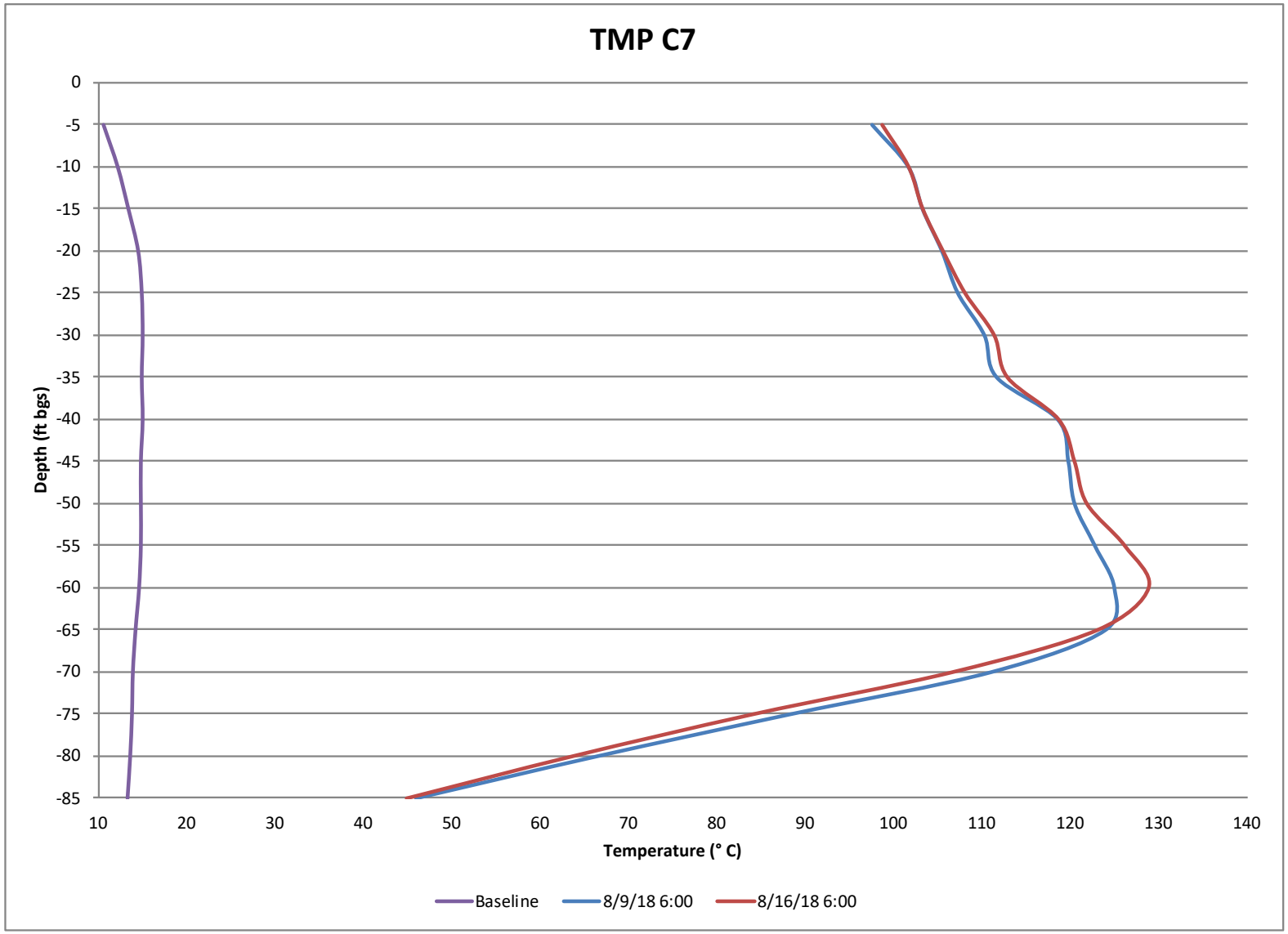


Figure 3b. TMP-C7 Temperature vs. Depth

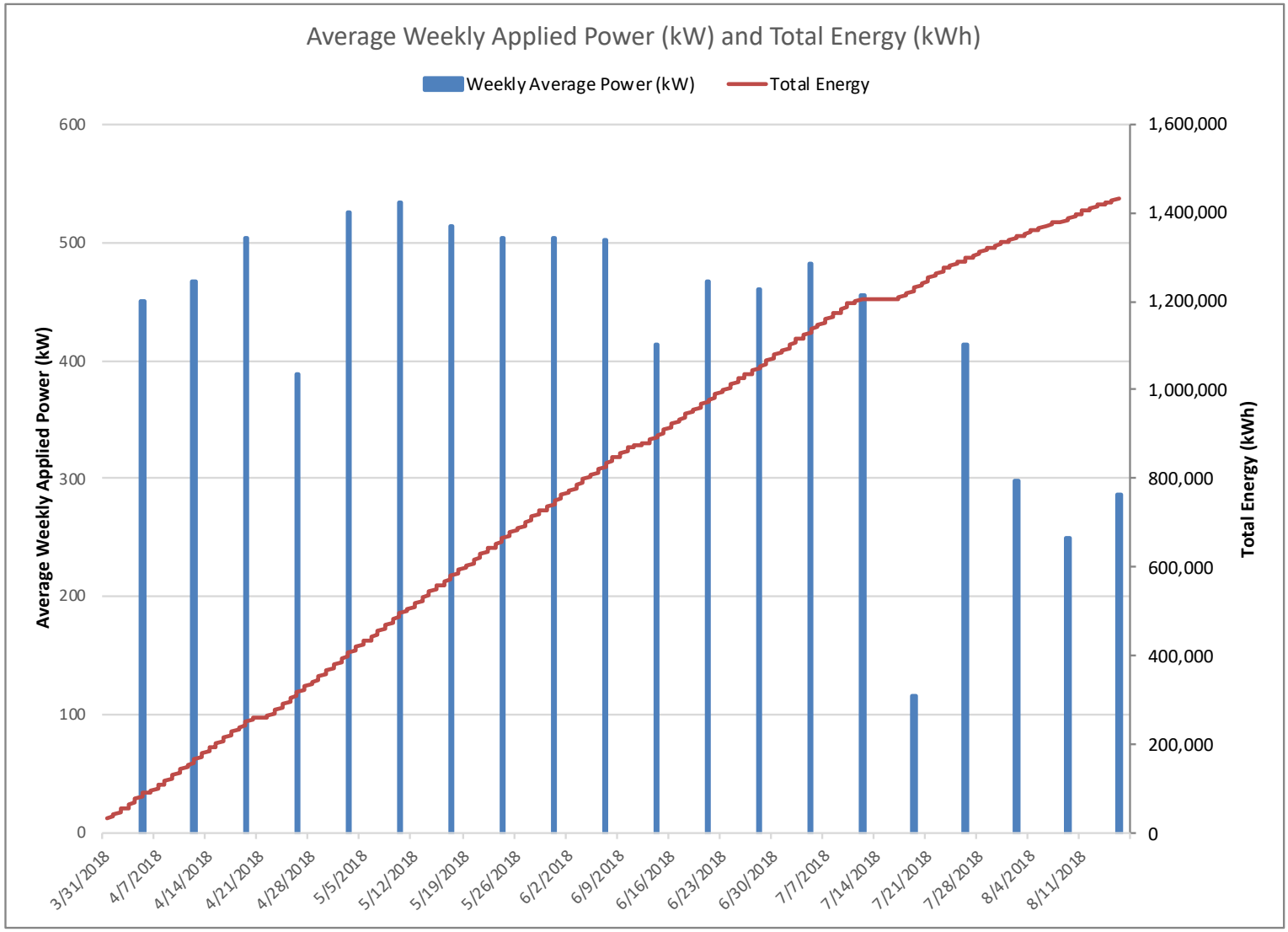


Figure 4. Average Daily Applied Power and Total Energy

August 27, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period August 16 – August 23, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending August 23, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	August 16, 2018	August 23, 2018
Average Power (kW)	286	244
Cumulative Energy Applied (kWh)	1,448,333	1,471,888
Average Site Subsurface Temperature (°C)	103.0	101.9
Average Condensate Production Rate (gpm)	0.79	0.68
Total Condensate Production (gallons)	133,742	140,603

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing and groundwater sampling. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Power application to the subsurface was ceased for iterative groundwater sampling on the morning of August 22, 2018 and total downtime during the reporting period was 9 hours and 49 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 88 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 101.9 degrees Celsius (°C). This is an average subsurface temperature increase of 87.9°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately -0.2°C per day. In general, temperatures are dropping in areas of the site that were shut down on July 23 while temperatures are being maintained in the areas of the treatment area that continue to operate. The highest individual temperature measurement from within the treatment volume was 129.4°C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 244 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of August 23, 2018, was 1,471,888 kilowatt-hours (kWh). This represents approximately 84 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

Based on the interim soil and groundwater sampling results and the cessation of power application in portions of the treatment area on July 23, 2018, it is likely that remediation goals will be achieved prior to the 1,750,000-kWh design energy being reached. The “100 percent” iterative confirmation sampling is scheduled began on August 22, 2018.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 275 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 13.1 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

Total condensate production is approximately 140,603 gallons and the production rate averaged 0.68 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of August 27, 2018 to conduct additional monitoring and optimization. Upon receipt of soil and groundwater sampling results site operations will be reevaluated.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

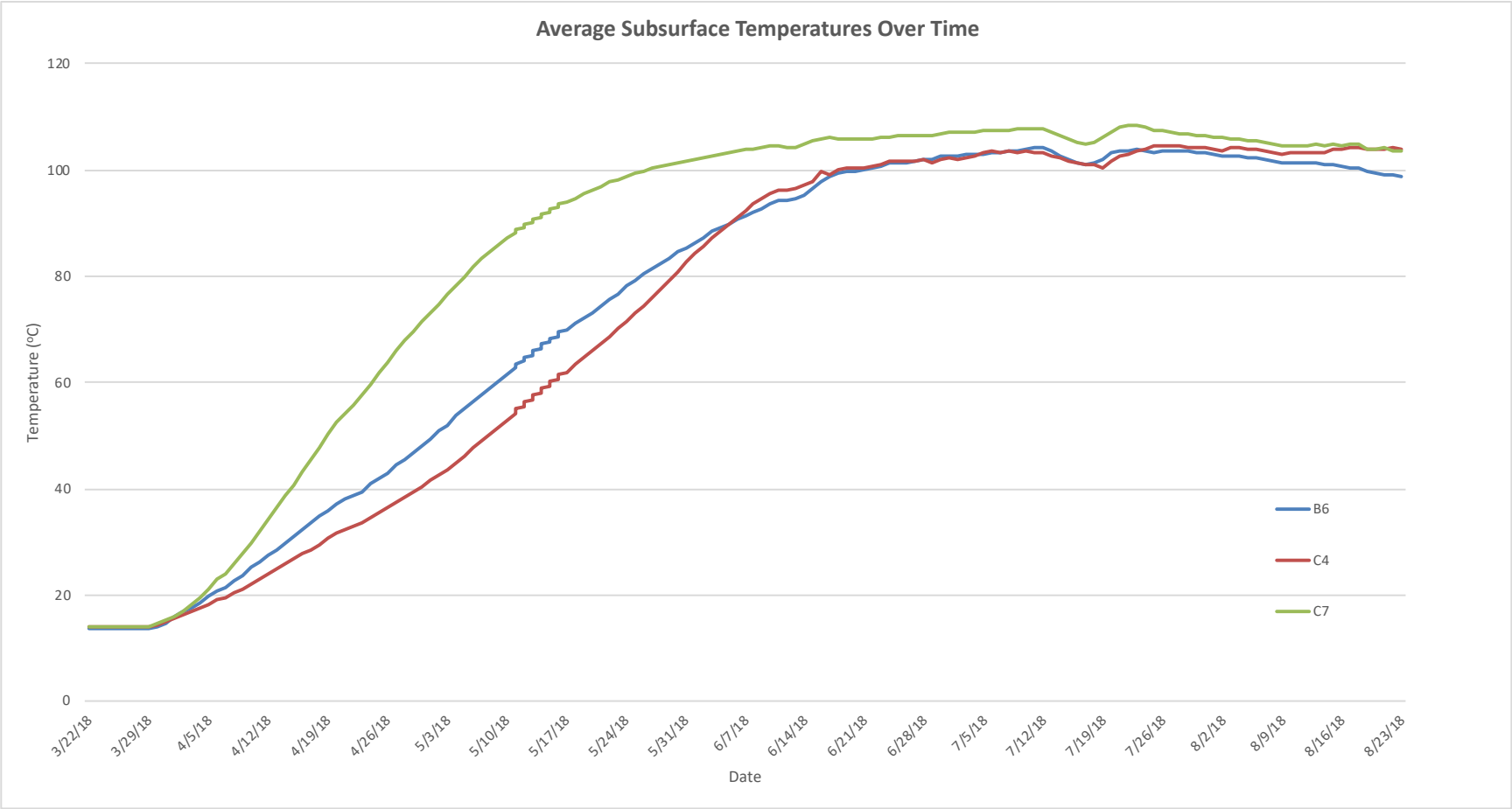


Figure 2. Average Site Subsurface Temperature vs. Time

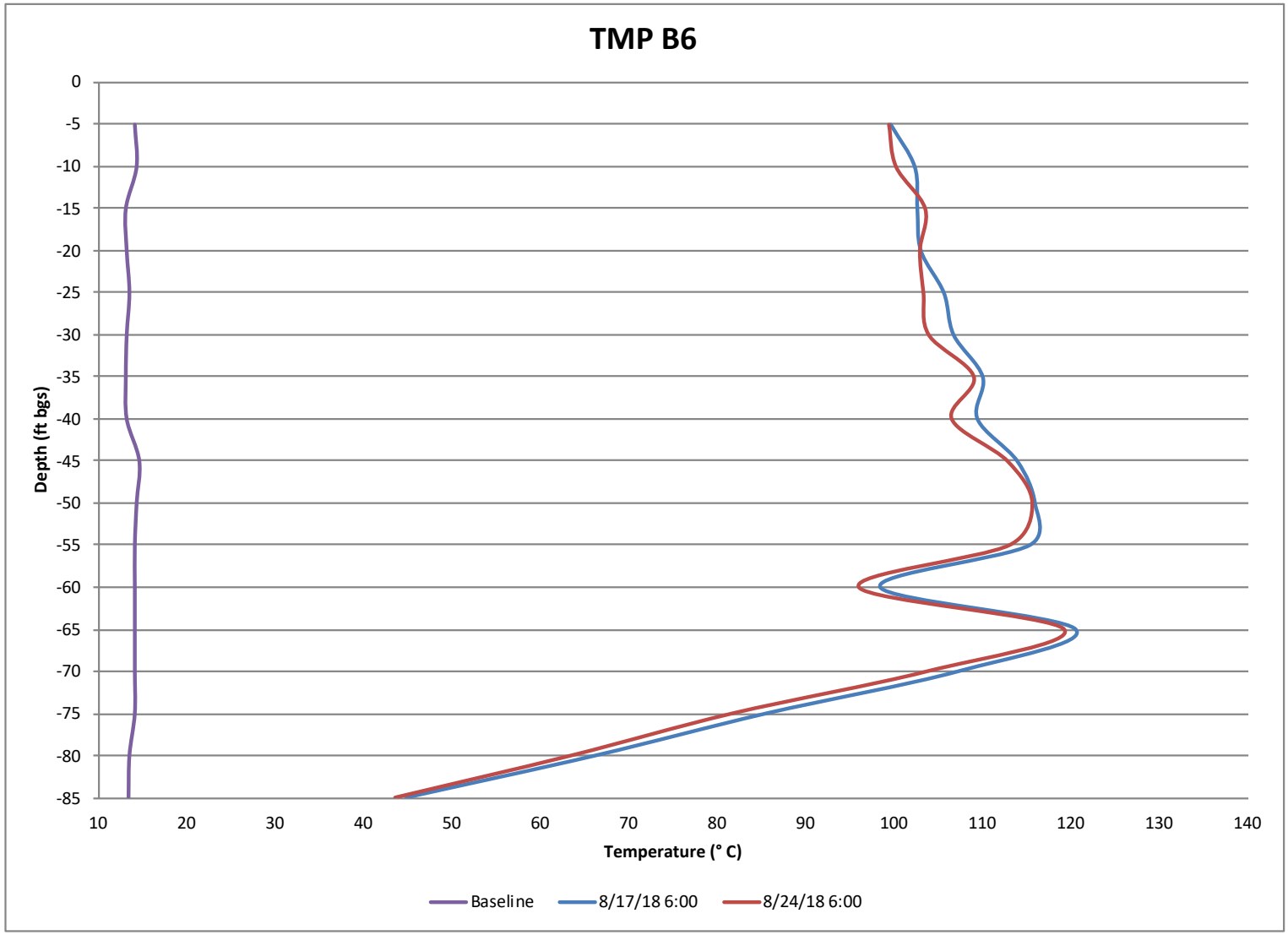


Figure 3a. TMP-B6 Temperature vs. Depth

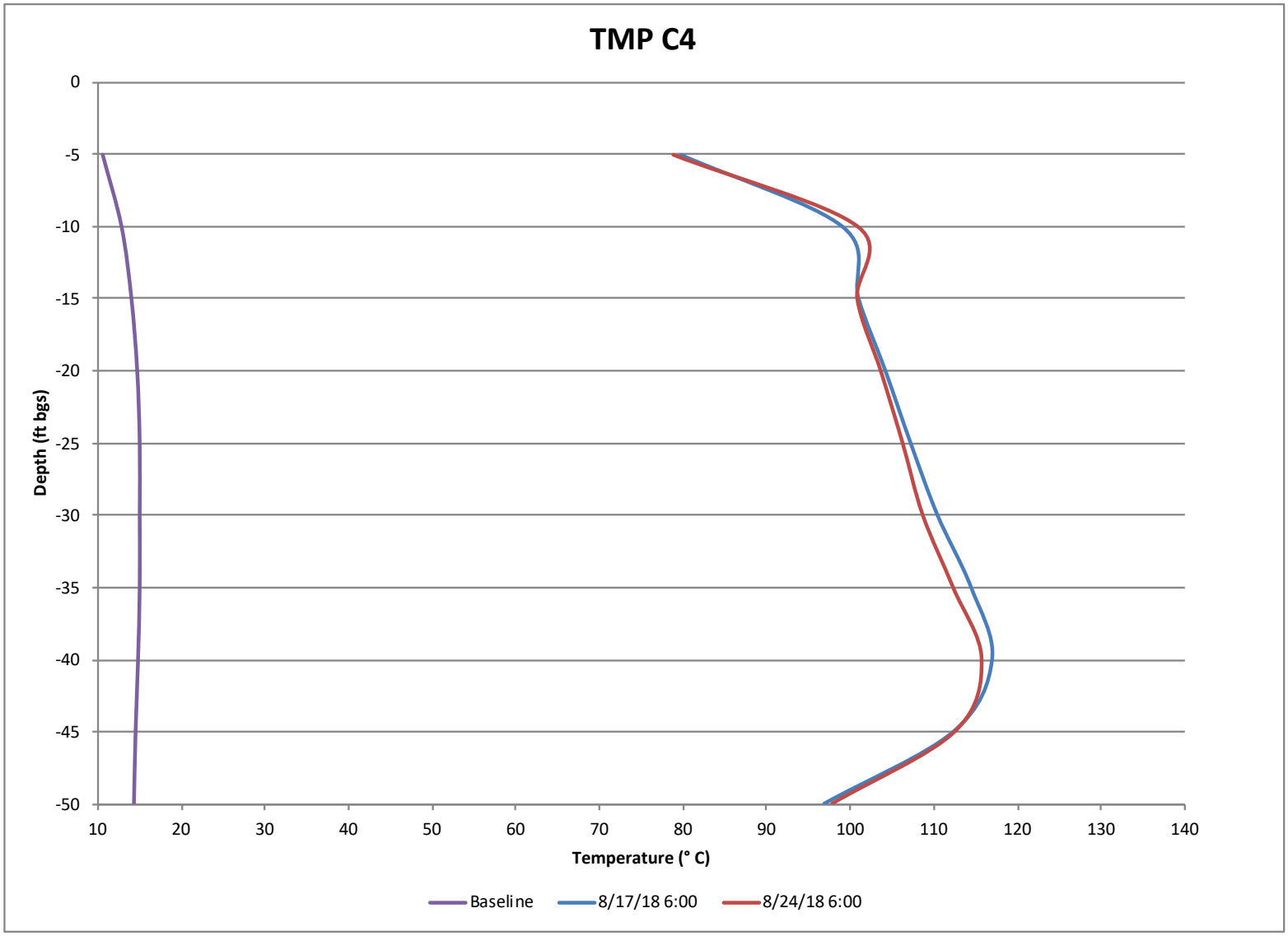


Figure 3b. TMP-C4 Temperature vs. Depth

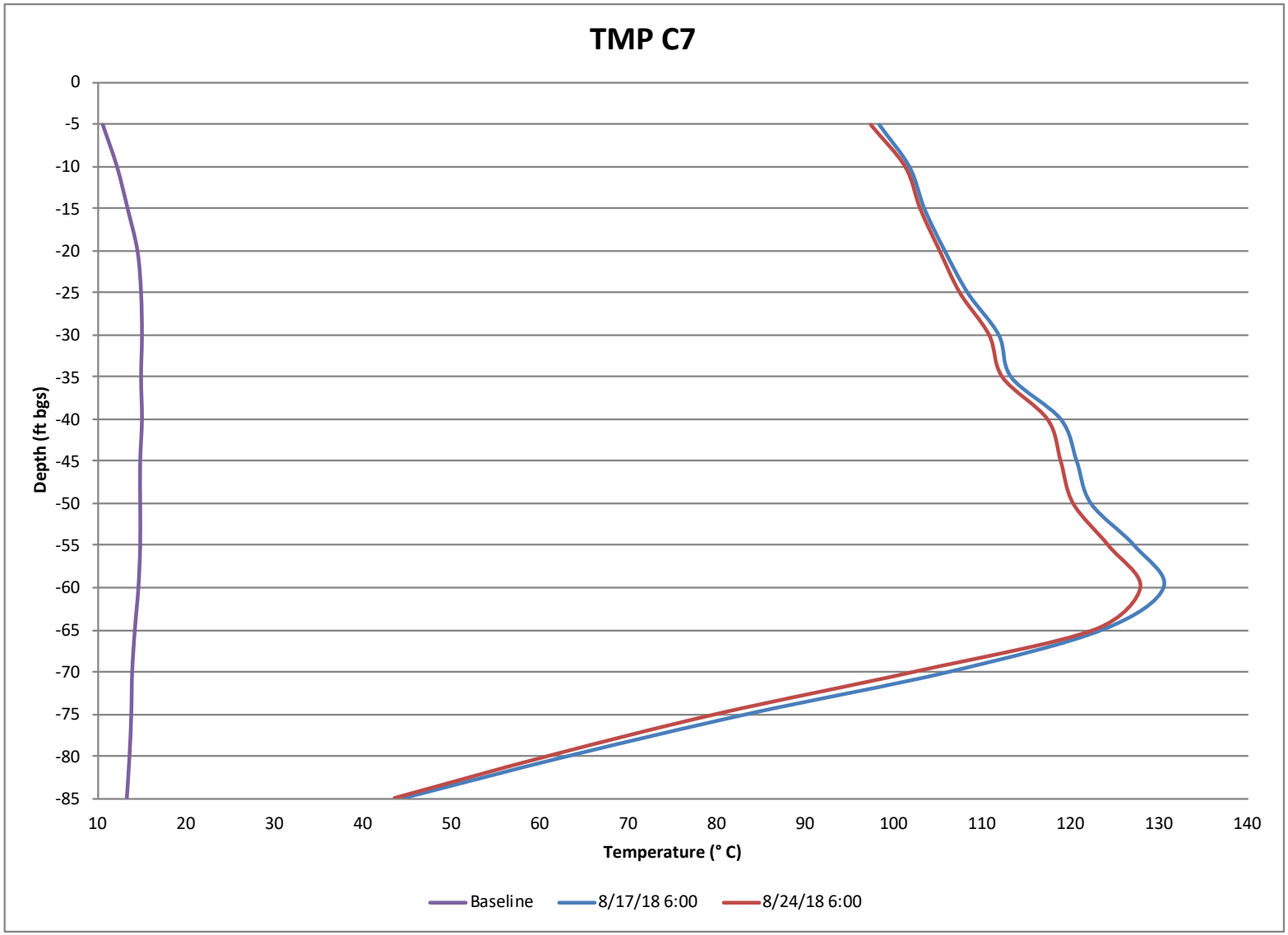


Figure 3b. TMP-C7 Temperature vs. Depth

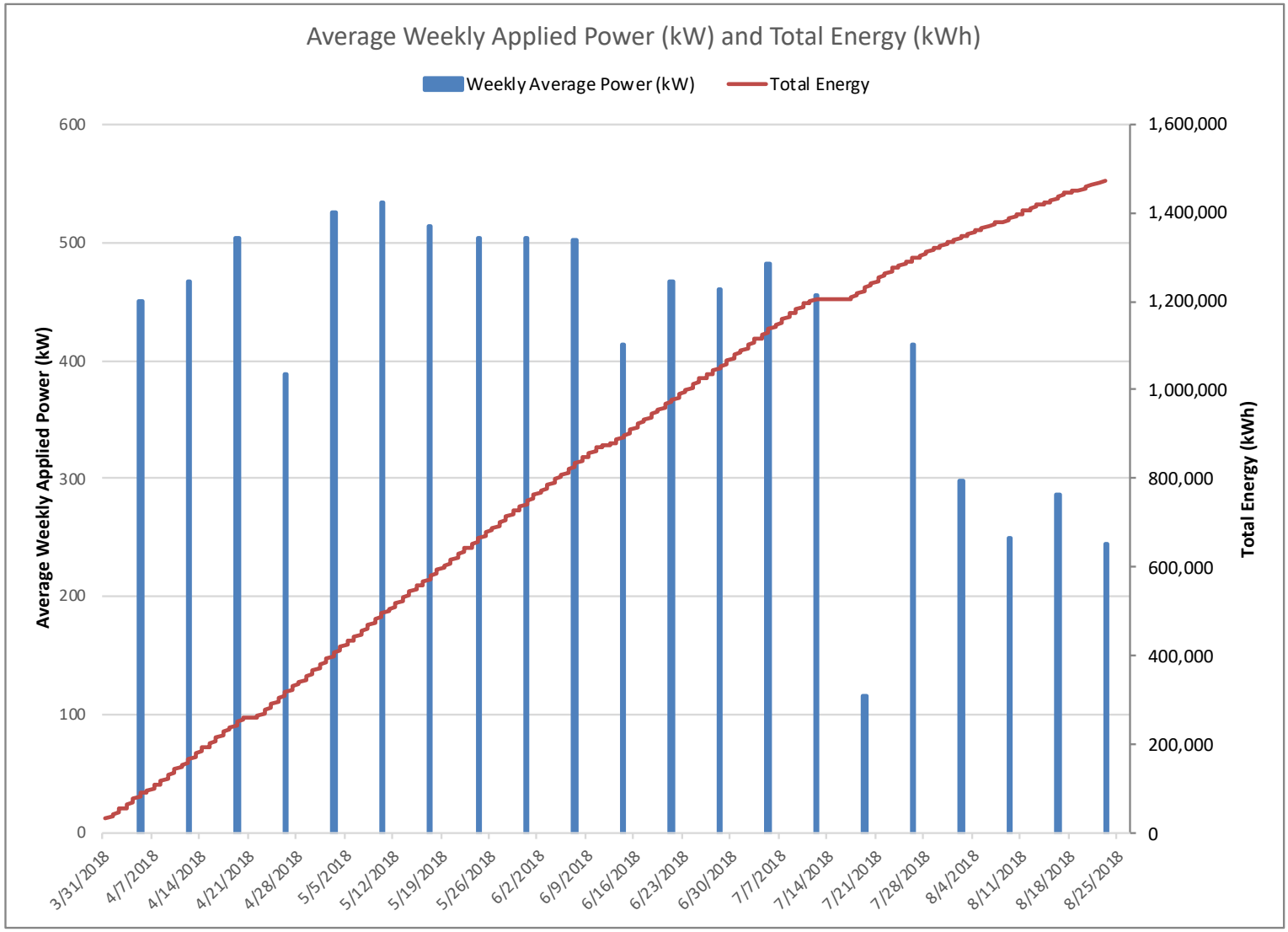


Figure 4. Average Daily Applied Power and Total Energy

September 5, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period August 23 – August 30, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending August 30, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	August 23, 2018	August 30, 2018
Average Power (kW)	244	203
Cumulative Energy Applied (kWh)	1,471,888	1,505,493
Average Site Subsurface Temperature (°C)	101.9	100.4
Average Condensate Production Rate (gpm)	0.68	0.62
Total Condensate Production (gallons)	140,603	146,843

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and voltage testing and groundwater sampling. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was one unplanned shutdown longer than one hour in duration. The site was also down for iterative soil and groundwater sampling on August 23 and August 25, 2018, resulting in a total downtime during the reporting period of 48 hours and 40 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 87 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 100.4 degrees Celsius (°C). This is an average subsurface temperature increase of 86.4°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately -0.2°C per day. In general, temperatures are dropping in areas of the site that were shut down on July 23 while temperatures are being maintained in the areas of the treatment area that continue to operate. The highest individual temperature measurement from within the treatment volume was 124.1°C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 203 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of August 30, 2018, was 1,505,493 kilowatt-hours (kWh). This represents approximately 86 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 275 standard cubic feet per minute (scfm) and experienced 100 percent uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 13.7 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

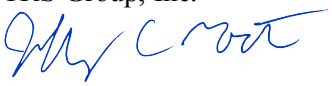
Total condensate production is approximately 146,843 gallons and the production rate averaged 0.62 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of September 3, 2018 to conduct additional monitoring and optimization. Soil and groundwater sampling results have been received from Pacific Crest. While chlorinated volatile organic compound (CVOC) concentrations have continued to fall they have not yet achieved cleanup levels. One soil sample inside the ERH treatment area (CSB-8, 45.75-46.5 feet depth) at 0.055 milligrams per kilogram (mg/kg) tetrachloroethene (PCE) remains slightly above the 0.050 cleanup level for PCE. Groundwater results have likewise fallen to below the 50 microgram per liter (ug/L) PCE cleanup level at several locations but remain slightly elevated at MW-33S, MW-34S, and SCC-3. TRS recommends continued operations in the focused treatment area with a final confirmation sampling event to begin on September 25, 2018.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

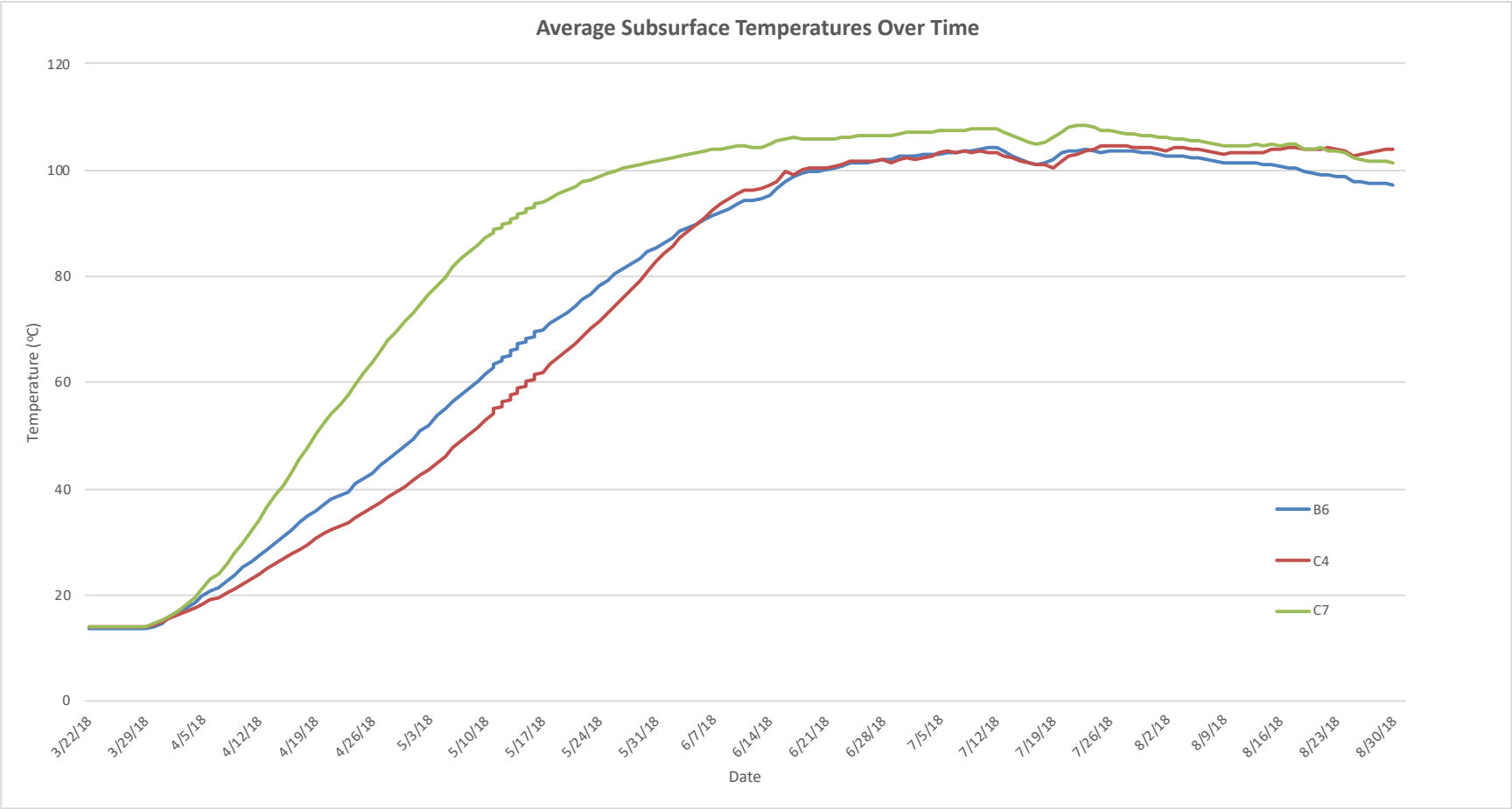


Figure 2. Average Site Subsurface Temperature vs. Time

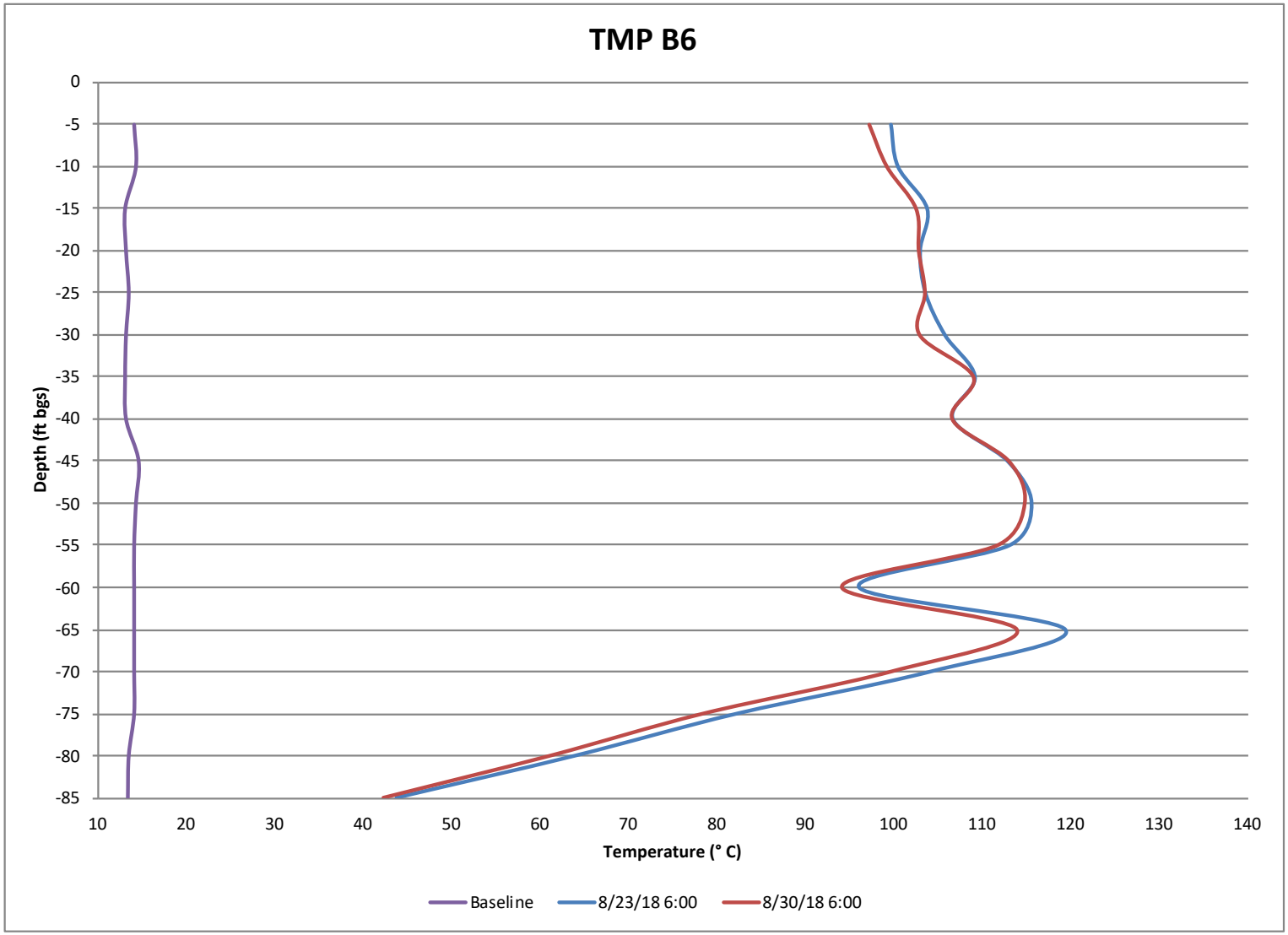


Figure 3a. TMP-B6 Temperature vs. Depth

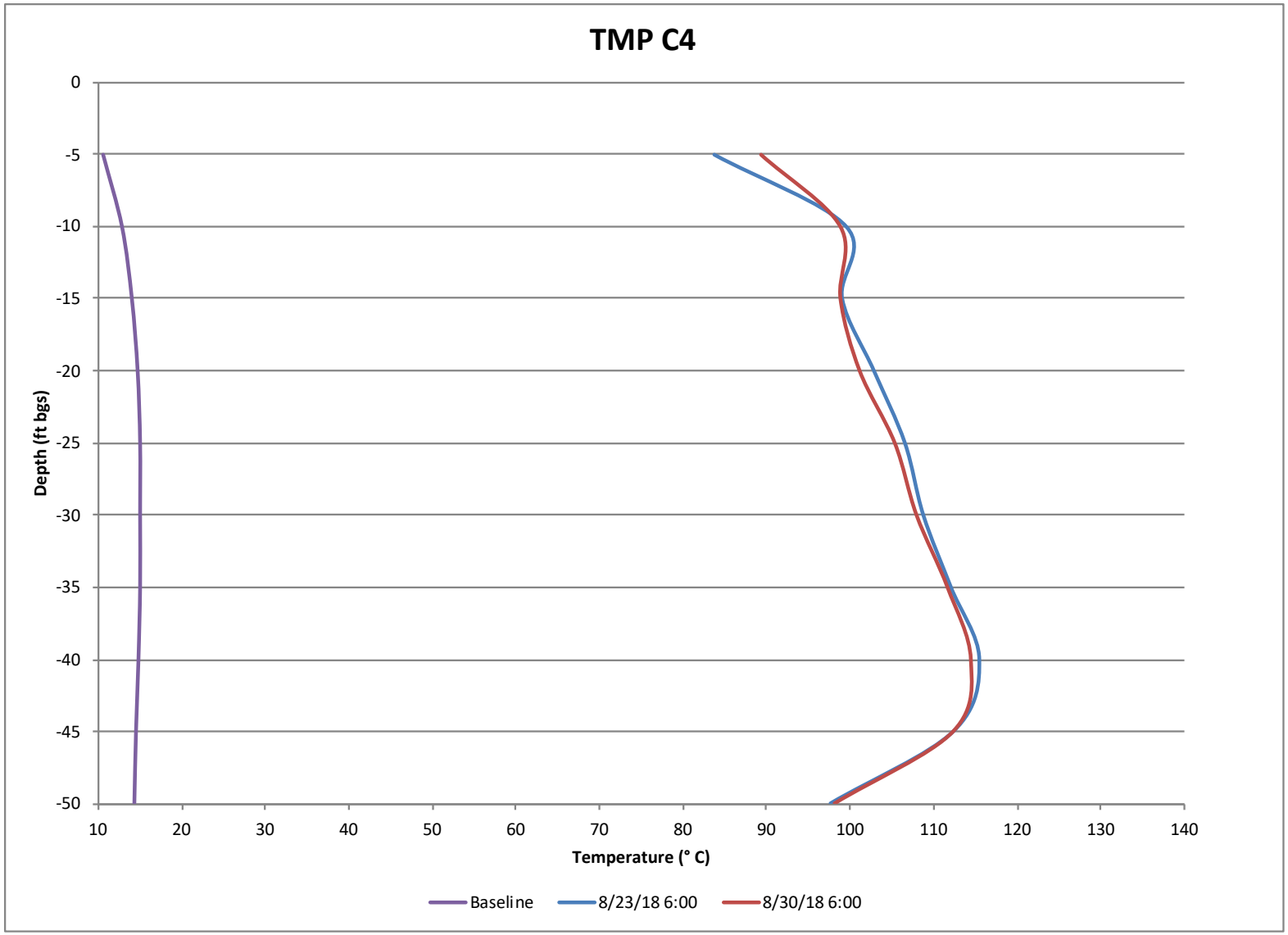


Figure 3b. TMP-C4 Temperature vs. Depth

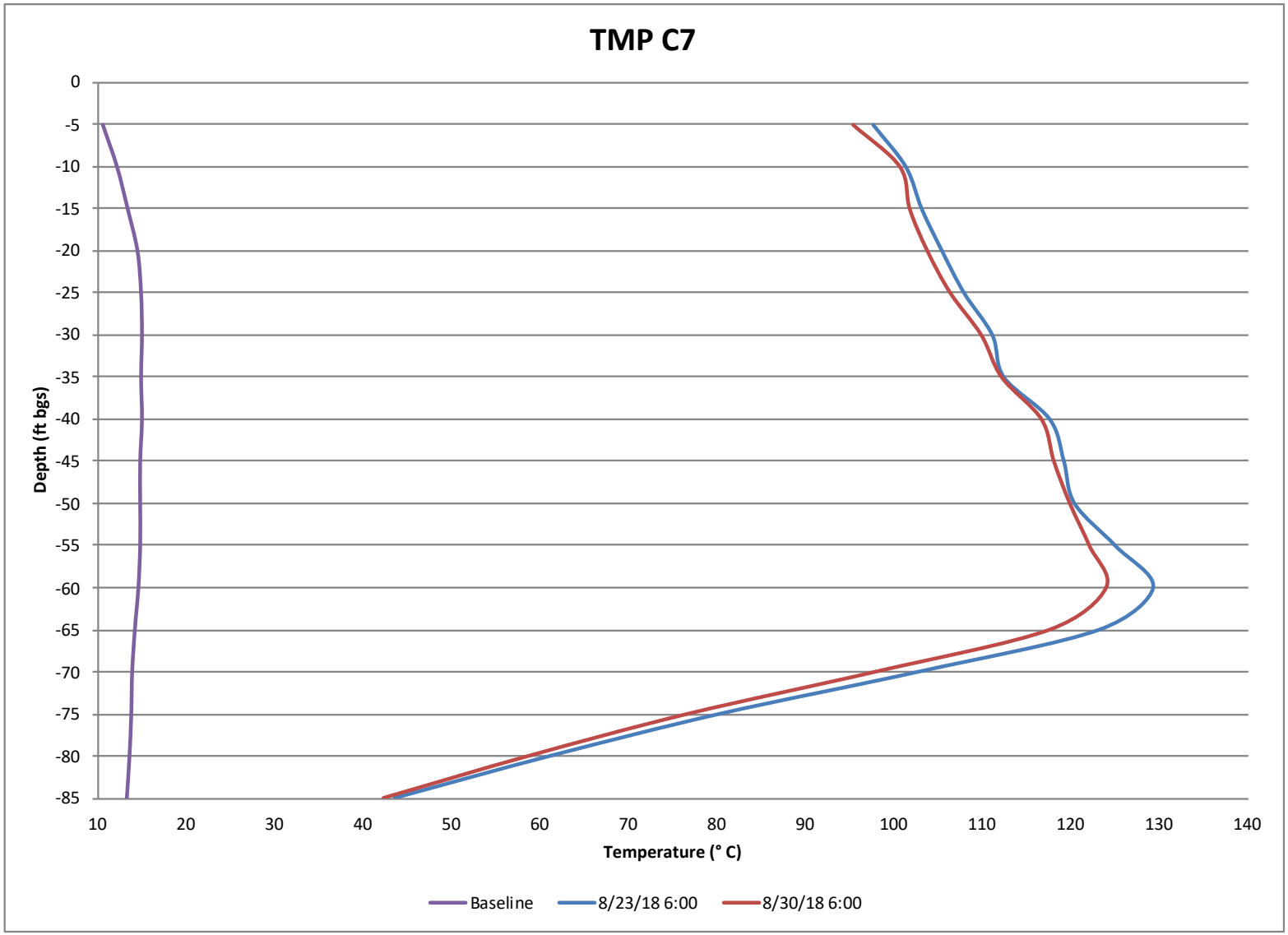


Figure 3b. TMP-C7 Temperature vs. Depth

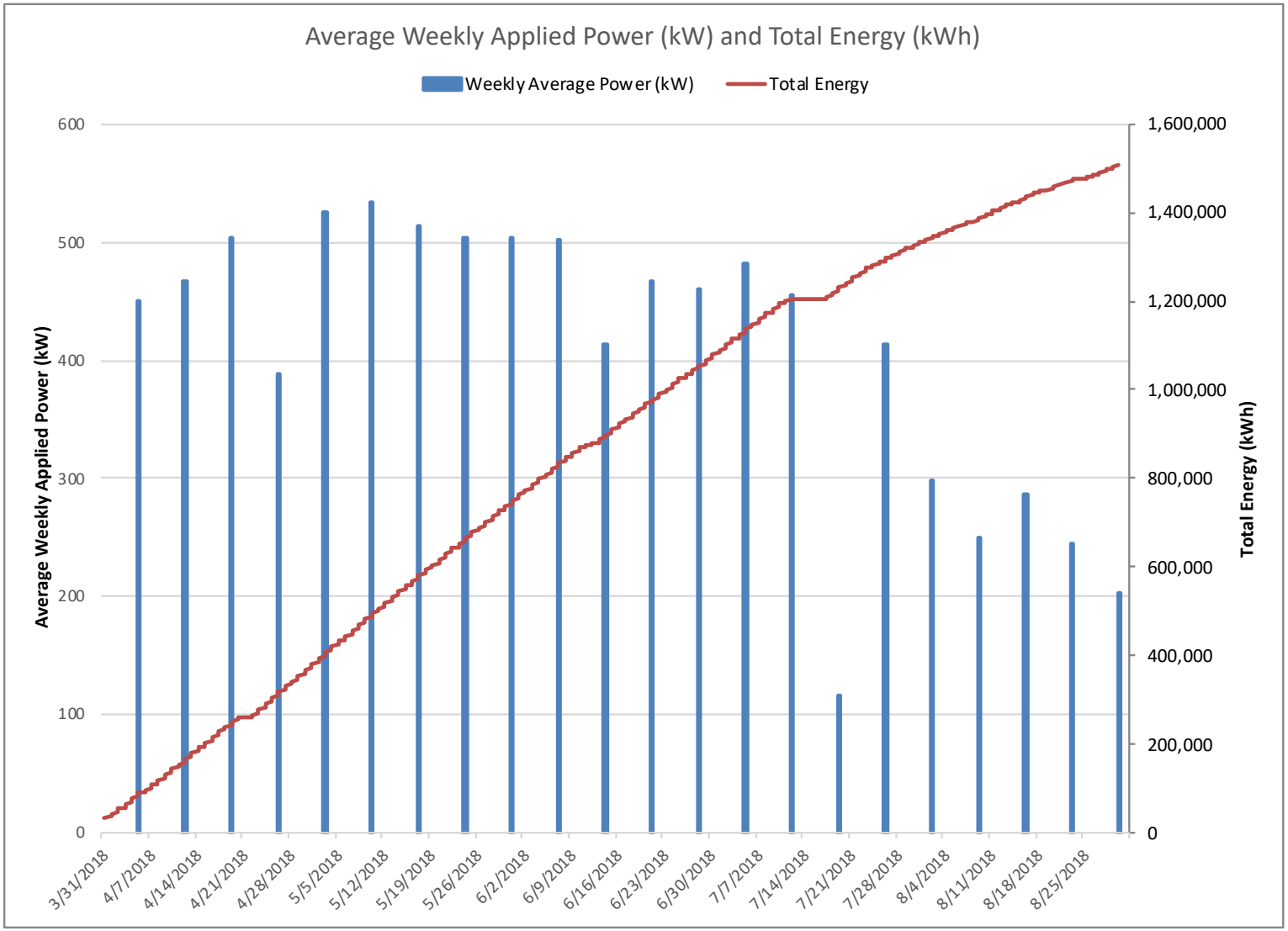


Figure 4. Average Daily Applied Power and Total Energy

September 12, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period August 30 – September 6, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending September 13, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	September 6, 2018	September 6, 2018
Average Power (kW)	203	232
Cumulative Energy Applied (kWh)	1,505,493	1,545,298
Average Site Subsurface Temperature (°C)	100.4	100.1
Average Condensate Production Rate (gpm)	0.62	0.65
Total Condensate Production (gallons)	146,843	153,382

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and safety voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Total downtime during the reporting period was 4 hours and 12 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 88 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 100.1 degrees Celsius (°C). This is an average subsurface temperature increase of 86.1°C from the baseline subsurface temperature data collected prior to ERH start-up. The average heat-up rate during the reporting period was approximately 0.0°C per day. In general, temperatures are dropping in areas of the treatment volume that were taken off-line on July 23, while temperatures were maintained or increasing in the portions of the treatment volume where ERH continues to be applied. The highest individual temperature measurement from within the treatment volume was 122.8°C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 232 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of September 6, 2018, was 1,545,298 kilowatt-hours (kWh). This represents approximately 88 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also includes process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 260 standard cubic feet per minute (scfm).

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 14.1 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

Total condensate production is approximately 153,382 gallons and the production rate averaged 0.65 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of September 10, 2018, for continued system monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

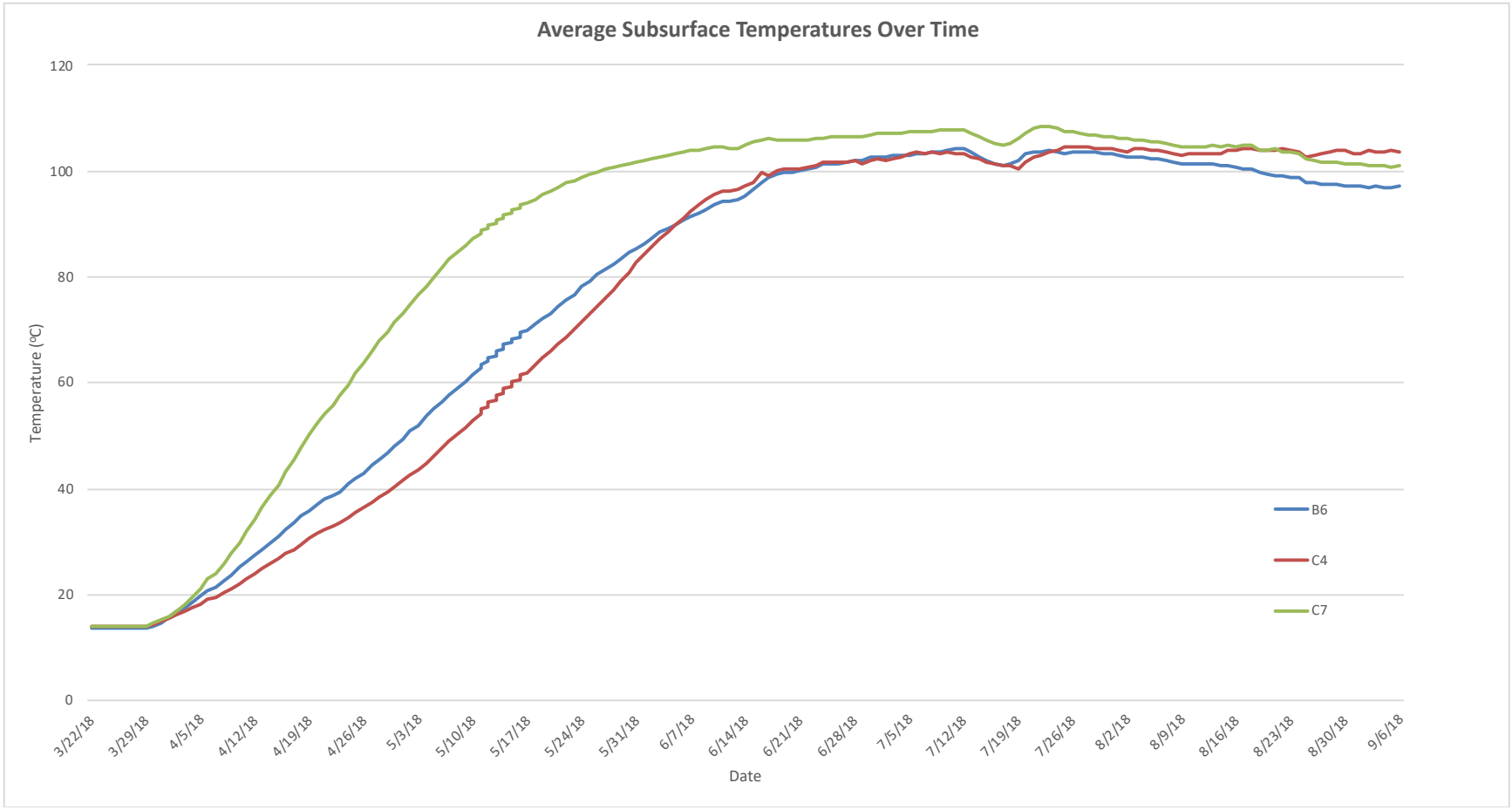


Figure 2. Average Site Subsurface Temperature vs. Time

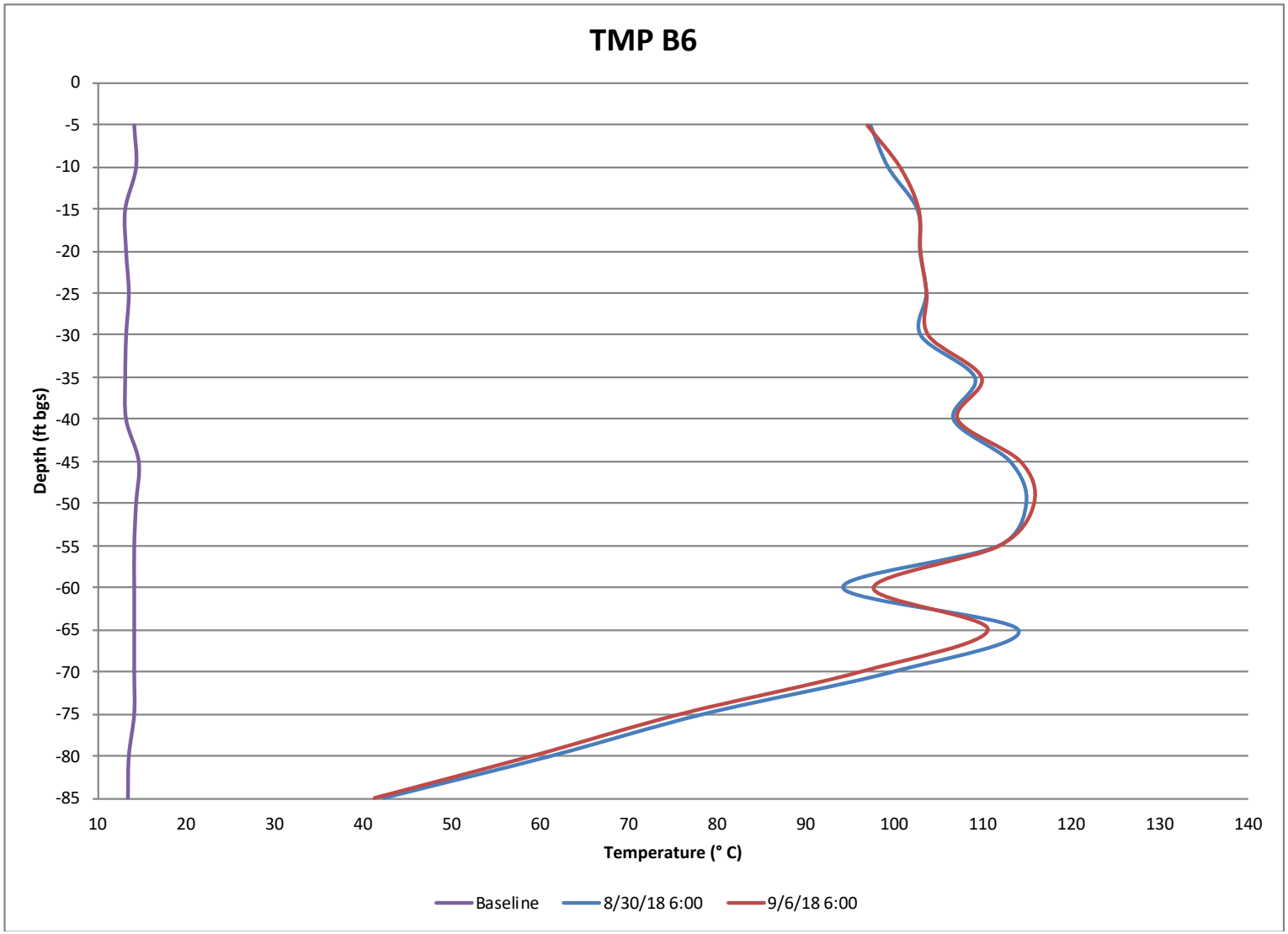


Figure 3a. TMP-B6 Temperature vs. Depth

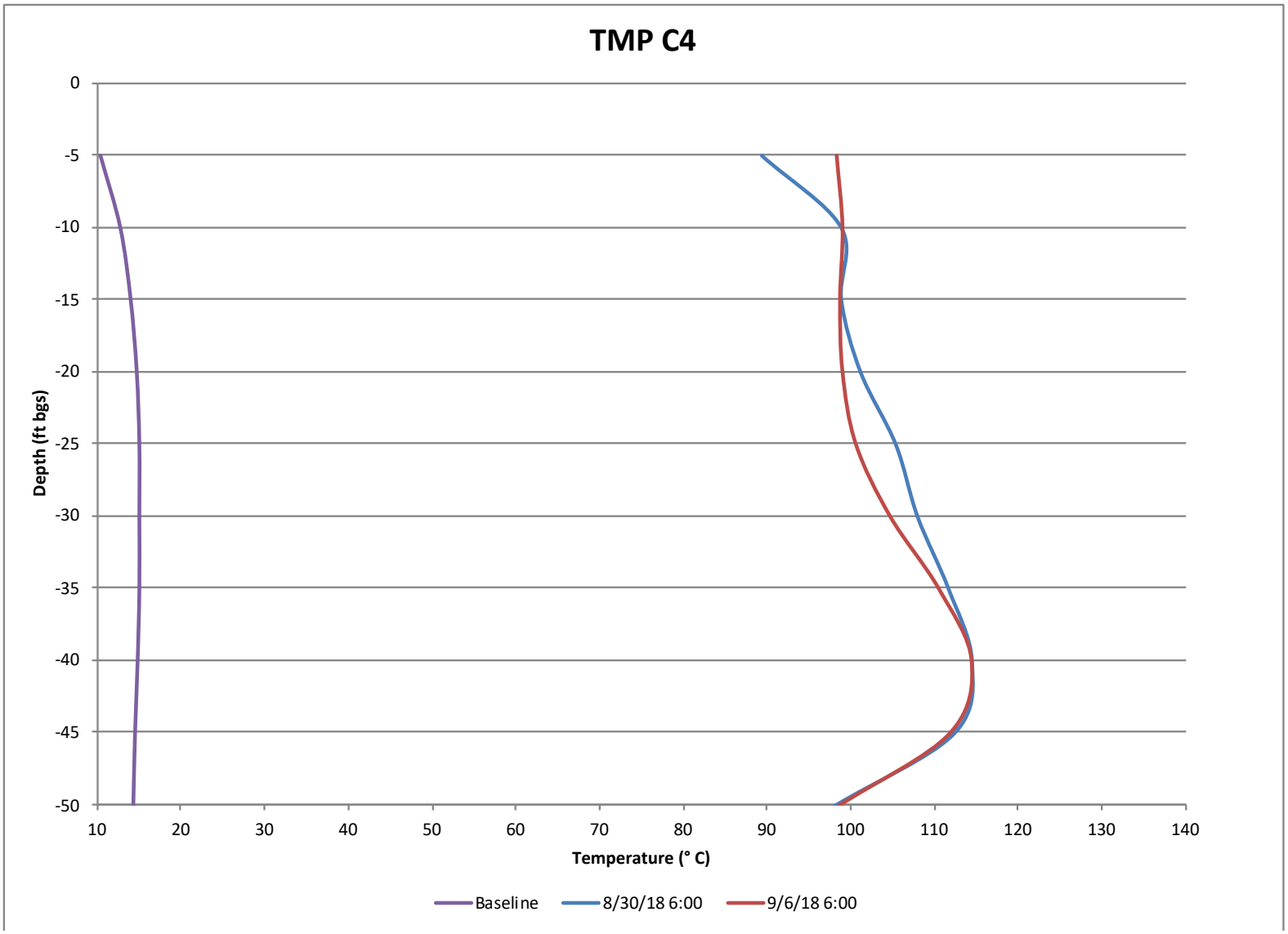


Figure 3b. TMP-C4 Temperature vs. Depth

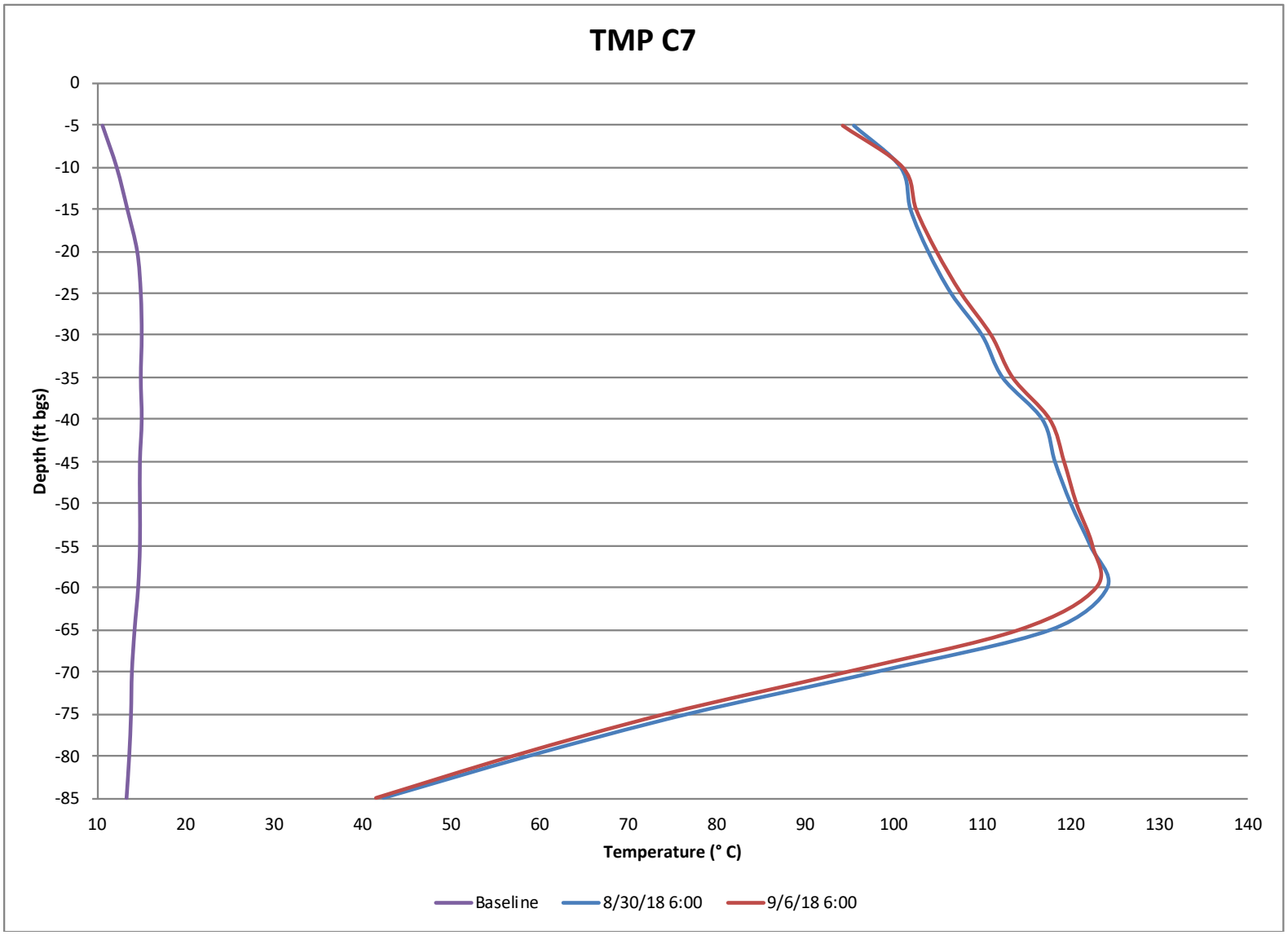


Figure 3b. TMP-C7 Temperature vs. Depth

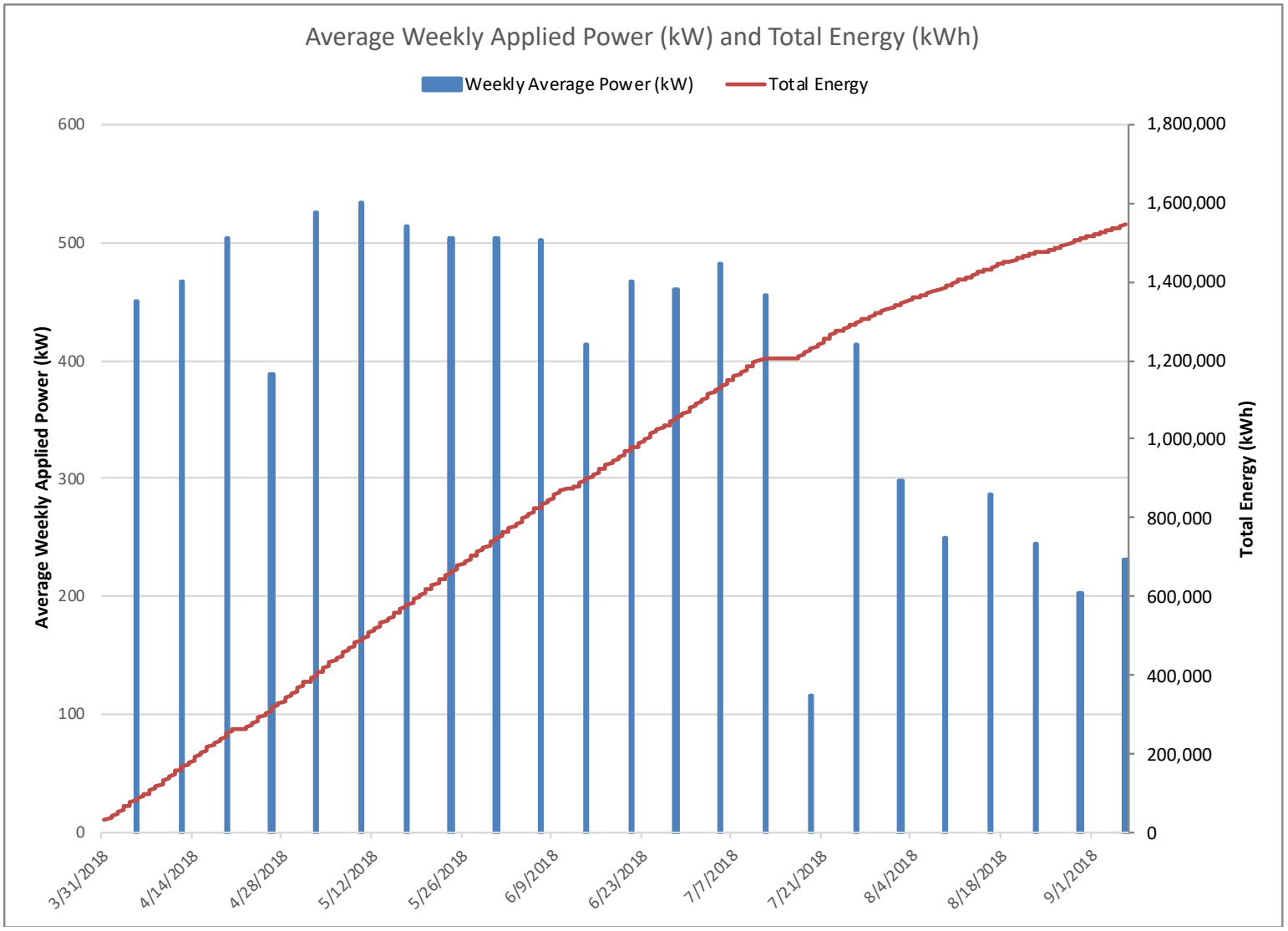


Figure 4. Average Daily Applied Power and Total Energy

September 20, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period September 6 – September 13, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending September 13, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	September 6, 2018	September 13, 2018
Average Power (kW)	232	313
Cumulative Energy Applied (kWh)	1,545,298	1,597,648
Average Site Subsurface Temperature (°C)	100.1	100.2
Average Condensate Production Rate (gpm)	0.65	0.91
Total Condensate Production (gallons)	153,382	162,537

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and safety voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Total downtime during the reporting period was 56 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 88 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 100.2 degrees Celsius (°C). This is an average subsurface temperature increase of 86.2°C from the baseline subsurface temperature data collected prior to ERH start-up. The average heat-up rate during the reporting period was approximately 0.0°C per day. In general, temperatures are dropping in areas of the treatment volume that were taken off-line on July 23, while temperatures were maintained or increasing in the portions of the treatment volume where ERH continues to be applied. The highest individual temperature measurement from within the treatment volume was 123.3°C, recorded at temperature monitoring point (TMP) C7, at a depth of 60 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 313 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of September 13, 2018, was 1,597,648 kilowatt-hours (kWh). This represents approximately 91 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also includes process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 275 standard cubic feet per minute (scfm).

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 14.5 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

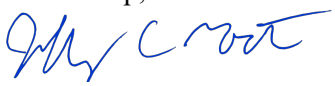
Total condensate production is approximately 162,537 gallons and the production rate averaged 0.91 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of September 17, 2018, for continued system monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

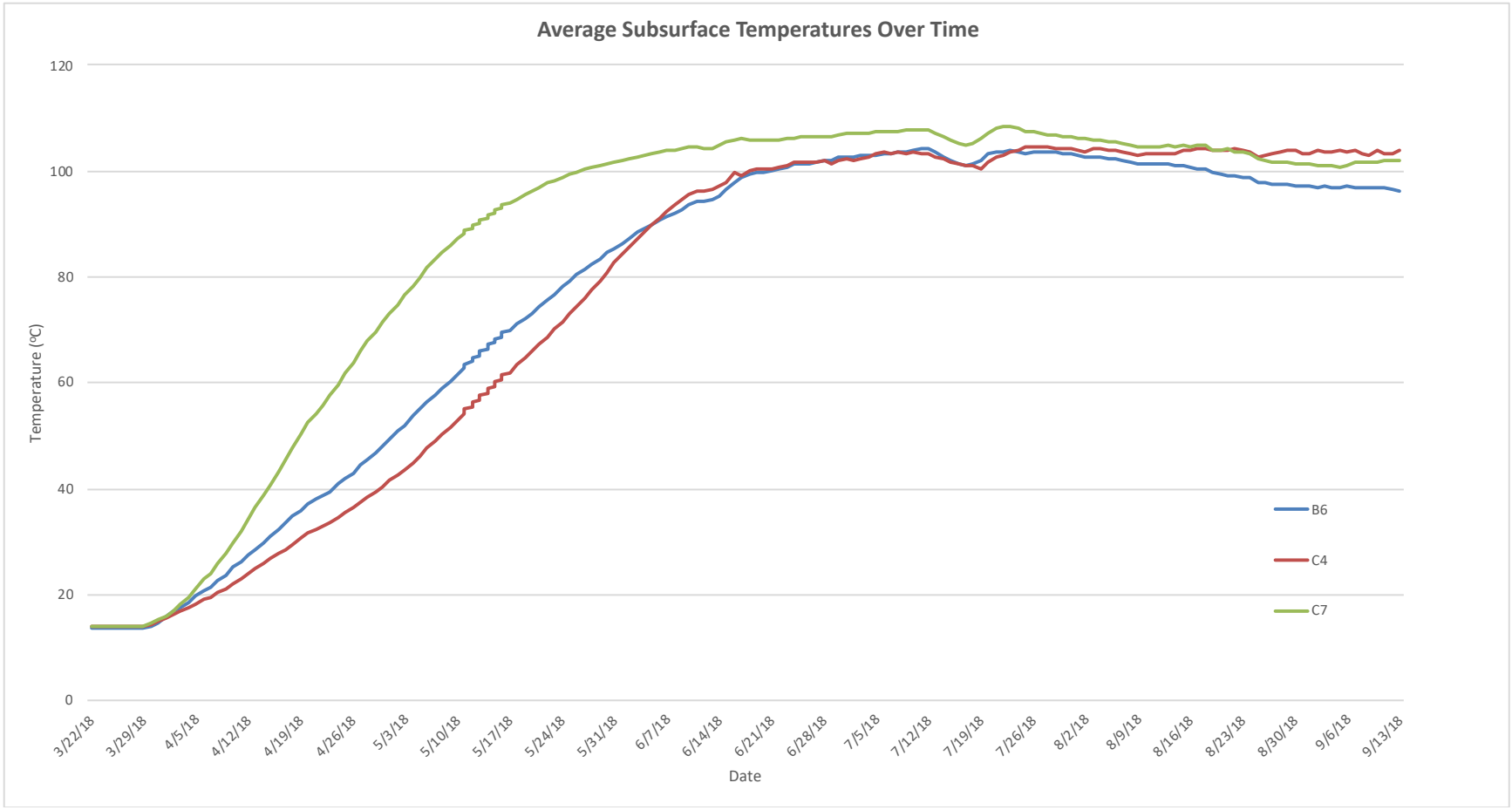


Figure 2. Average Site Subsurface Temperature vs. Time

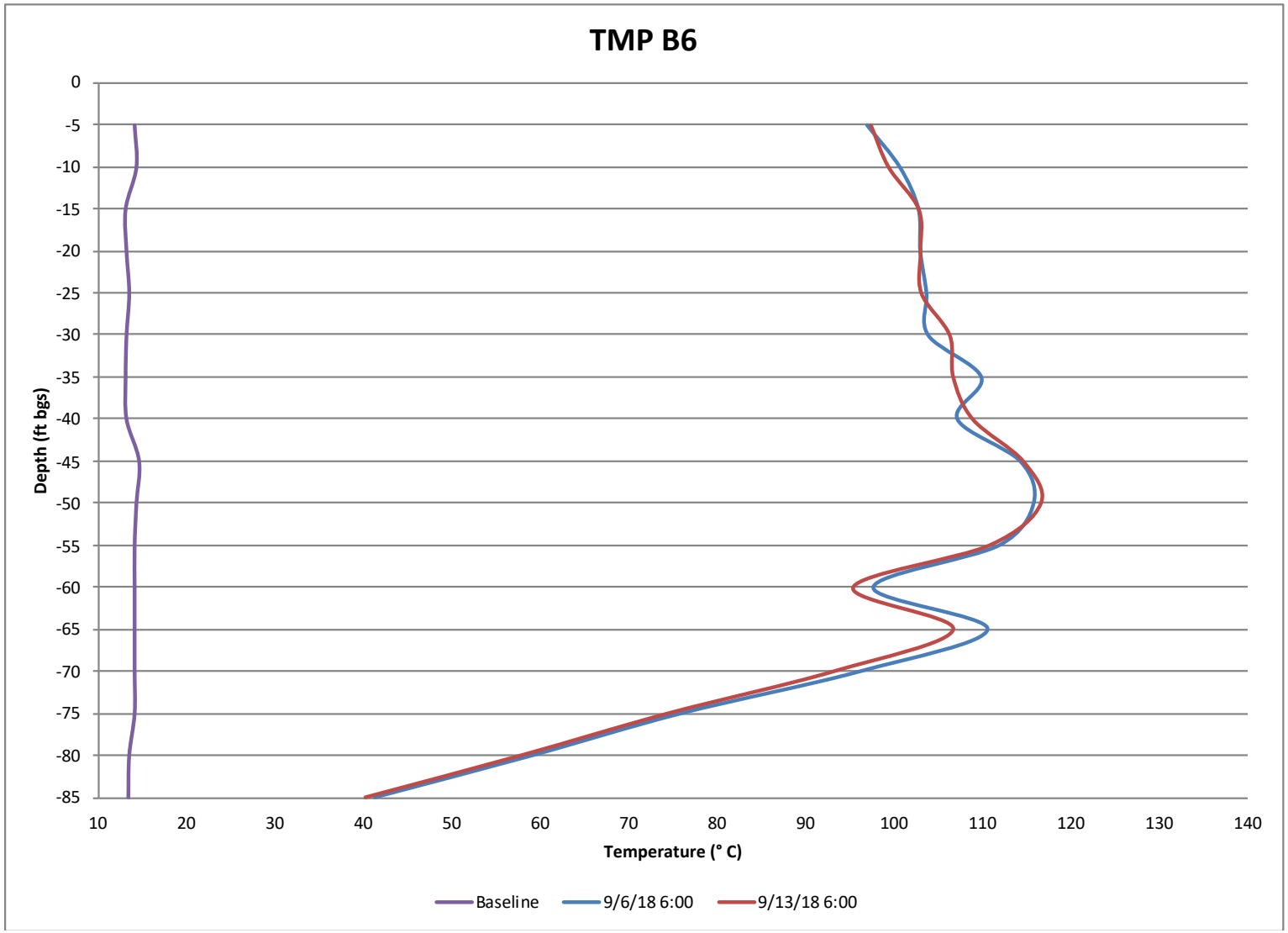


Figure 3a. TMP-B6 Temperature vs. Depth

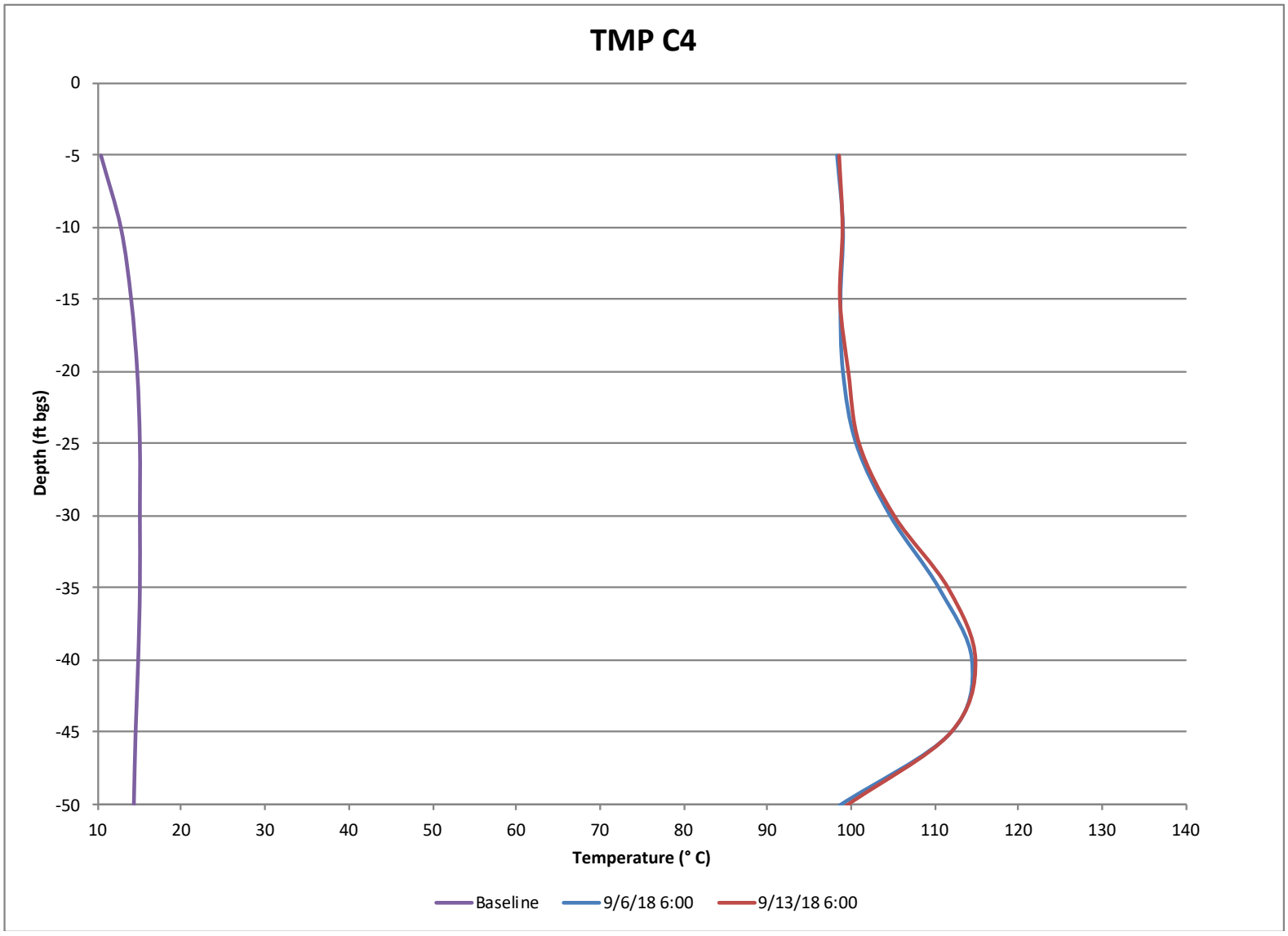


Figure 3b. TMP-C4 Temperature vs. Depth

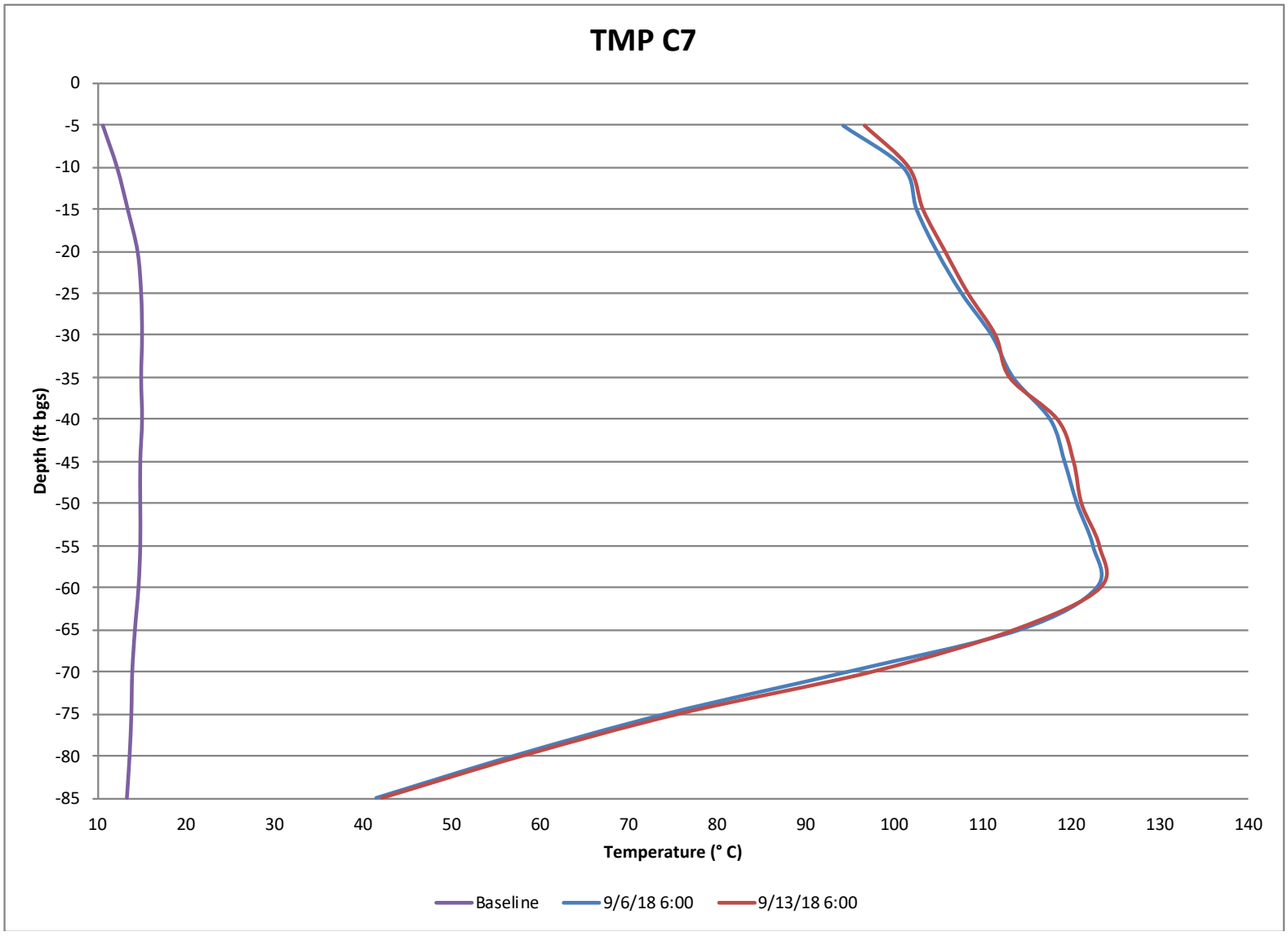


Figure 3b. TMP-C7 Temperature vs. Depth

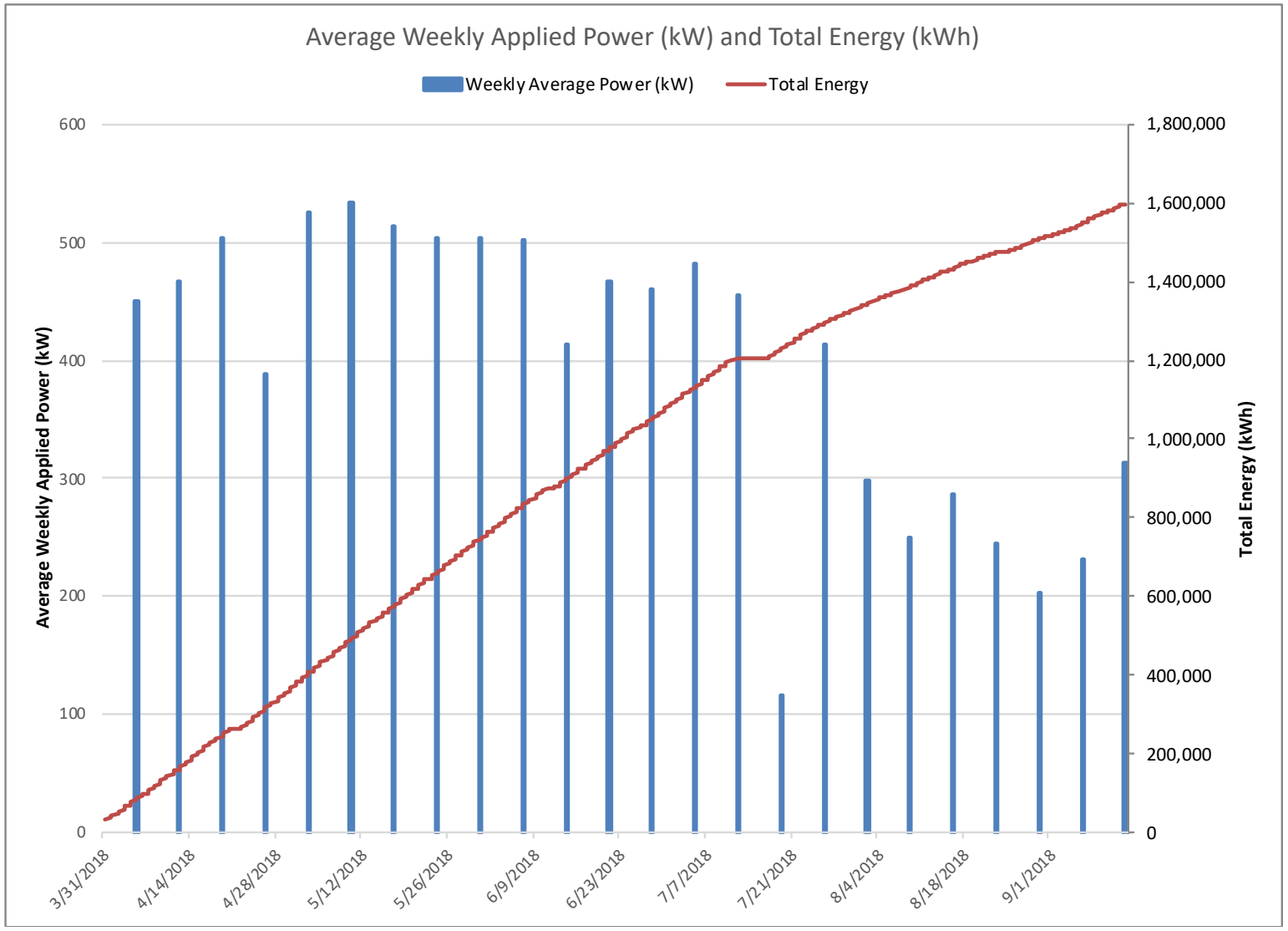


Figure 4. Average Daily Applied Power and Total Energy

November 21, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period September 13 – September 20, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending September 20, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	September 13, 2018	September 20, 2018
Average Power (kW)	313	281
Cumulative Energy Applied (kWh)	1,597,648	1,644,701
Average Site Subsurface Temperature (°C)	100.2	99.8
Average Condensate Production Rate (gpm)	0.91	0.85
Total Condensate Production (gallons)	162,537	171,152

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and safety voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was one unplanned shutdown longer than one hour in duration. A recycle pump overload caused a shut down on Sunday, September 16. Down time was 11 hours and 19 minutes before the problem could be corrected later that day. There was one other planned maintenance event and total downtime during the reporting period was 13 hours and 11 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 89 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 99.8 degrees Celsius (°C). This is an average subsurface temperature increase of 85.8°C from the baseline subsurface temperature data collected prior to ERH start-up. The average heat-up rate during the reporting period was approximately -0.1°C per day. In general, temperatures are dropping in areas of the treatment volume that were taken off-line on July 23, while temperatures were maintained or increasing in the portions of the treatment volume where ERH continues to be applied. The highest individual temperature measurement from within the treatment volume was 122.4°C, recorded at temperature monitoring point (TMP) C7, at a depth of 55 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 281 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of September 20, 2018, was 1,644,701 kilowatt-hours (kWh). This represents approximately 94 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also includes process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 265 standard cubic feet per minute (scfm).

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 14.5 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

Total condensate production is approximately 171,152 gallons and the production rate averaged 0.85 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of September 24, 2018, for continued system monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

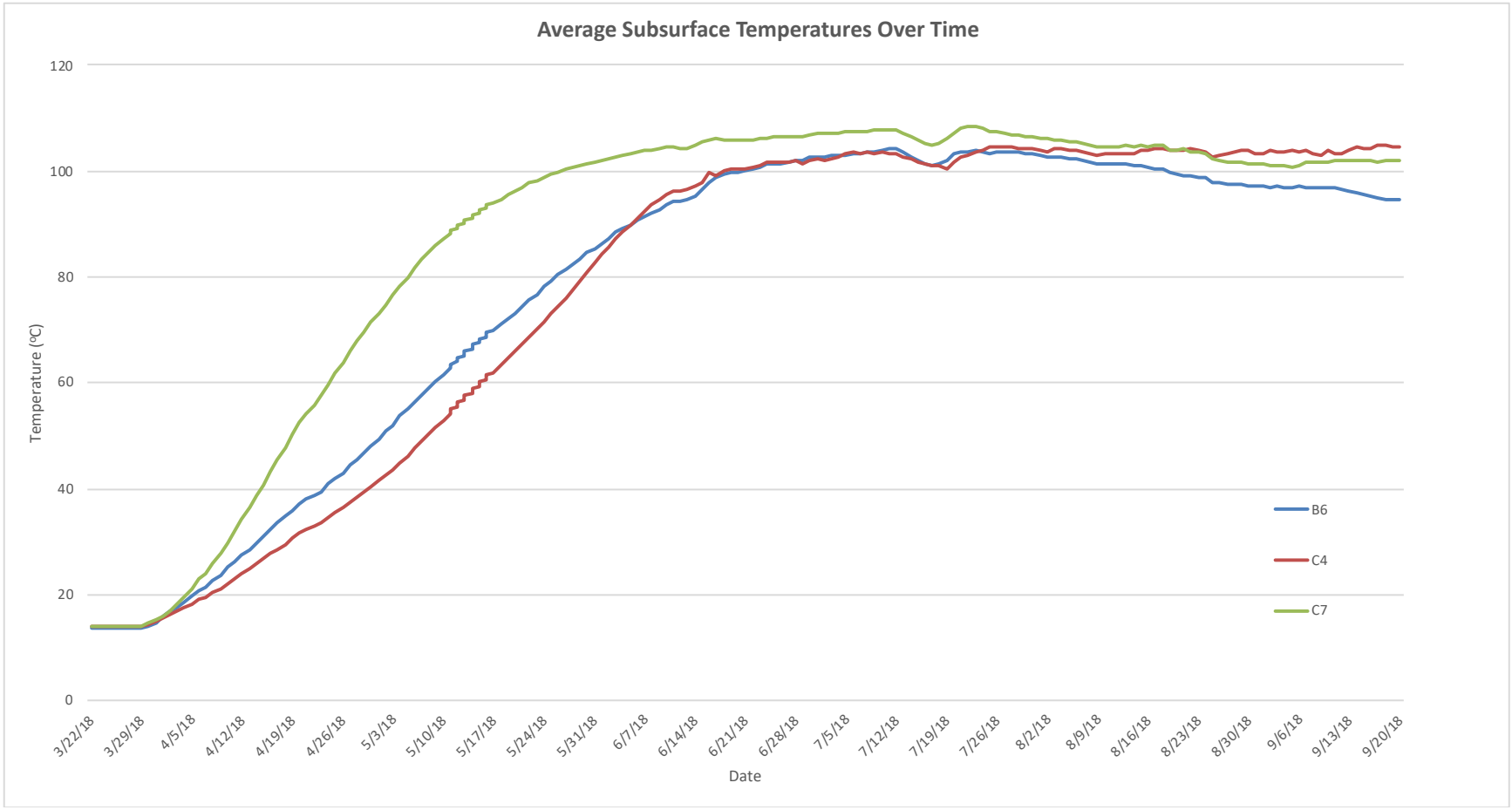


Figure 2. Average Site Subsurface Temperature vs. Time

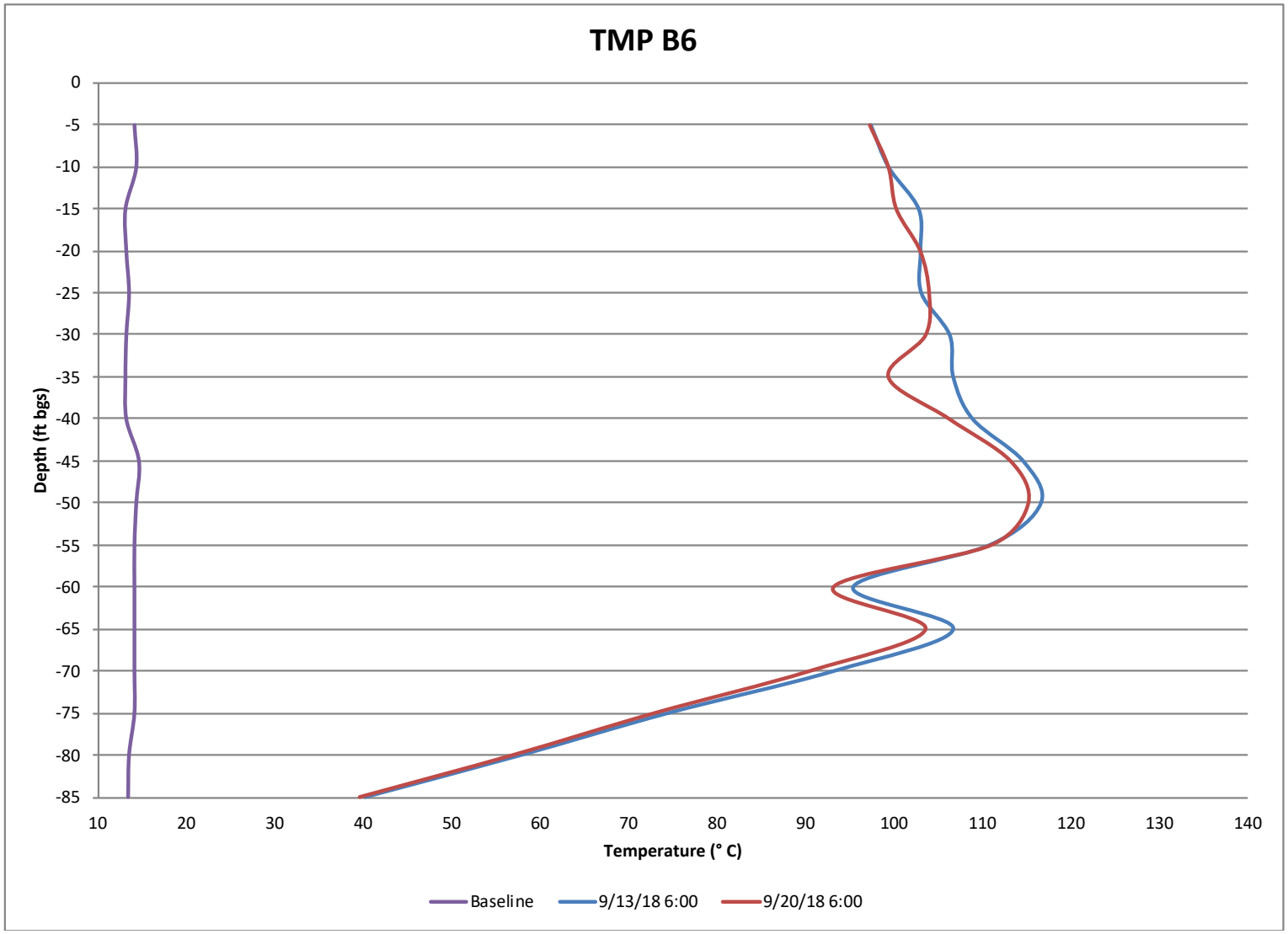


Figure 3a. TMP-B6 Temperature vs. Depth

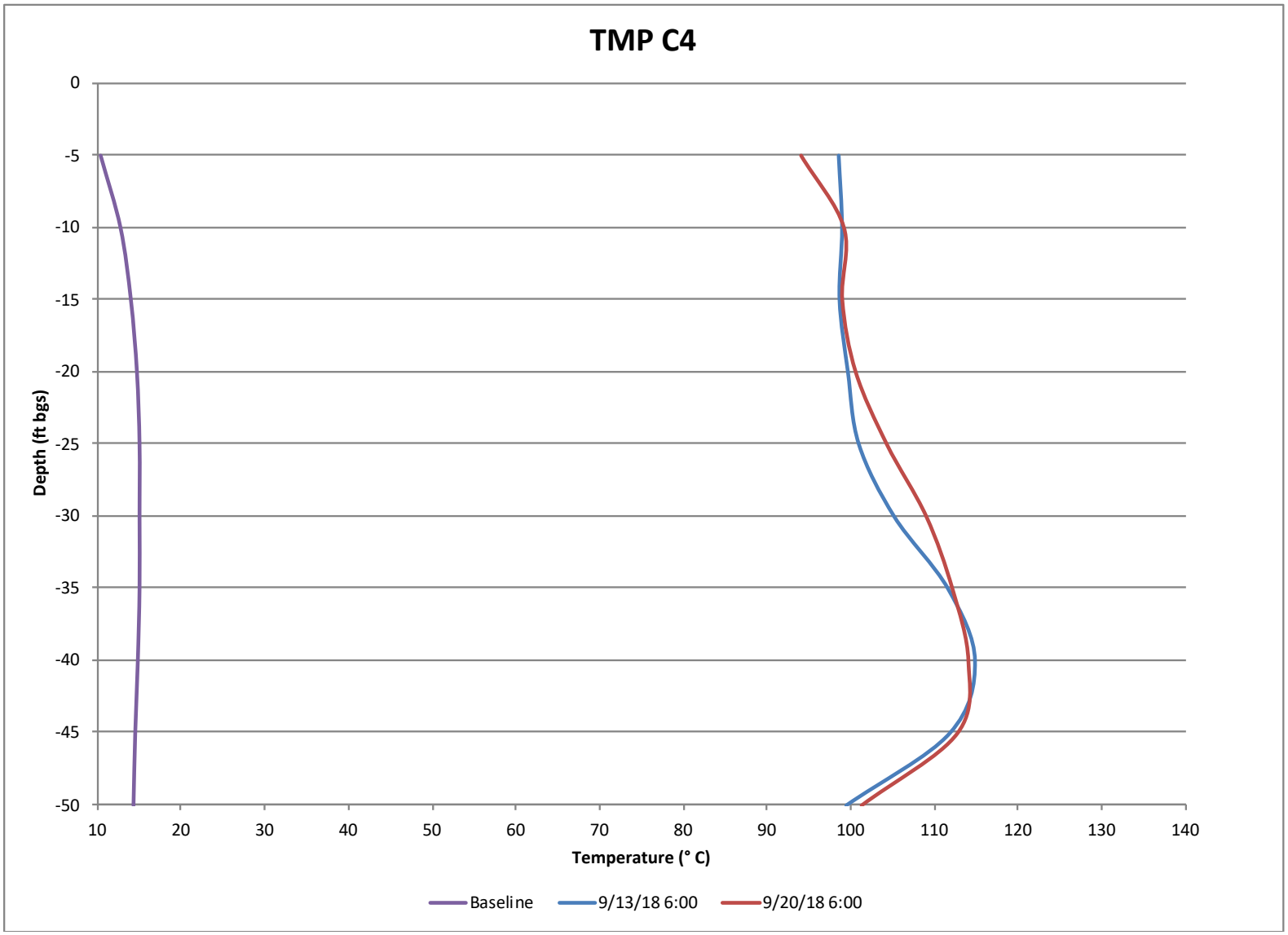


Figure 3b. TMP-C4 Temperature vs. Depth

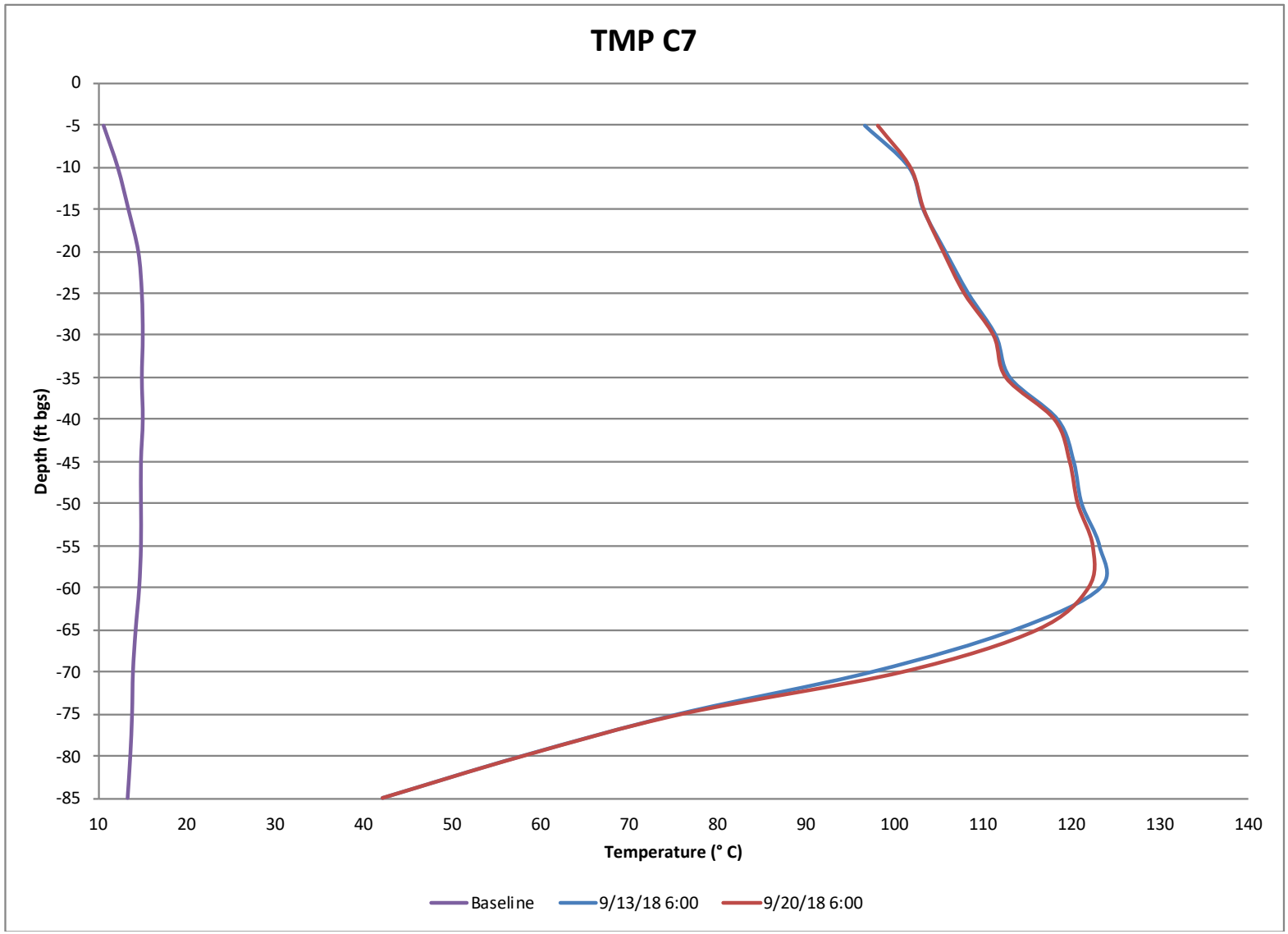


Figure 3b. TMP-C7 Temperature vs. Depth

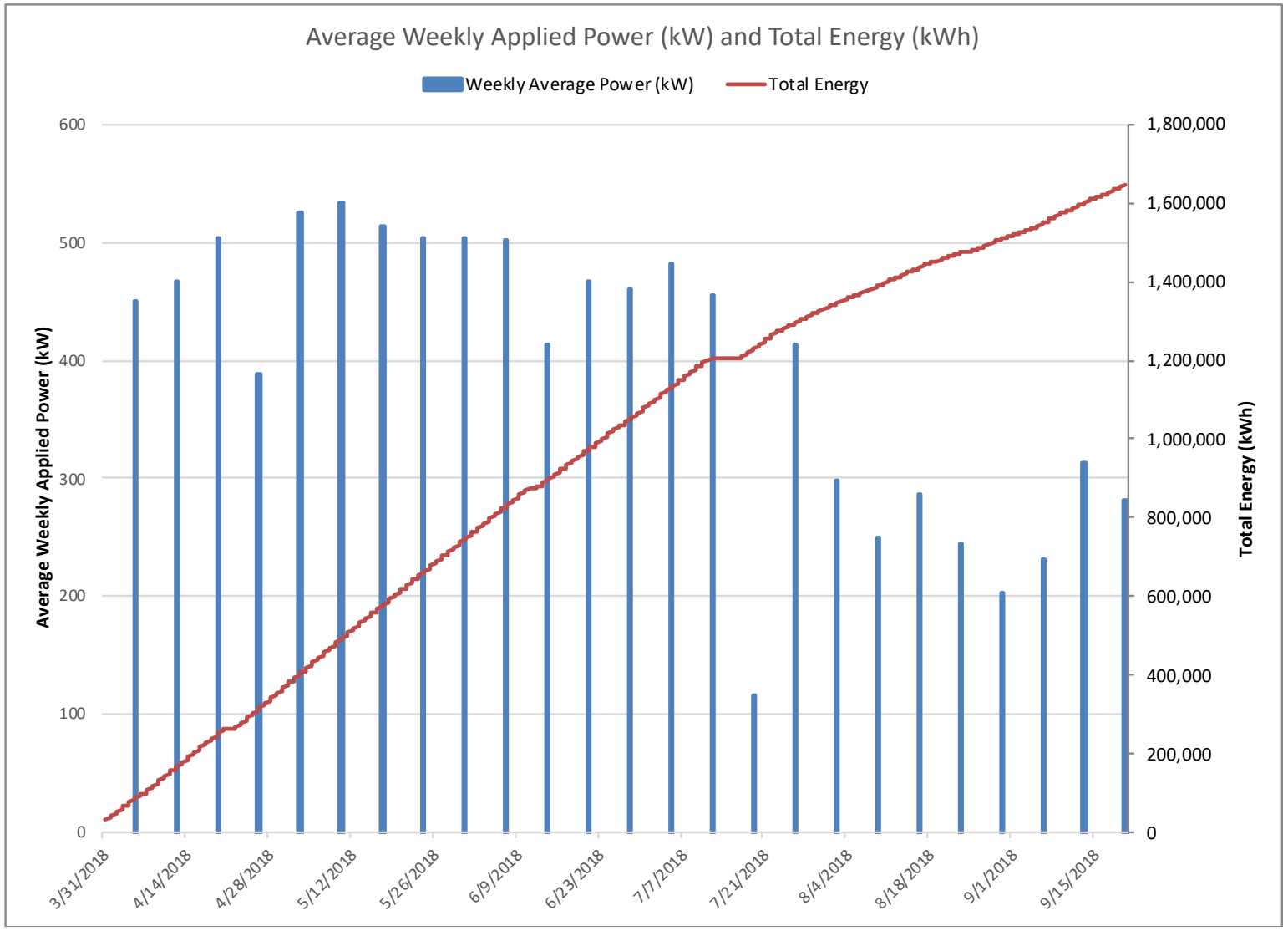


Figure 4. Average Daily Applied Power and Total Energy

November 21, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period September 20 – September 27, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending September 27, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	September 20, 2018	September 27, 2018
Average Power (kW)	281	218
Cumulative Energy Applied (kWh)	1,644,701	1,678,391
Average Site Subsurface Temperature (°C)	99.8	98.5
Average Condensate Production Rate (gpm)	0.85	0.68
Total Condensate Production (gallons)	171,152	178,044

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and safety voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was one unplanned shutdown longer than one hour in duration. A high temperature shut down occurred as a result of the steam condenser no longer receiving makeup water. TRS personnel were not in the area to troubleshoot and Pacific Crest was able to check on the water supply issue. Water had been shut off at the utility meter for unknown reasons. Total downtime during the reporting period was almost 54 hours. Since ERH system start-up, total uptime of the ERH system is approximately 88 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 98.5 degrees Celsius (°C). This is an average subsurface temperature increase of 84.5°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately -0.2°C per day. In general, temperatures are dropping in areas of the treatment volume that were taken offline on July 23, while temperatures were maintained in the portions of the treatment volume where ERH continues to be applied. The highest individual temperature measurement from within the treatment volume was 121.4°C, recorded at temperature monitoring point (TMP) C7, at a depth of 55 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 218 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of September 27, 2018, was 1,678,391 kilowatt-hours (kWh). This represents approximately 95.9 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 324 standard cubic feet per minute (scfm). The water shut-off event also affected vapor recovery (VR) primarily over the weekend until the problem was fixed on Monday. The floor temperature in the Seattle Collision Center rose to approximately 135 degrees Fahrenheit in isolated locations but cooled quickly once VR was restored. Investigation by Pacific Crest and TRS did not reveal any evidence of steam leaks or vapor intrusion during this event.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 14.9 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

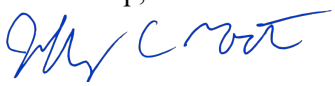
Total condensate production is approximately 178,044 gallons and the production rate averaged 0.68 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site the week of October 1, 2018 for continued system monitoring and optimization.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

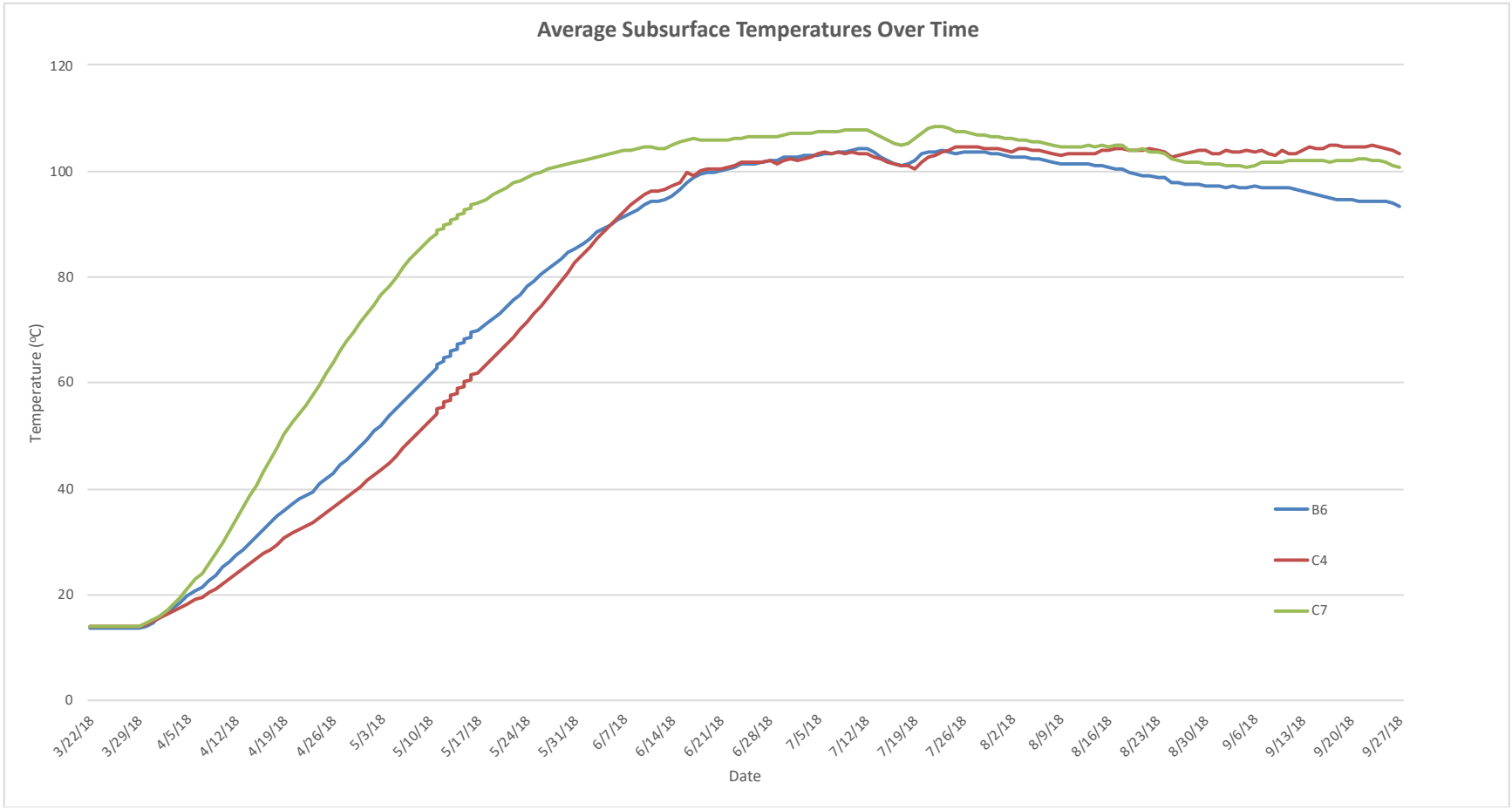


Figure 2. Average Site Subsurface Temperature vs. Time

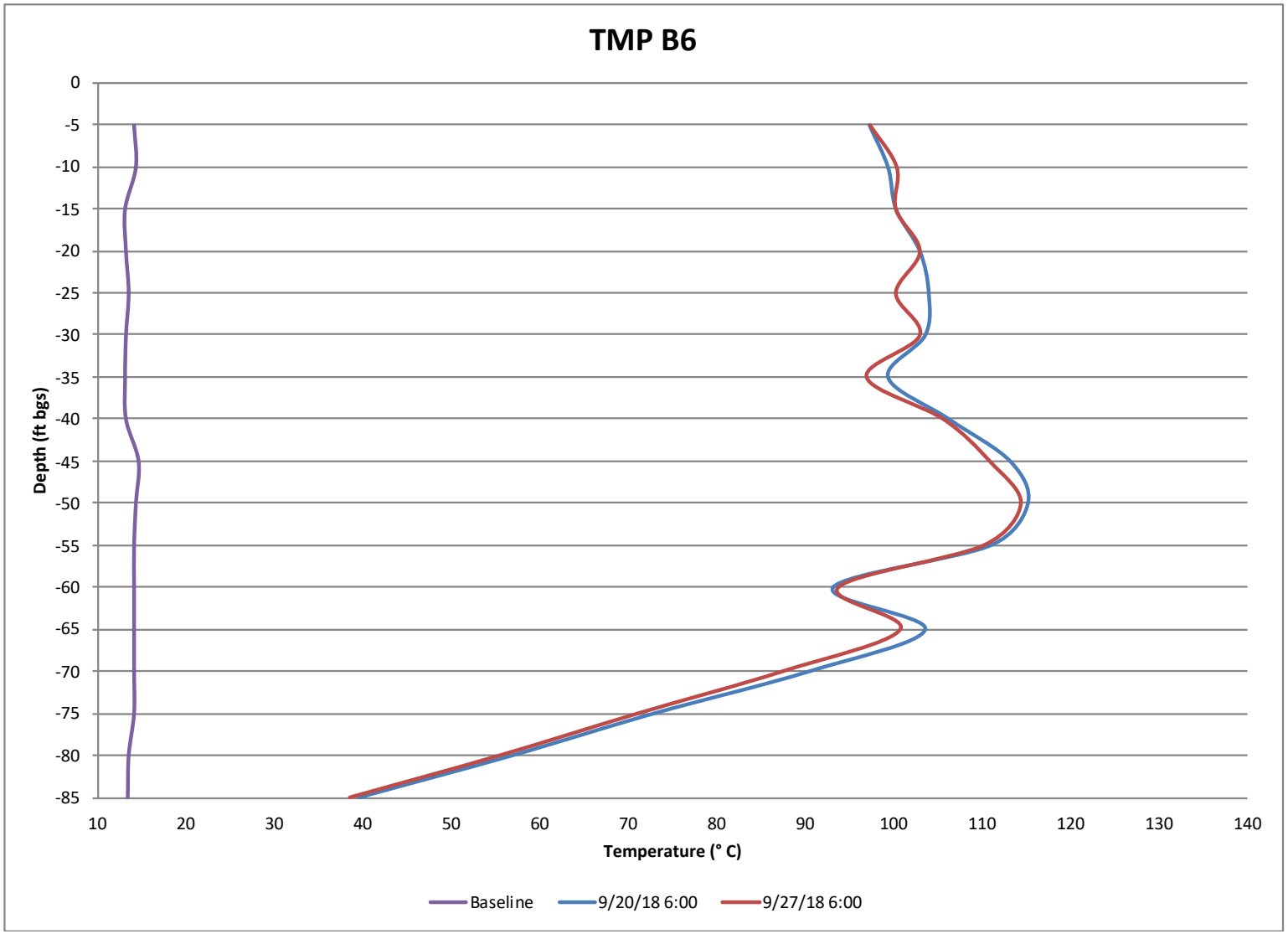


Figure 3a. TMP-B6 Temperature vs. Depth

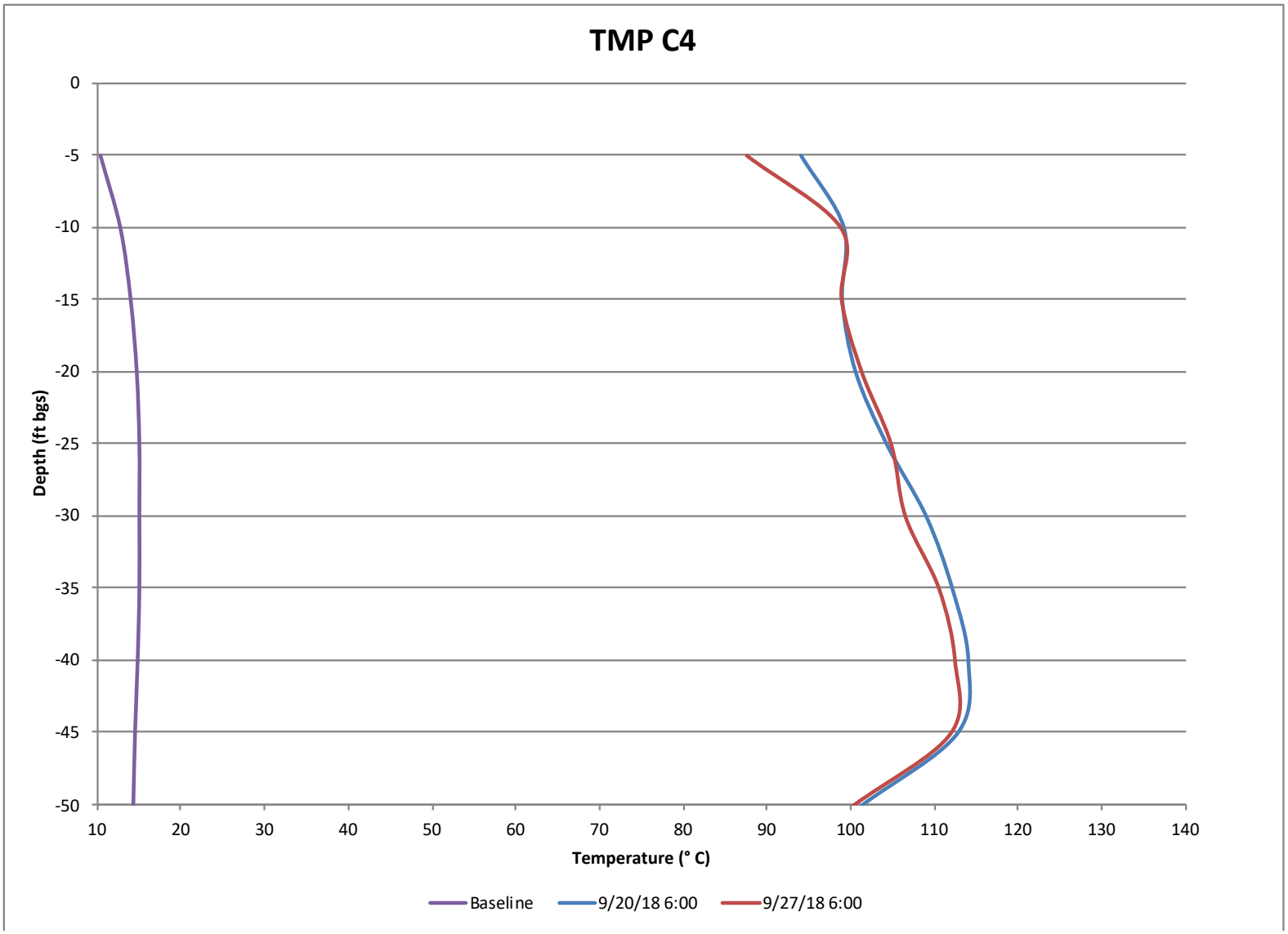


Figure 3b. TMP-C4 Temperature vs. Depth

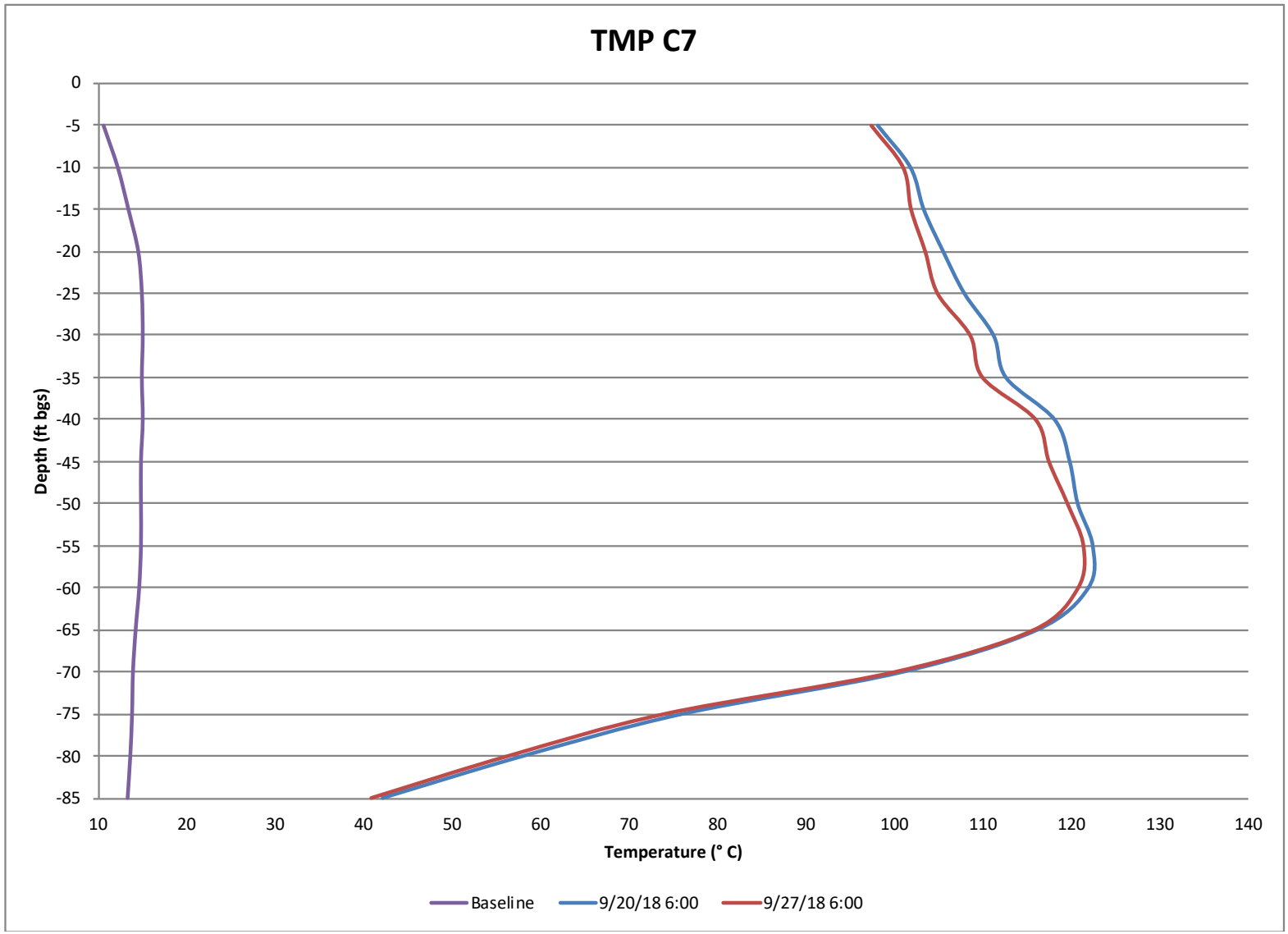


Figure 3b. TMP-C7 Temperature vs. Depth

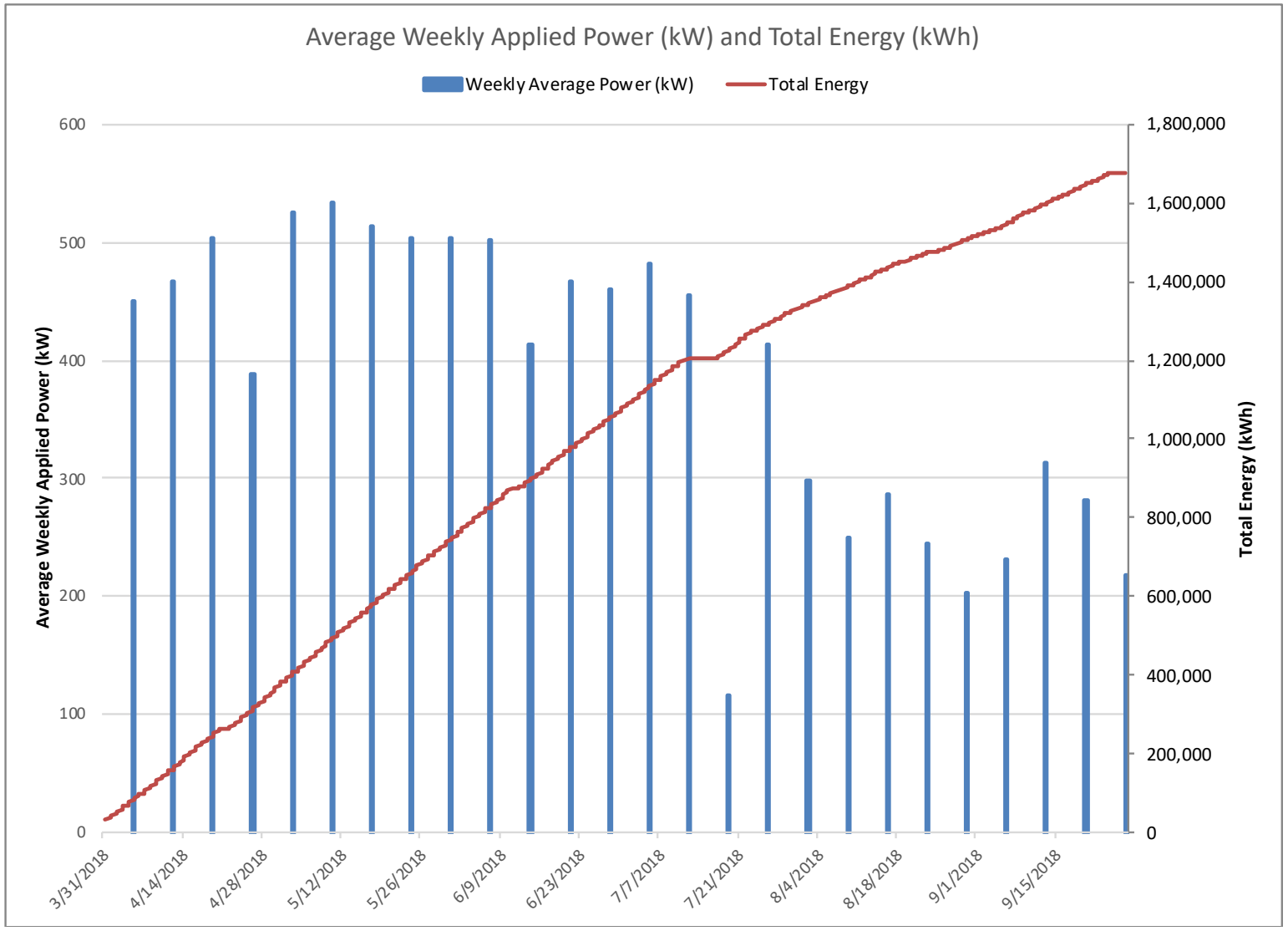


Figure 4. Average Daily Applied Power and Total Energy

November 21, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period September 27 – October 4, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending October 4, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time.

ERH System Parameter	September 27, 2018	October 4, 2018
Average Power (kW)	218	255
Cumulative Energy Applied (kWh)	1,678,391	1,725,486
Average Site Subsurface Temperature (°C)	98.5	99.1
Average Condensate Production Rate (gpm)	0.68	0.72
Total Condensate Production (gallons)	178,044	185,265

TRS Group, Inc. (TRS) personnel were on-site during the reporting period. Site activities included system operation, system optimization, and safety voltage testing. During safety voltage testing, no voltage potentials were identified outside of the limits established in the TRS Health and Safety Plan and the Seattle Collison Center (SCC) Agreement.

During the reporting period, there was no unplanned or planned shutdowns longer than one hour in duration. Since ERH system start-up, total uptime of the ERH system is approximately 88 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 99.1 degrees Celsius (°C). This is an average subsurface temperature increase of 85.1°C from the baseline subsurface temperature data collected prior to start-up. The average heat-up rate during the reporting period was approximately 0.1°C per day. In general, temperatures are dropping in areas of the treatment volume that were taken offline on July 23, while temperatures increased in the portions of the treatment volume where ERH continues to be applied. The highest individual temperature measurement from within the treatment volume was 120.9°C, recorded at temperature monitoring point (TMP) C7, at a depth of 55 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

The ERH power control unit (PCU) averaged 255 kilowatts (kW) of applied power to the treatment volume over the reporting period, including all down time. The electrical energy applied to the subsurface as of October 4, 2018, was 1,725,486 kilowatt-hours (kWh). This represents approximately 98.5 percent of the total 1,750,000 kWh design energy. These values are provided as a reference only. The Seattle City Light revenue meter associated with the treatment system will provide slightly differing values that also include process equipment. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

During this reporting period, the average vacuum applied to the subsurface was approximately 28 inches of water column (in wc). The vapor stream flow rate as measured after the ERH condenser averaged 307 standard cubic feet per minute (scfm) and experienced 100 percent operational uptime.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 15.0 pounds of volatile organic compound (VOC) mass has been removed from the subsurface.

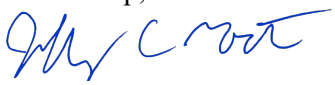
Total condensate production is approximately 185,265 gallons and the production rate averaged 0.72 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are not scheduled to be on-site the week of October 8, 2018. The system will be remotely shut down when the energy goal has been reached.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

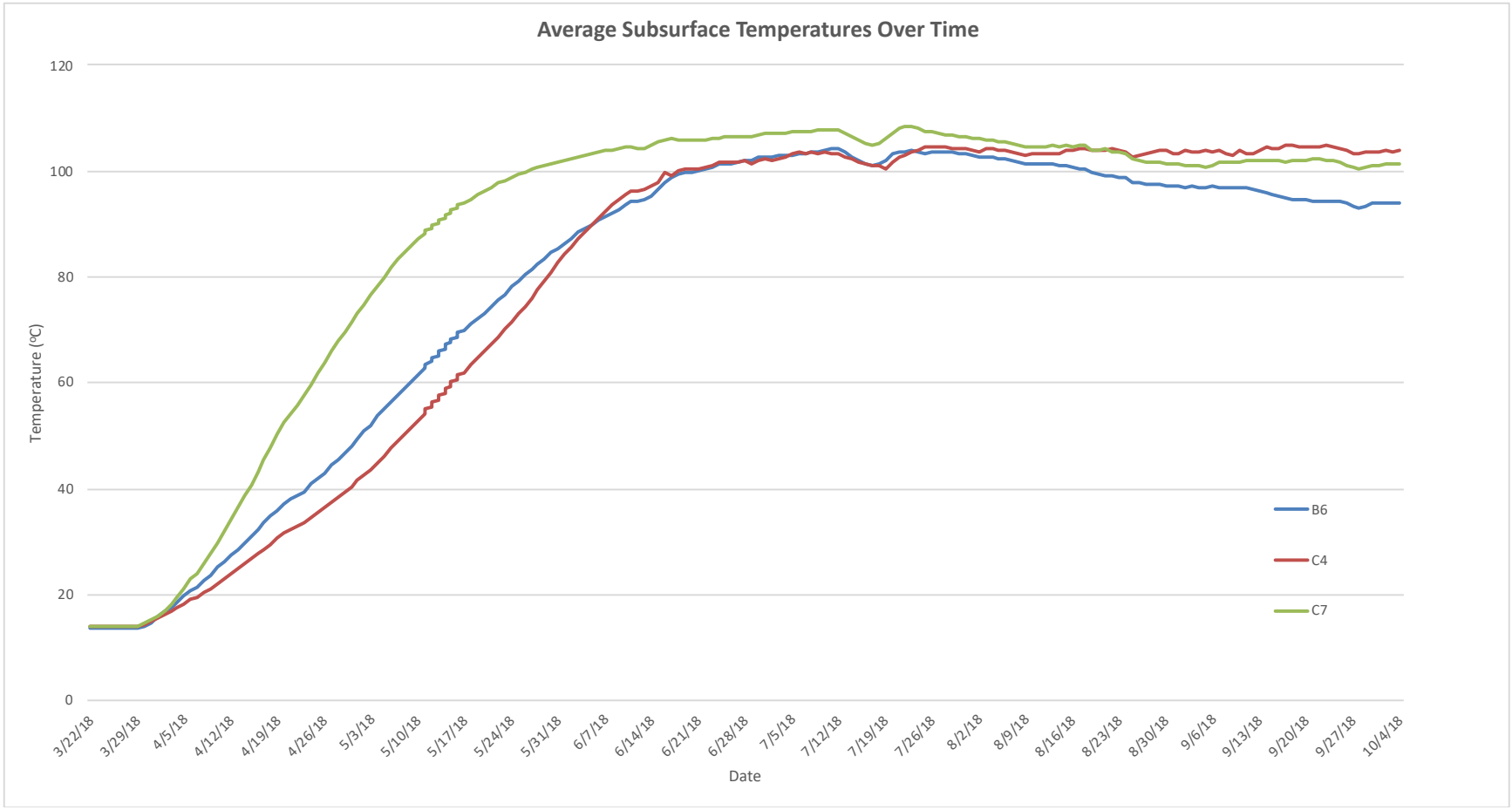


Figure 2. Average Site Subsurface Temperature vs. Time

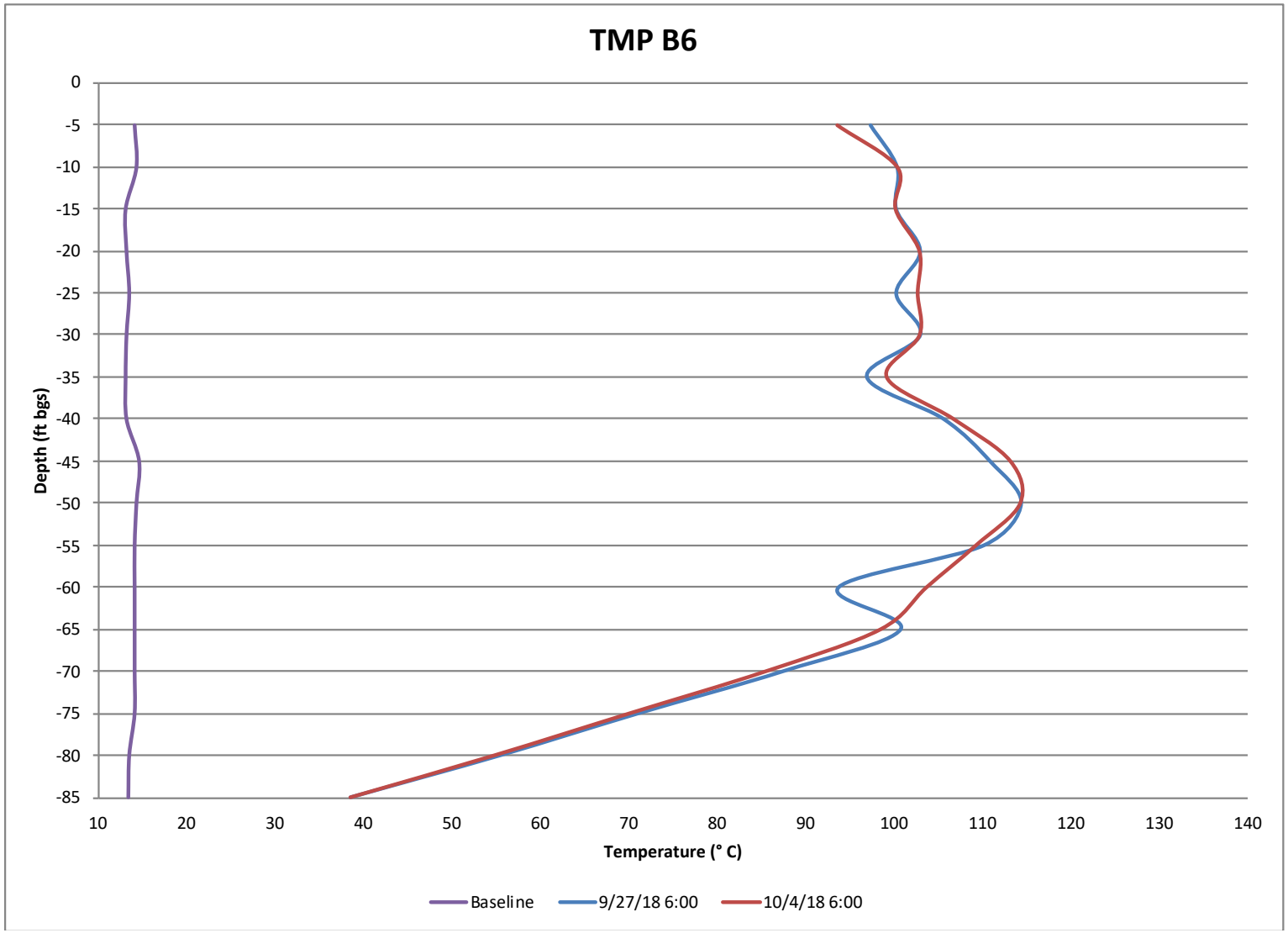


Figure 3a. TMP-B6 Temperature vs. Depth

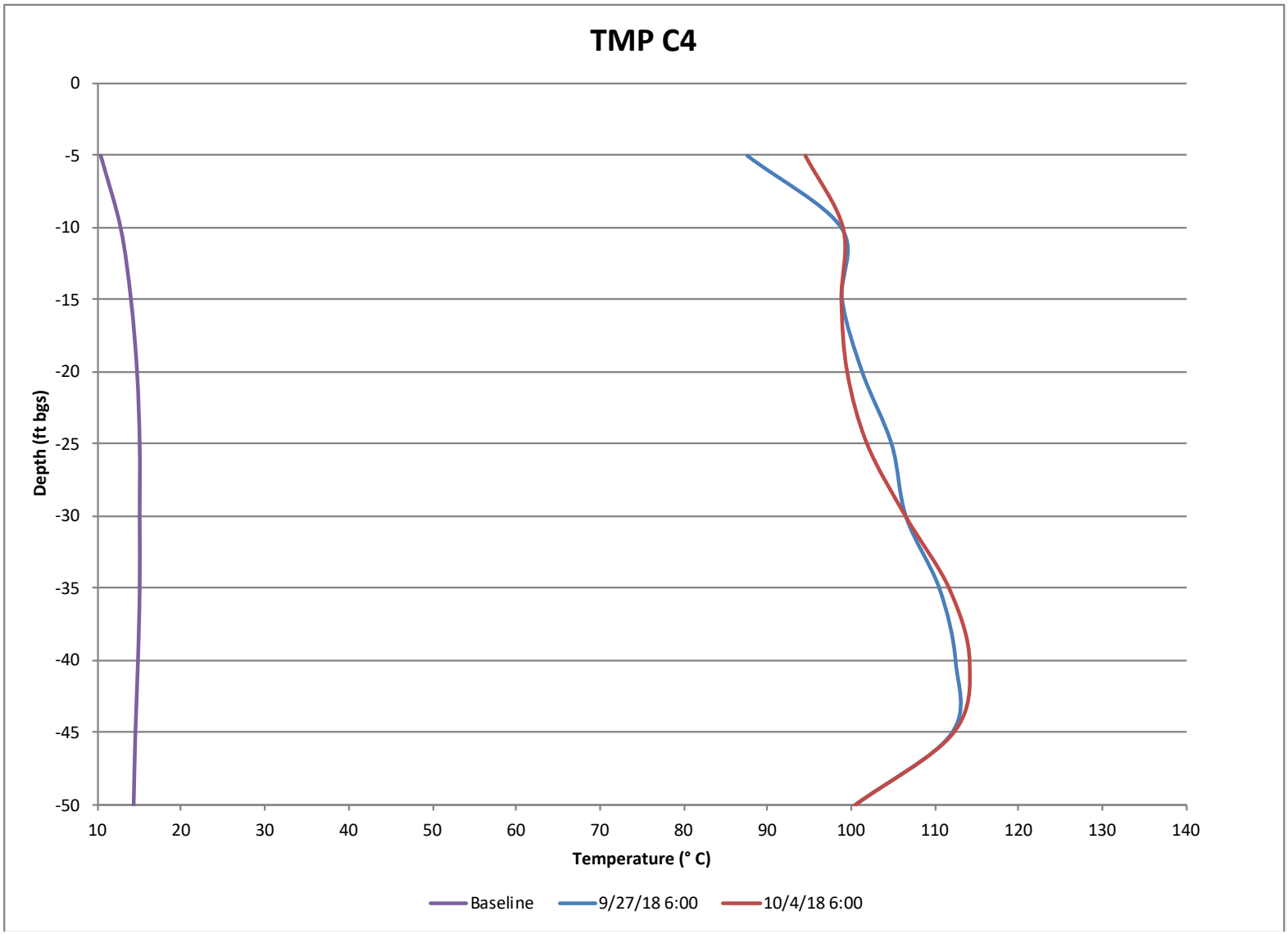


Figure 3b. TMP-C4 Temperature vs. Depth

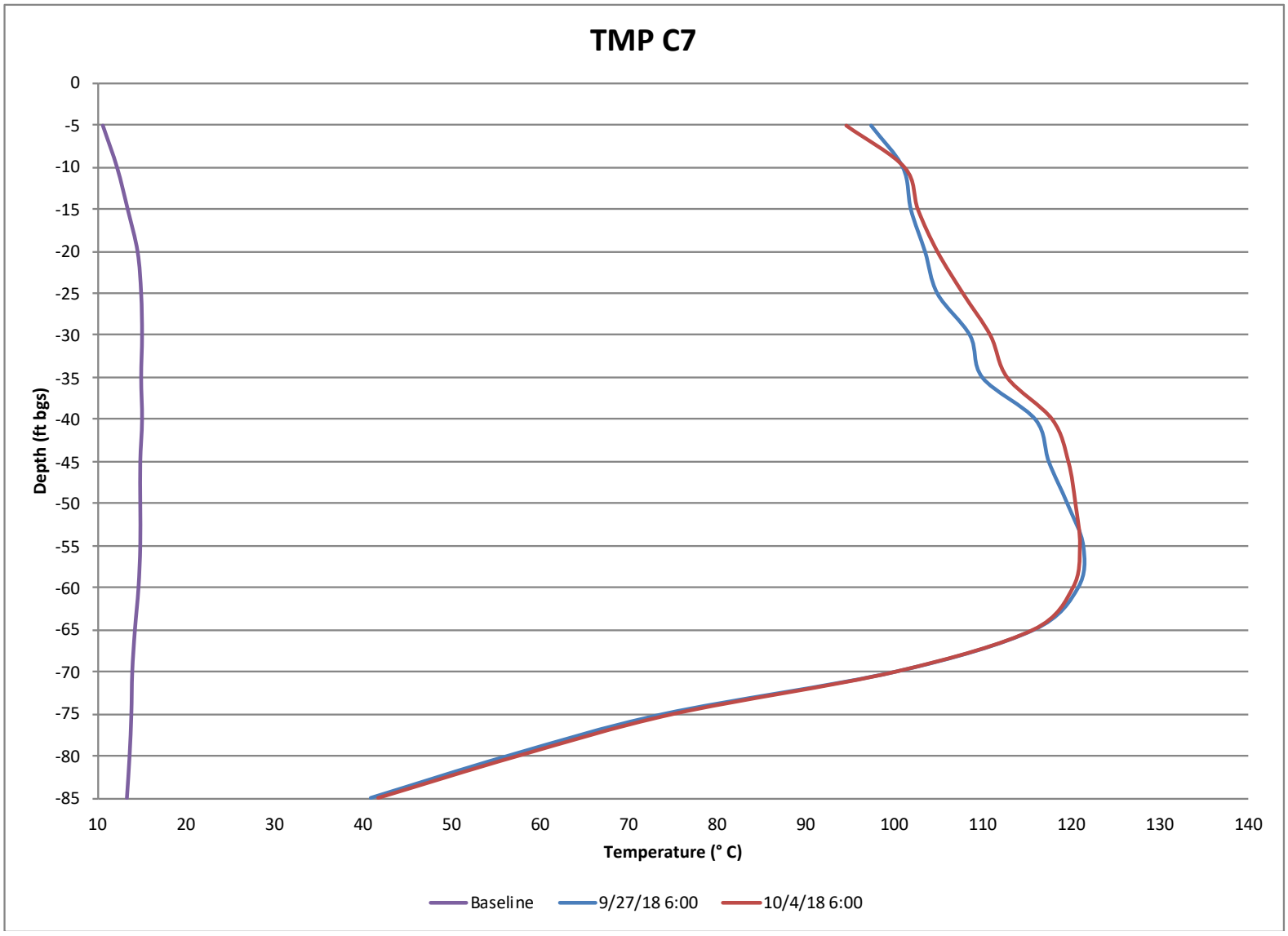


Figure 3b. TMP-C7 Temperature vs. Depth

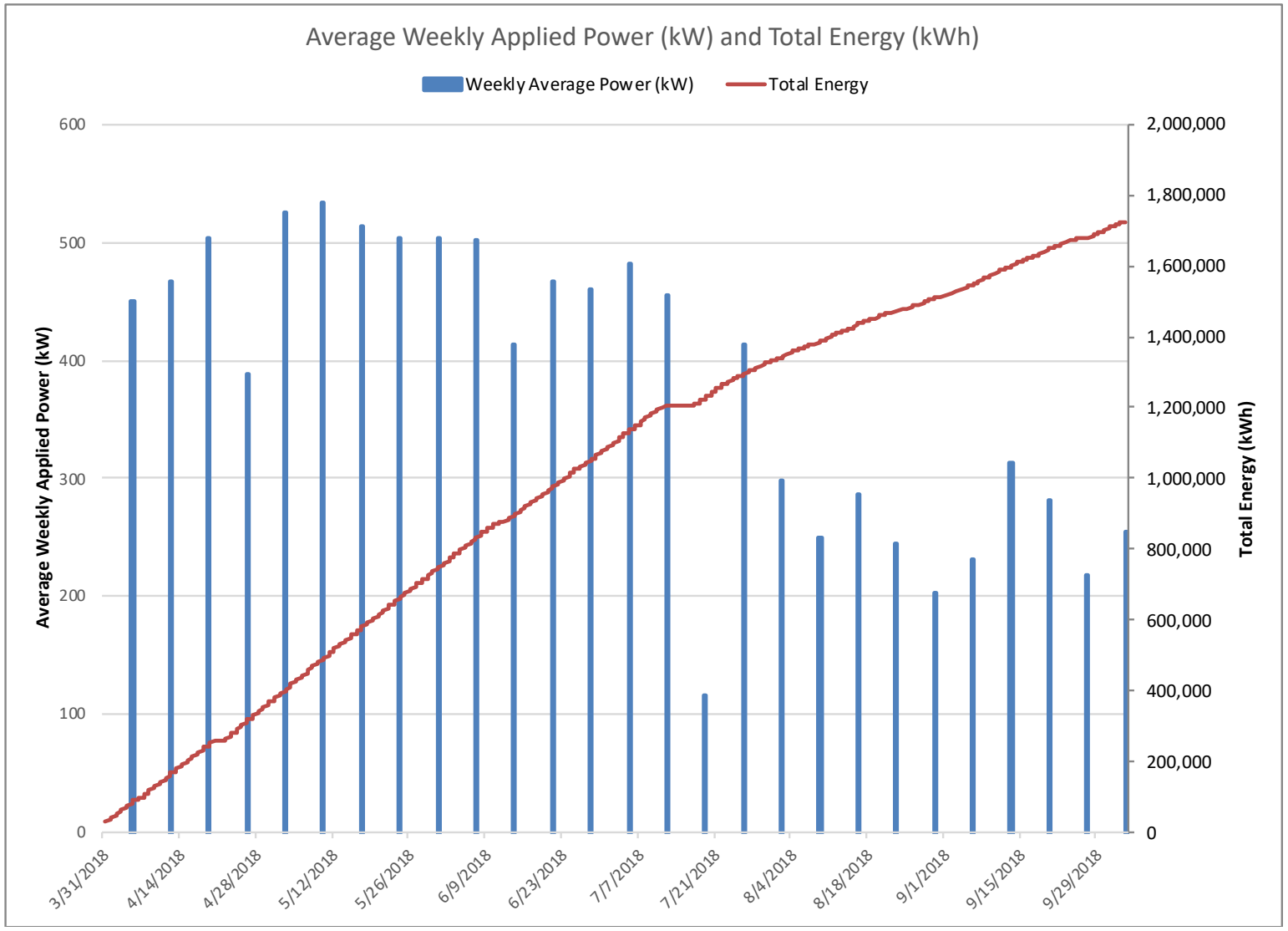


Figure 4. Average Daily Applied Power and Total Energy

November 26, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period October 4 – October 11, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending October 11, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time. ERH application was ceased on October 8, 2018, at 4:36 AM upon reaching the energy input milestone of 1,750,000 kilowatt-hours (kWh).

ERH System Parameter	October 4, 2018	October 11, 2018
Average Power (kW)	0	0
Cumulative Energy Applied (kWh)	1,725,486	1,750,245
Average Site Subsurface Temperature (°C)	97.3	97.3
Average Condensate Production Rate (gpm)	0.72	0.58
Total Condensate Production (gallons)	185,265	191,145

TRS Group, Inc. (TRS) personnel were on-site and performed a maintenance check during the reporting period. Operation of the vapor recovery (VR) system has not been interrupted since the cessation of ERH application to the treatment volume.

During the reporting period, there was no unplanned shutdown longer than one hour in duration. Total downtime during the reporting period was only 4 minutes. Since ERH system start-up, total uptime of the ERH system is approximately 89 percent.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 97.3 degrees Celsius (°C). ERH application was ceased during the reporting period and the average site temperature of the treatment area fell at an average rate of 0.2°C per day. The highest individual temperature measurement from within the treatment volume was 120.3°C, recorded at temperature monitoring point (TMP) C7, at a depth of 55 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

As stated previously, ERH application was ceased on October 8, 2018, when 100 percent of the total 1,750,000 kWh design energy was reached. Electrical energy use is now for the VR blower and ancillary equipment only. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

Operational data was not collected during the reporting period. The vapor stream flow rate was approximately 310 standard cubic feet per minute (scfm).

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 15.2 pounds of volatile organic compound (VOC) mass was removed from the subsurface at the time ERH application ceased.

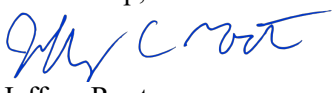
Total condensate production is approximately 191,145 gallons and the production rate averaged 0.58 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site during the next reporting period for a weekly maintenance check. TRS Group will continue to operate the VR system until such time as steaming has ceased and the floor of the Seattle Collision Center will not become excessively hot.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.



Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

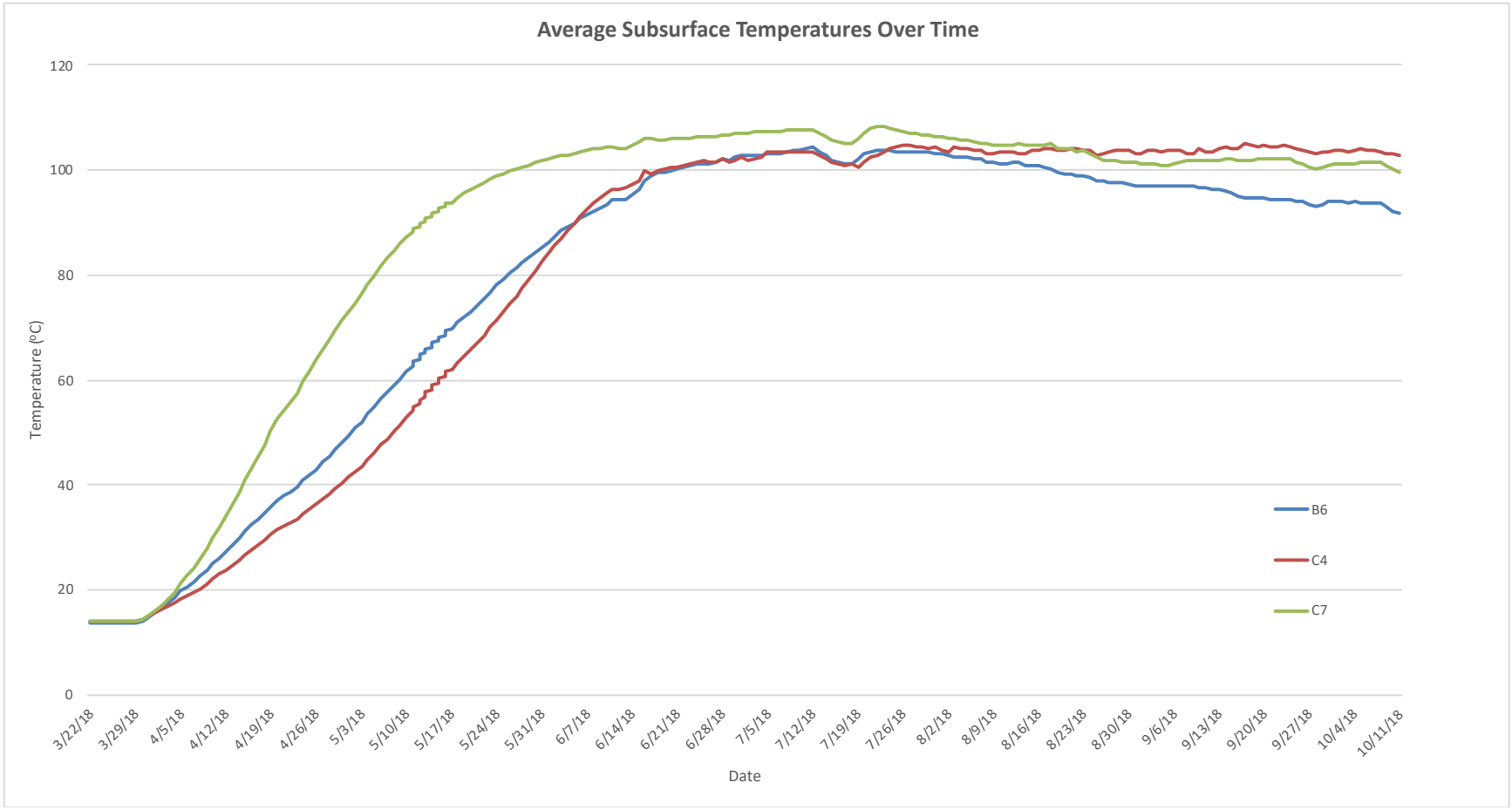


Figure 2. Average Site Subsurface Temperature vs. Time

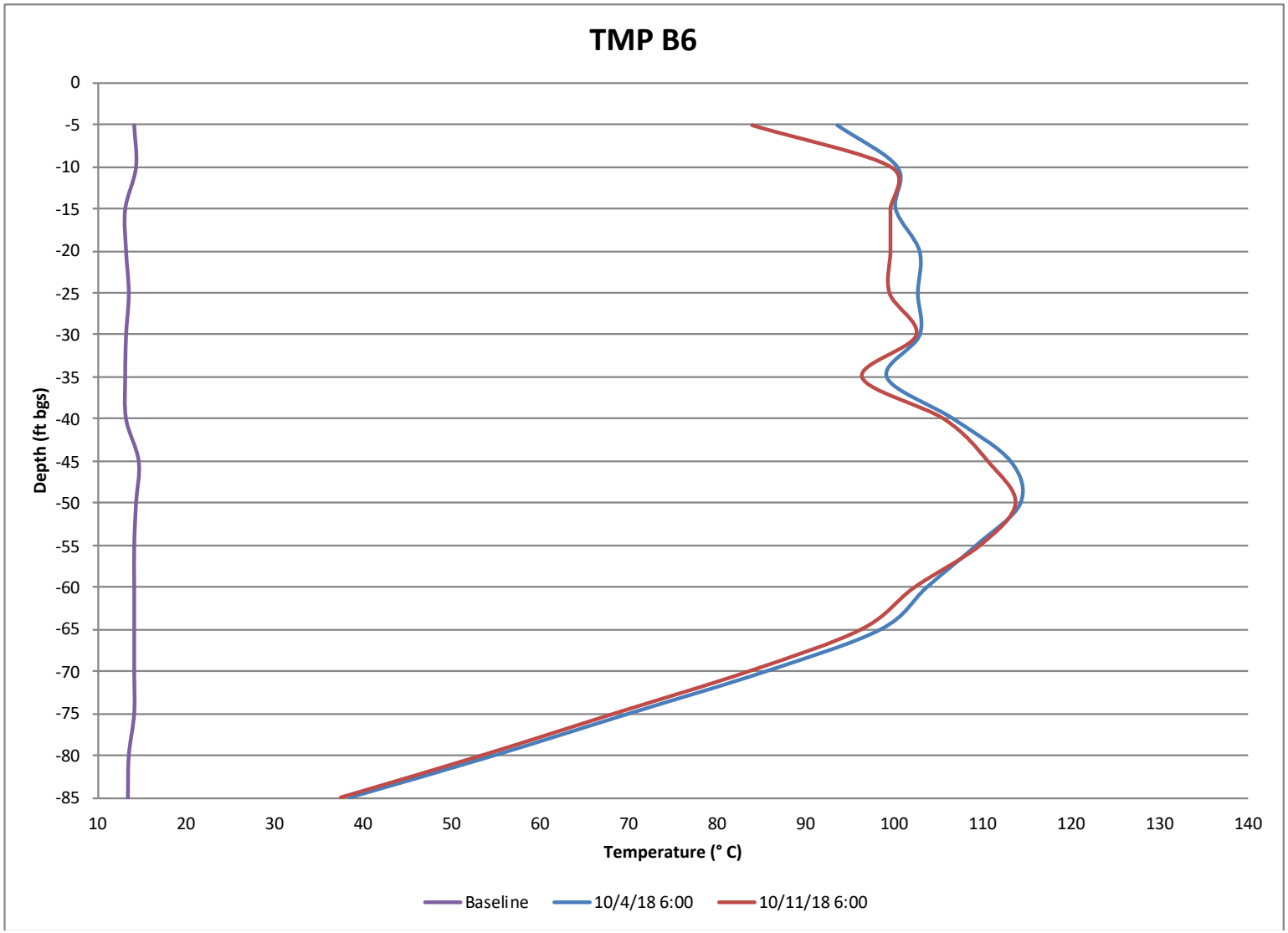


Figure 3a. TMP-B6 Temperature vs. Depth

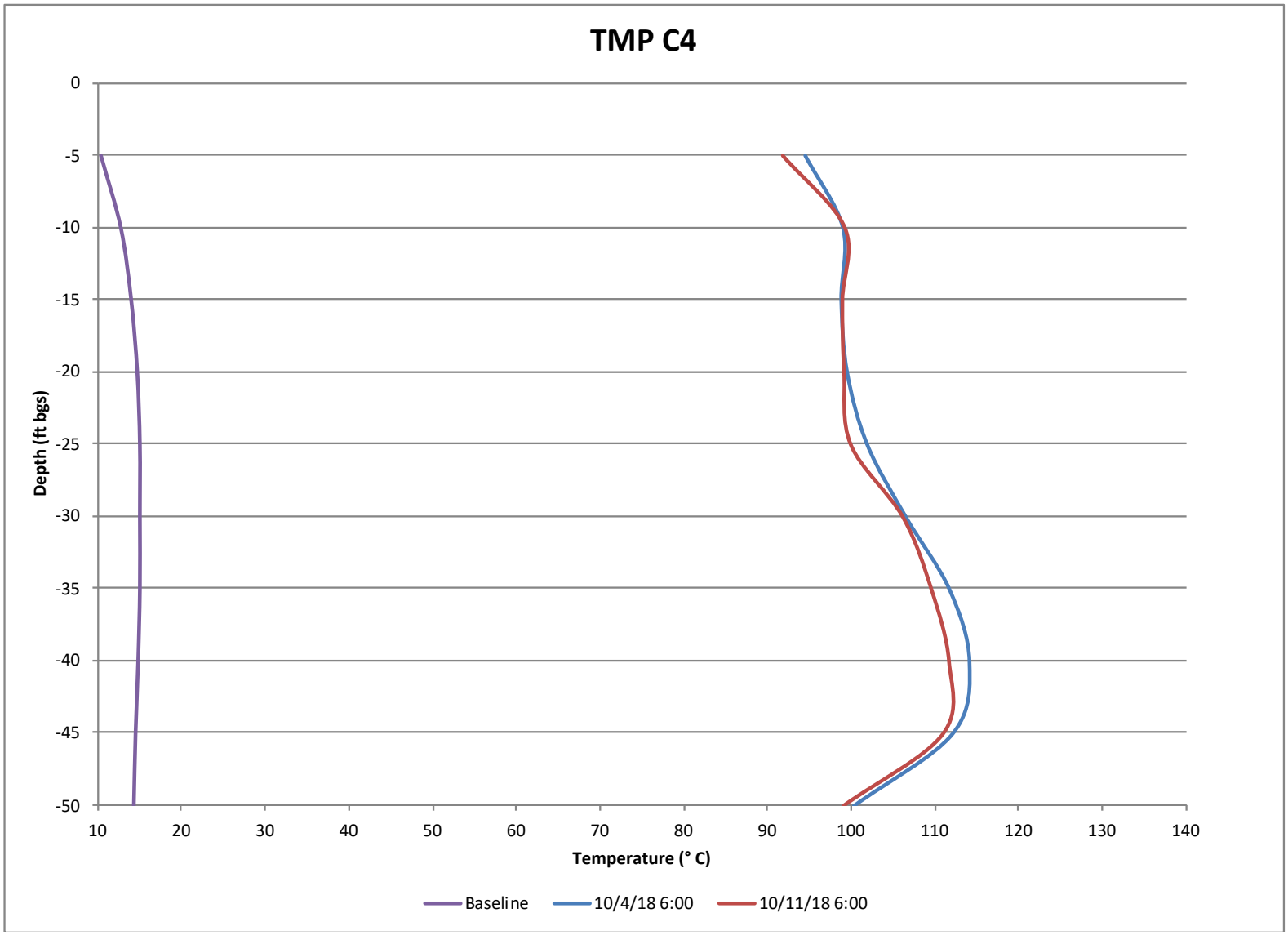


Figure 3b. TMP-C4 Temperature vs. Depth

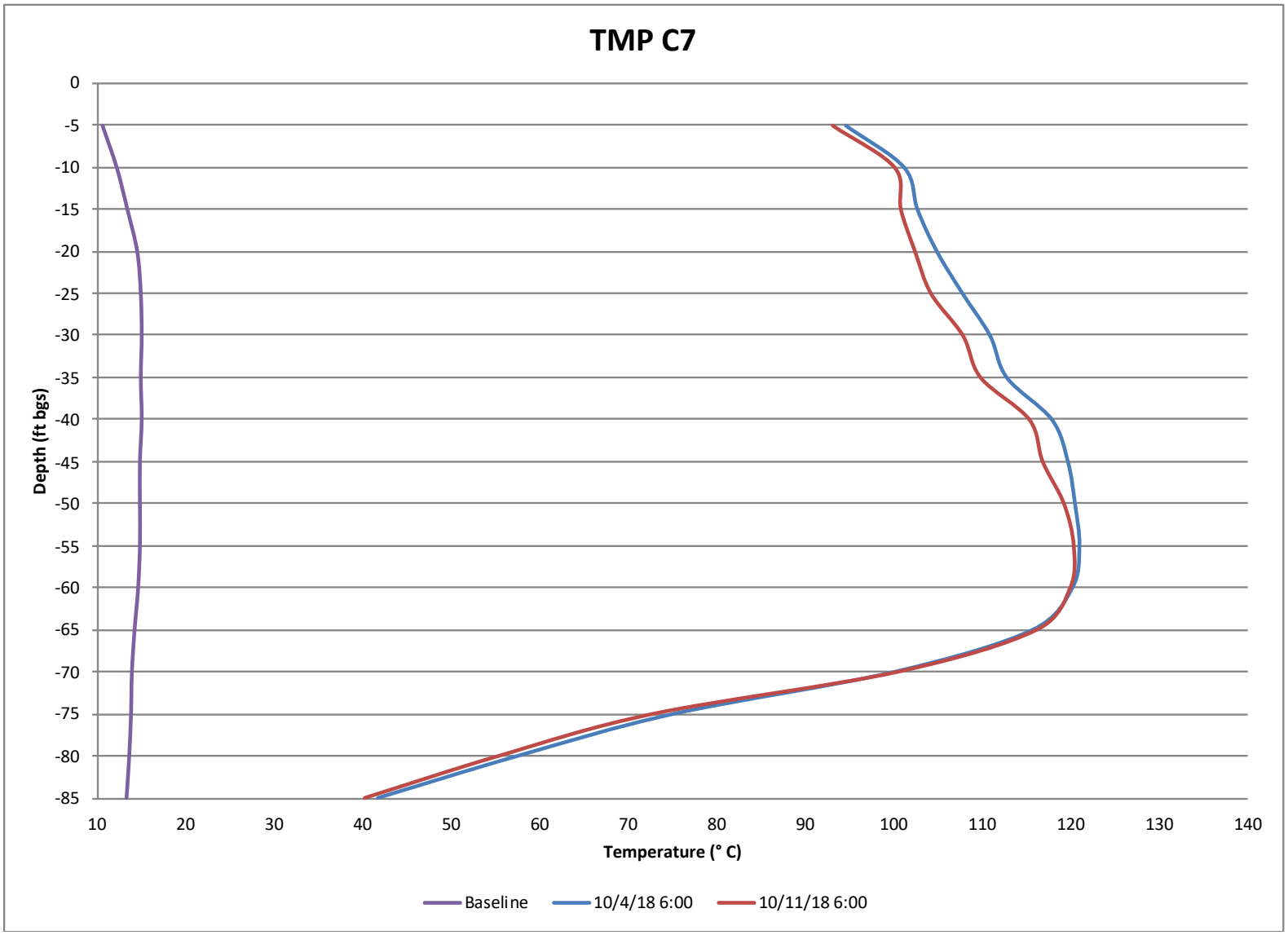


Figure 3b. TMP-C7 Temperature vs. Depth

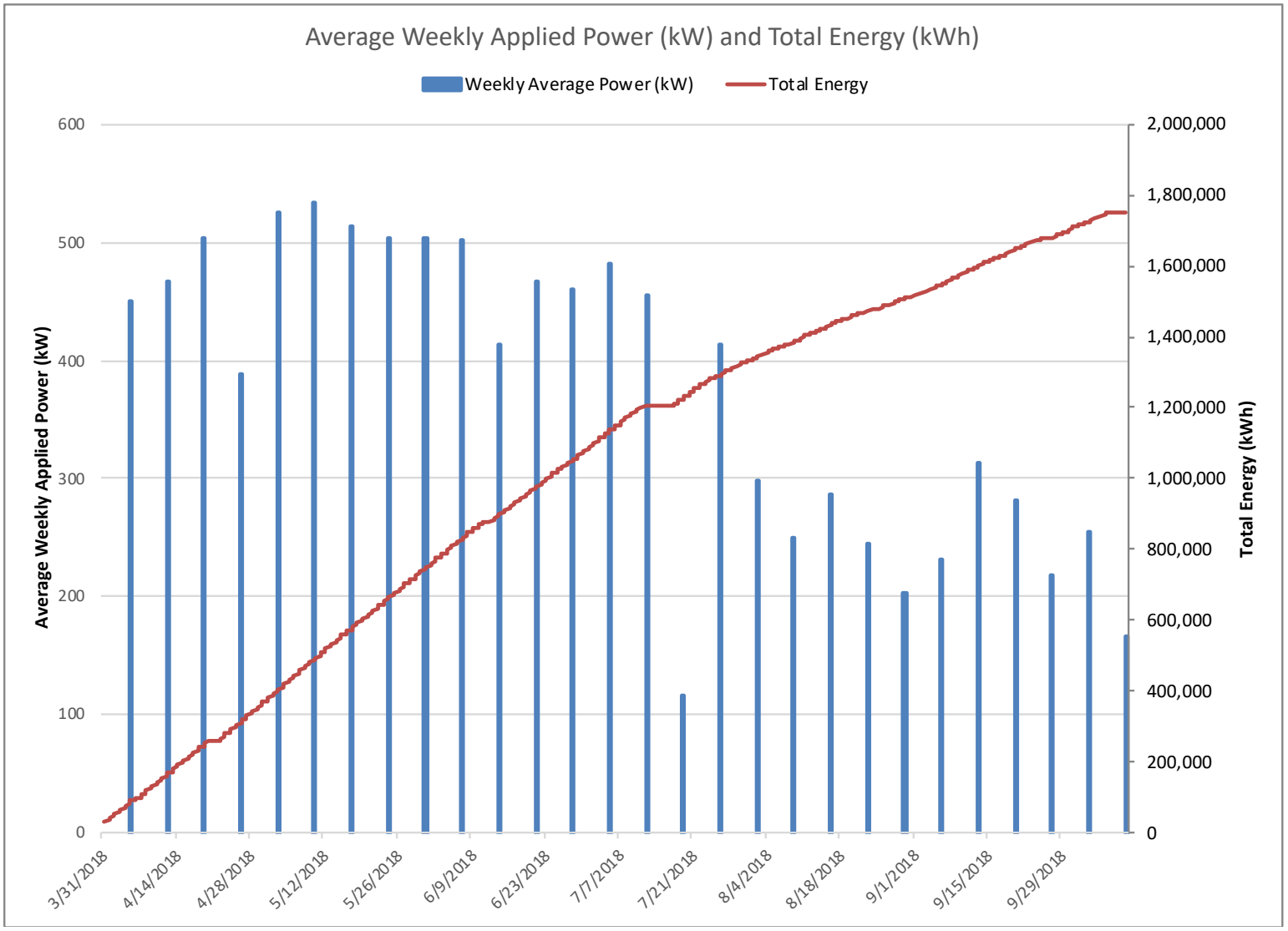


Figure 4. Average Daily Applied Power and Total Energy

November 26, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period October 11 – October 18, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending October 18, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time and ERH application was ceased on October 8, 2018, at 4:36 AM.

ERH System Parameter	October 11, 2018	October 18, 2018
Average Power (kW)	0	0
Cumulative Energy Applied (kWh)	1,750,245	1,750,245
Average Site Subsurface Temperature (°C)	97.3	94.9
Average Condensate Production Rate (gpm)	0.58	0.10
Total Condensate Production (gallons)	191,145	192,184

TRS Group, Inc. (TRS) personnel were on-site and performed a maintenance check during the reporting period. Operation of the vapor recovery (VR) system operation has not been interrupted since the cessation of ERH application.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 94.9 degrees Celsius (°C). The site is cooling at an average rate of 0.4°C per day. The highest individual temperature measurement from within the treatment volume was 119.2°C, recorded at temperature monitoring point (TMP) C7, at a depth of 55 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

As stated previously, ERH application was ceased on October 8, 2018, when 100 percent of the total 1,750,000 kilowatt-hours (kWh) design energy was reached. Energy use is now for the vapor recovery blower and ancillary equipment only. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

Operational data was not collected during the reporting period. The vapor stream flow rate was approximately 310 standard cubic feet per minute (scfm).

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 15.2 pounds of volatile organic compound (VOC) mass was removed from the subsurface at the time ERH application ceased. PID readings are no longer being collected.

Total condensate production is approximately 192,184 gallons and the production rate averaged 0.10 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site during the next reporting period for another weekly maintenance check. TRS Group will continue to operate the vapor recovery system.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

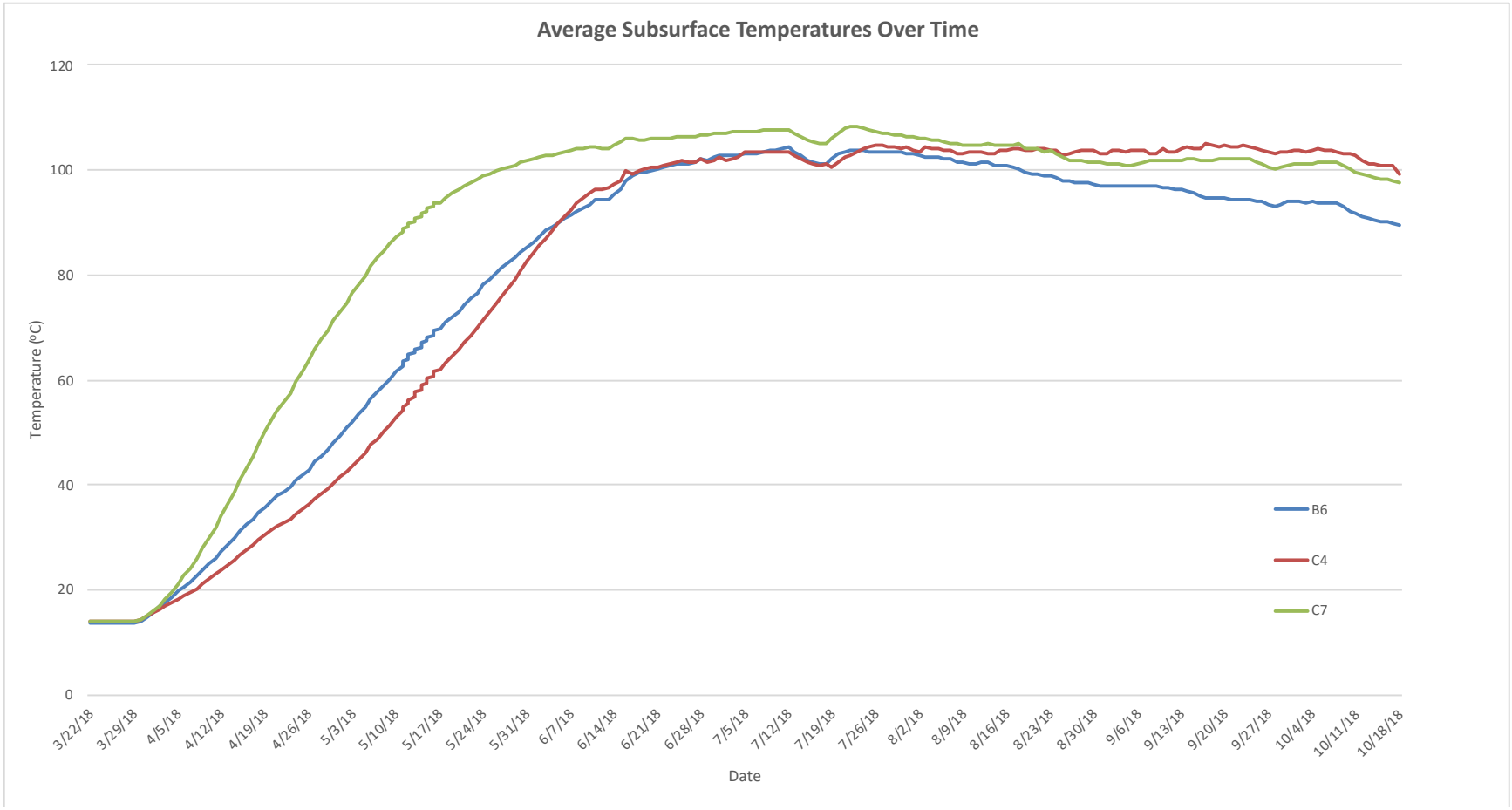


Figure 2. Average Site Subsurface Temperature vs. Time

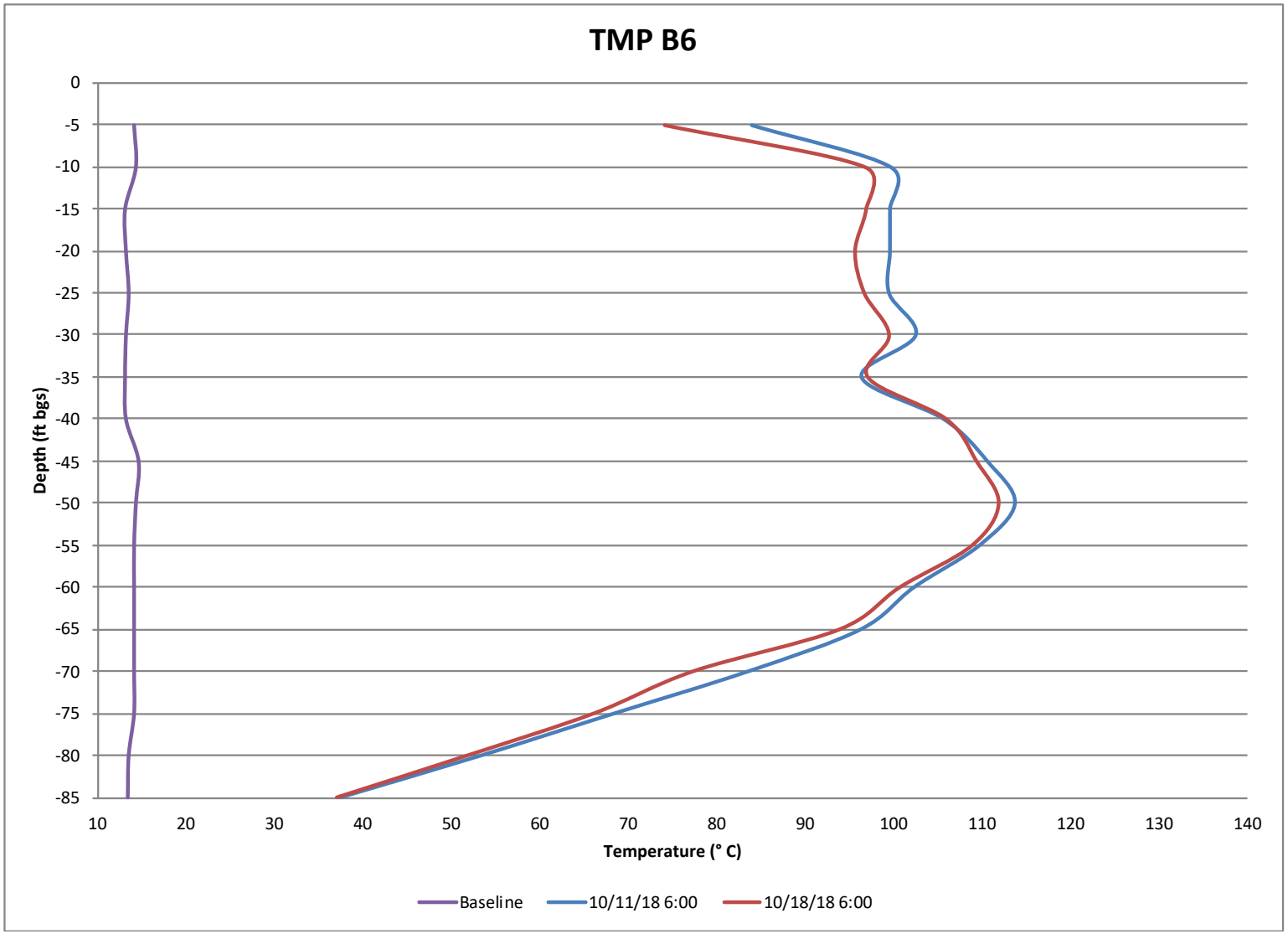


Figure 3a. TMP-B6 Temperature vs. Depth

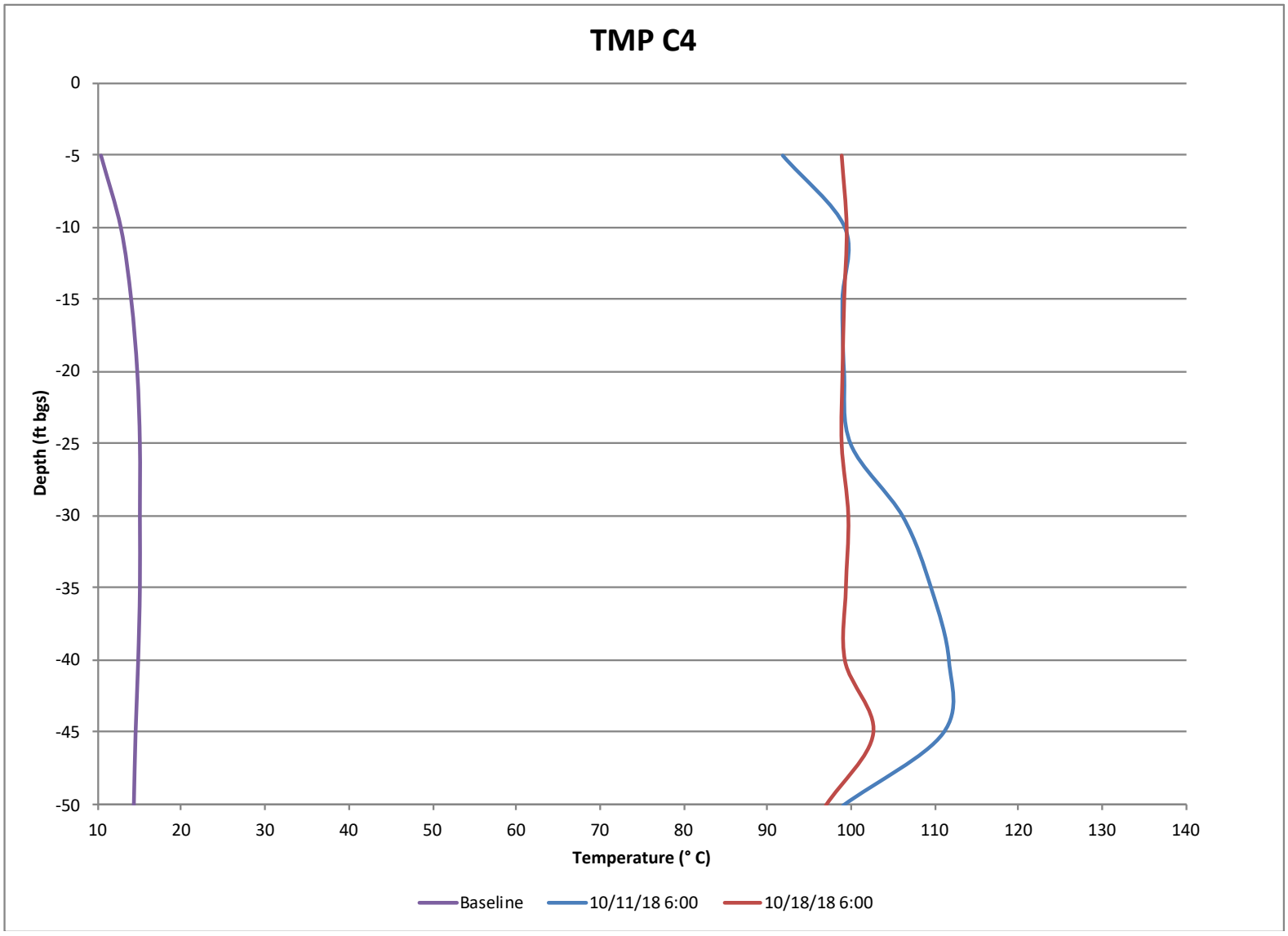


Figure 3b. TMP-C4 Temperature vs. Depth

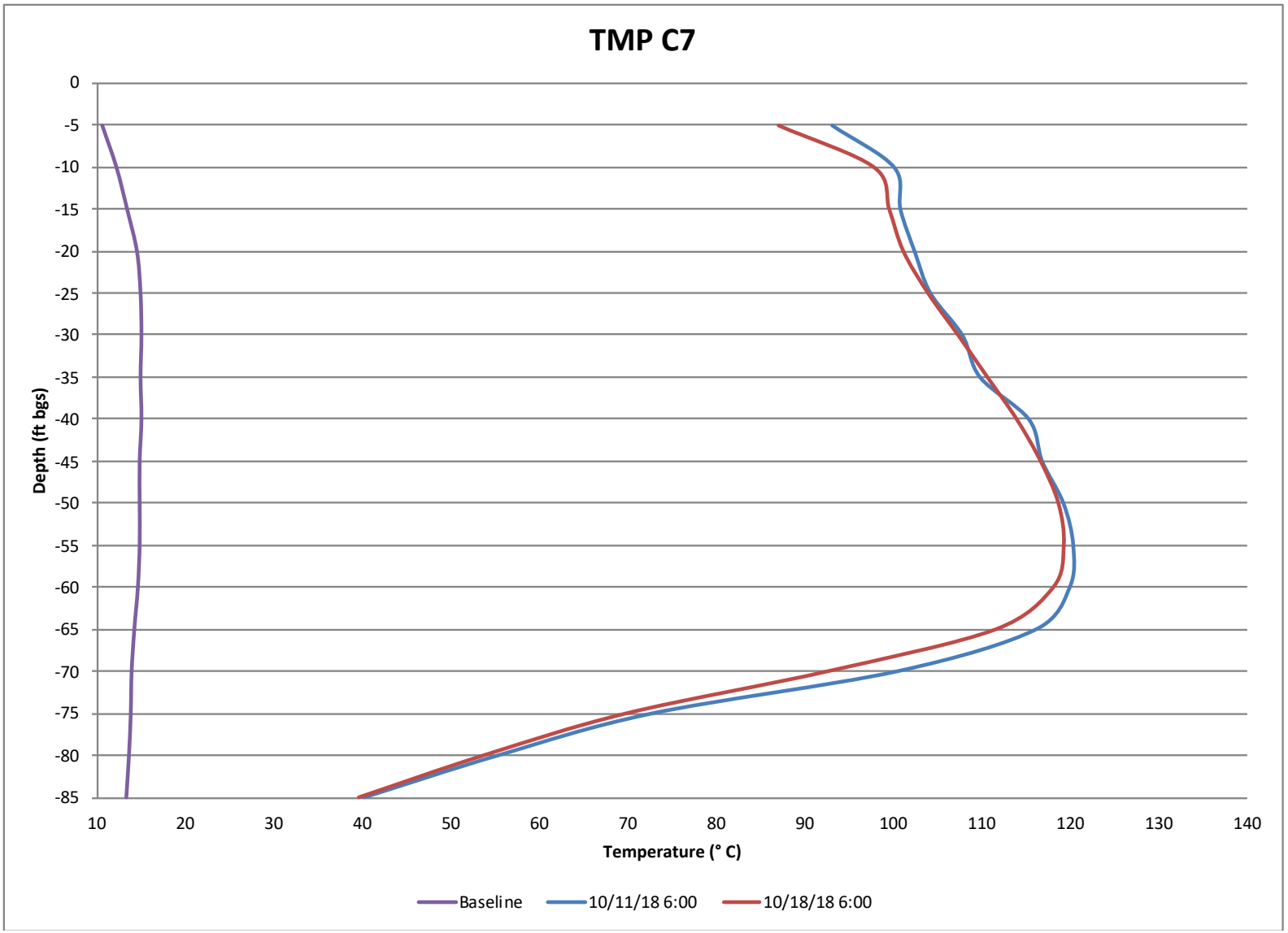


Figure 3b. TMP-C7 Temperature vs. Depth

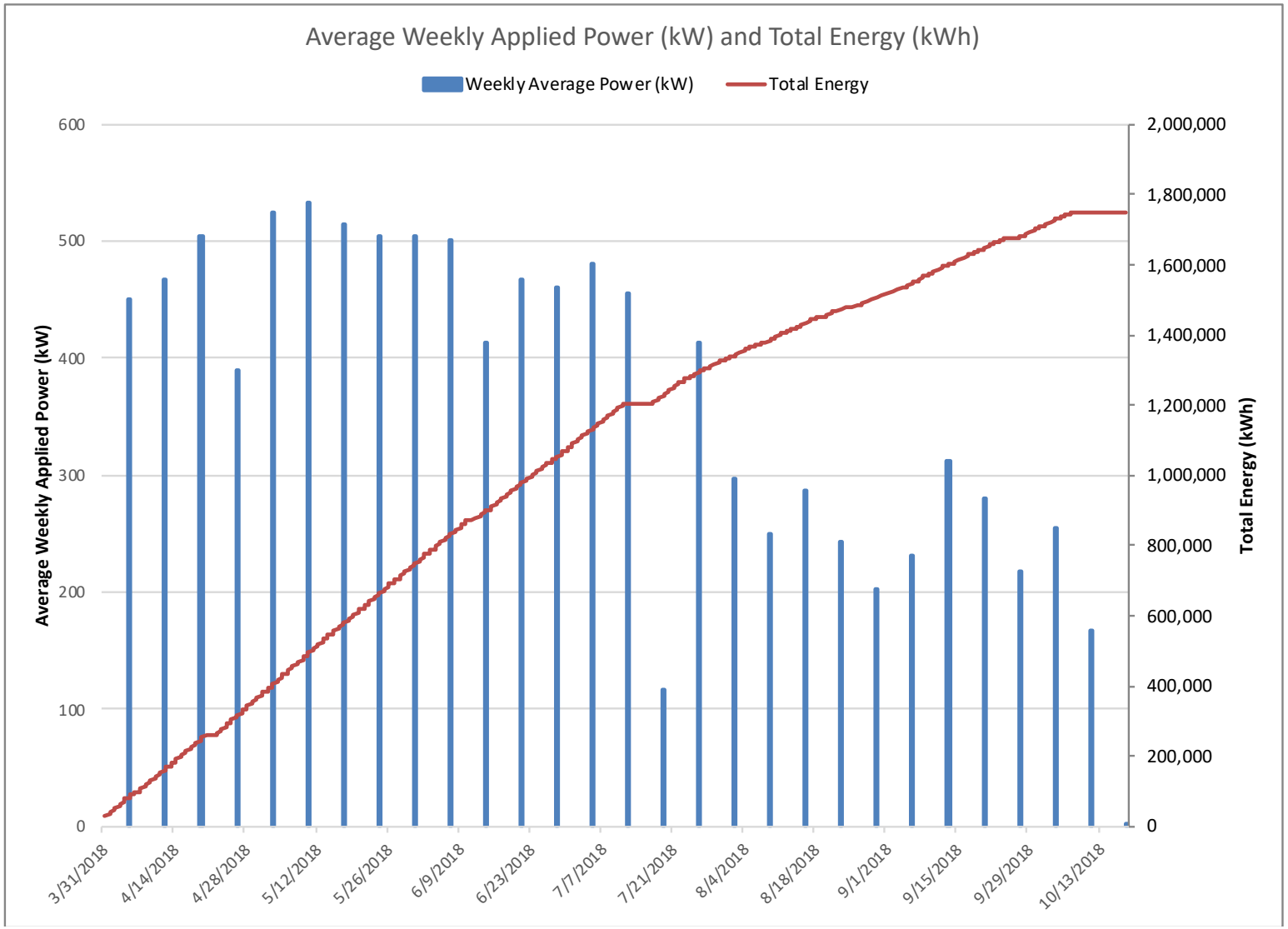


Figure 4. Average Daily Applied Power and Total Energy

November 26, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period October 18 – October 25, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending October 25, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time and ERH application was ceased on October 8, 2018, at 4:36 AM.

ERH System Parameter	October 18, 2018	October 25, 2018
Average Power (kW)	0	0
Cumulative Energy Applied (kWh)	1,750,245	1,750,245
Average Site Subsurface Temperature (°C)	94.9	93.5
Average Condensate Production Rate (gpm)	0.10	0.03
Total Condensate Production (gallons)	192,184	192,445

TRS Group, Inc. (TRS) personnel were not on-site during the reporting period. Vapor recovery (VR) system operation was interrupted on October 22, 2018, when the water supply line was locked out at the service meter.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 93.5 degrees Celsius (°C). The site is cooling slowly, at an average rate of 0.2°C per day (79.5°C above the baseline subsurface temperature data collected prior to start-up). The highest individual temperature measurement from within the treatment volume was 117.8°C, recorded at temperature monitoring point (TMP) C7, at depths of 50 and 55 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

As stated previously, ERH application was ceased on October 8, 2018, when 100 percent of the total 1,750,000 kilowatt-hours (kWh) design energy was reached. Energy use is now for the vapor recovery blower and ancillary equipment only. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

Operational data was collected during the reporting period and the vapor stream flow rate was approximately 300 standard cubic feet per minute (scfm). The VR system was down for less than 24 hours due to the water supply shut-off causing an alarm condition. As the vapor stream is now much cooler that it was during ERH operation, TRS personnel were able to modify the system to restore VR without the use of make-up water.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 15.2 pounds of volatile organic compound (VOC) mass was removed from the subsurface at the time ERH application ceased.

Total condensate production is approximately 192,445 gallons and the production rate averaged 0.03 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are not scheduled to be on-site during the next reporting period. TRS Group will continue to operate the VR system.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

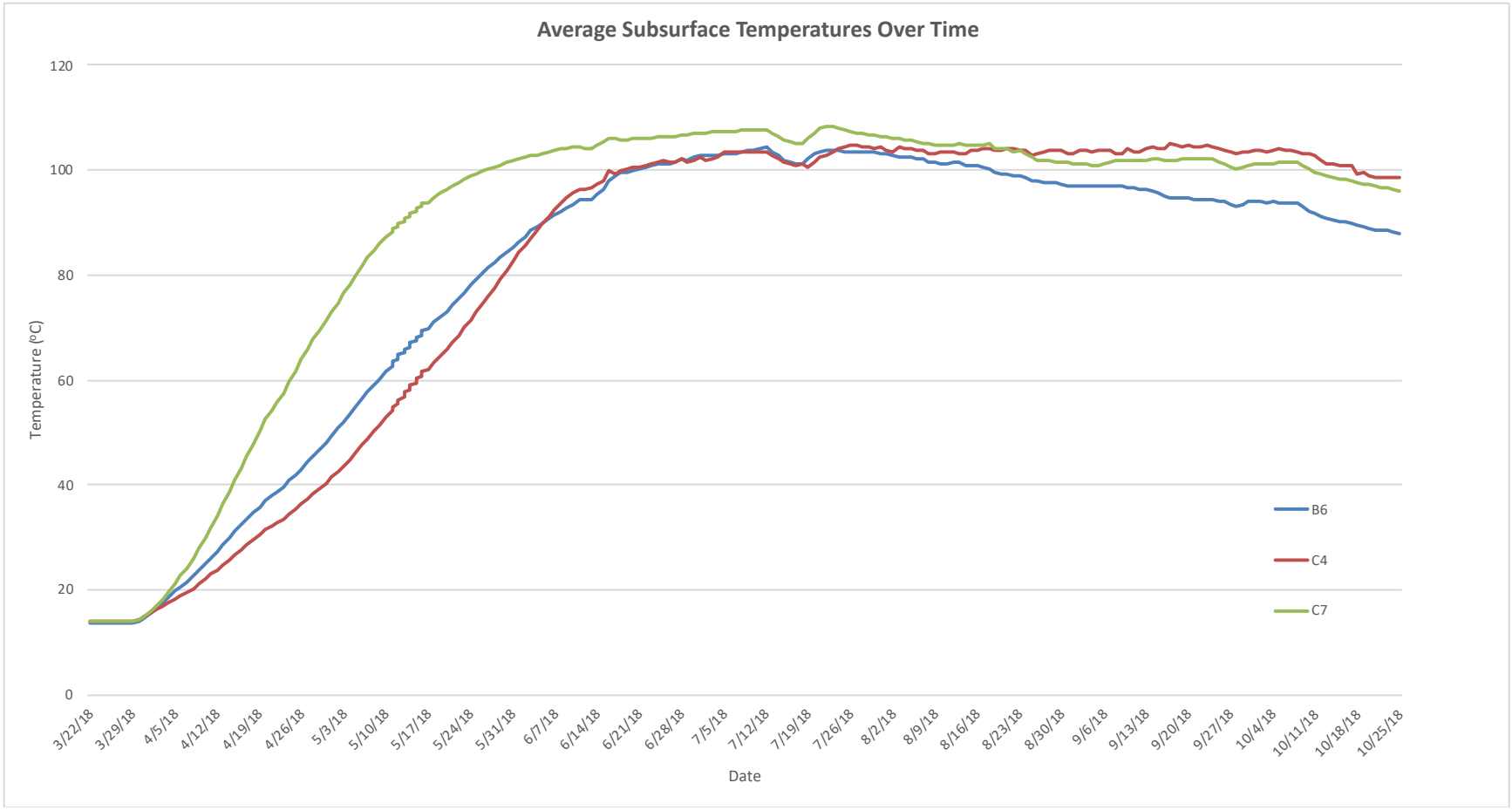


Figure 2. Average Site Subsurface Temperature vs. Time

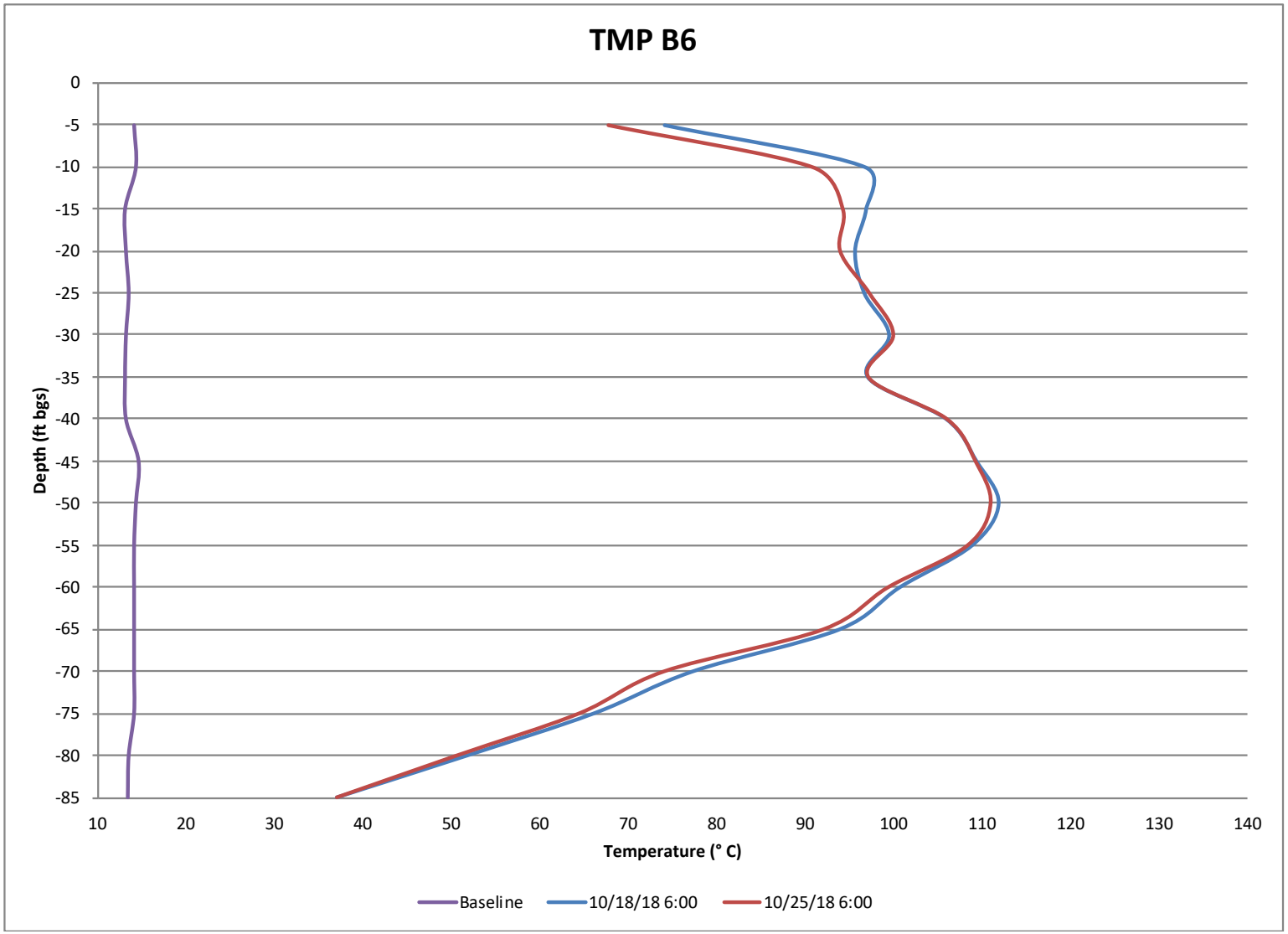


Figure 3a. TMP-B6 Temperature vs. Depth

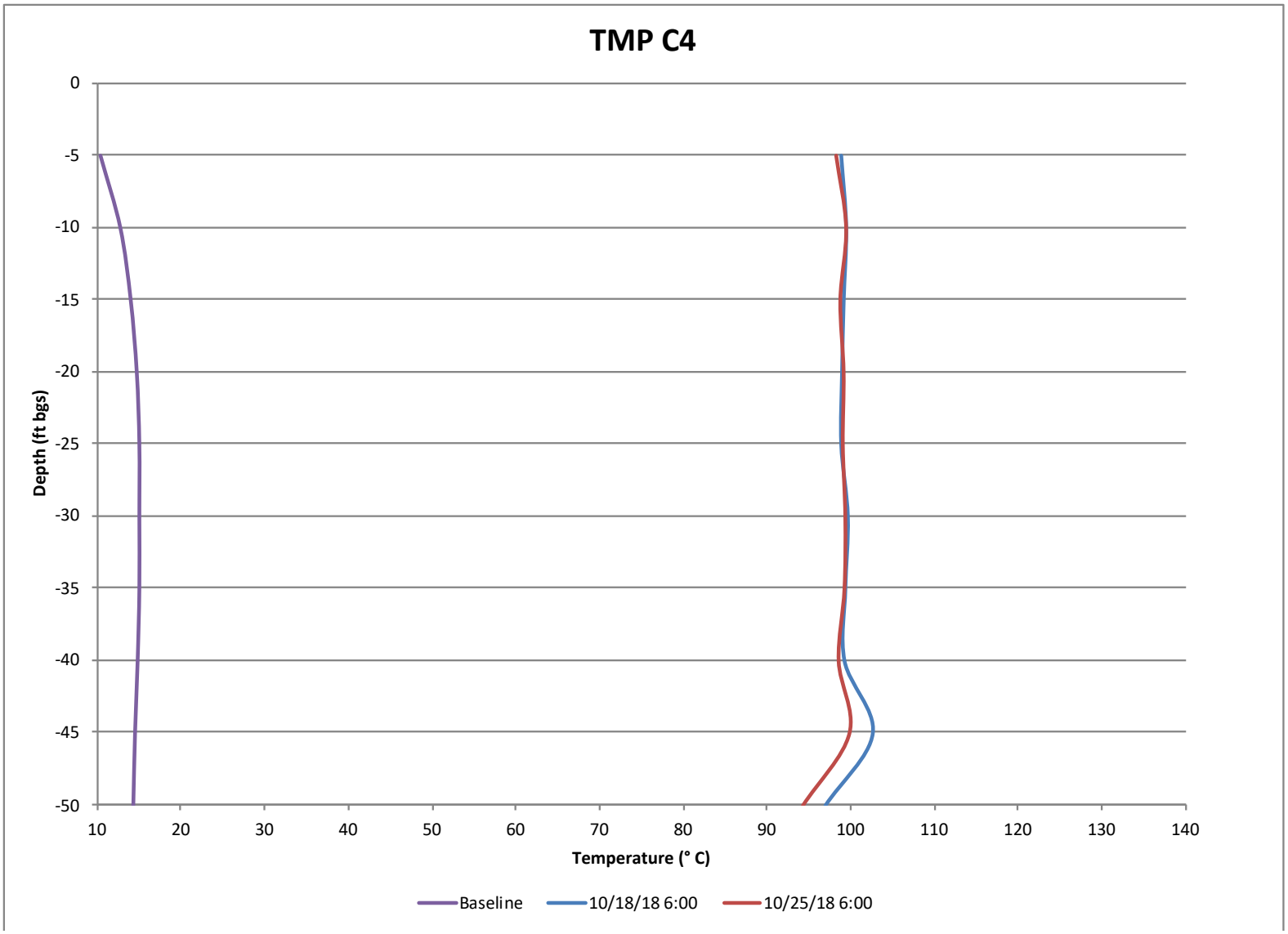


Figure 3b. TMP-C4 Temperature vs. Depth

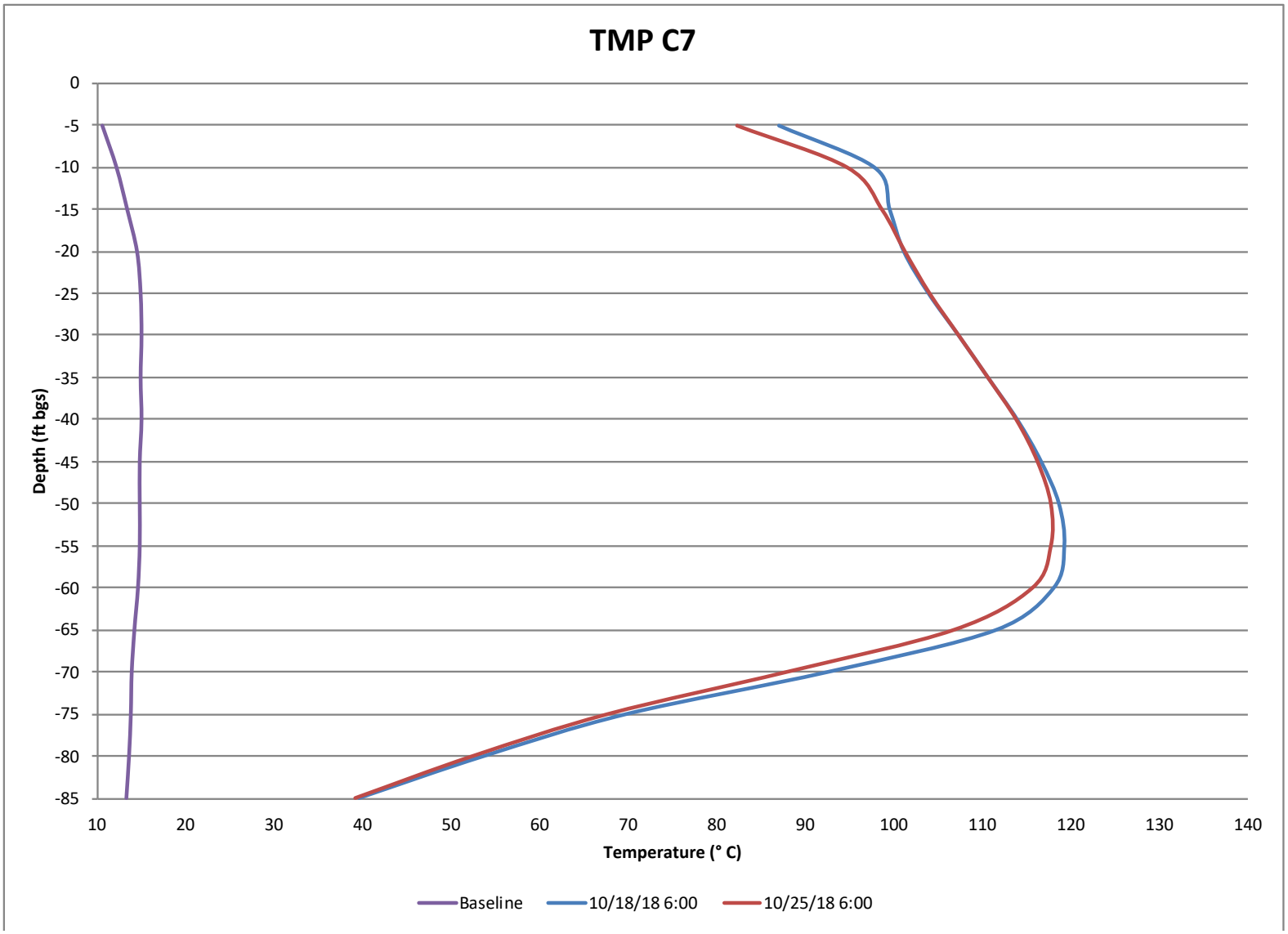


Figure 3b. TMP-C7 Temperature vs. Depth

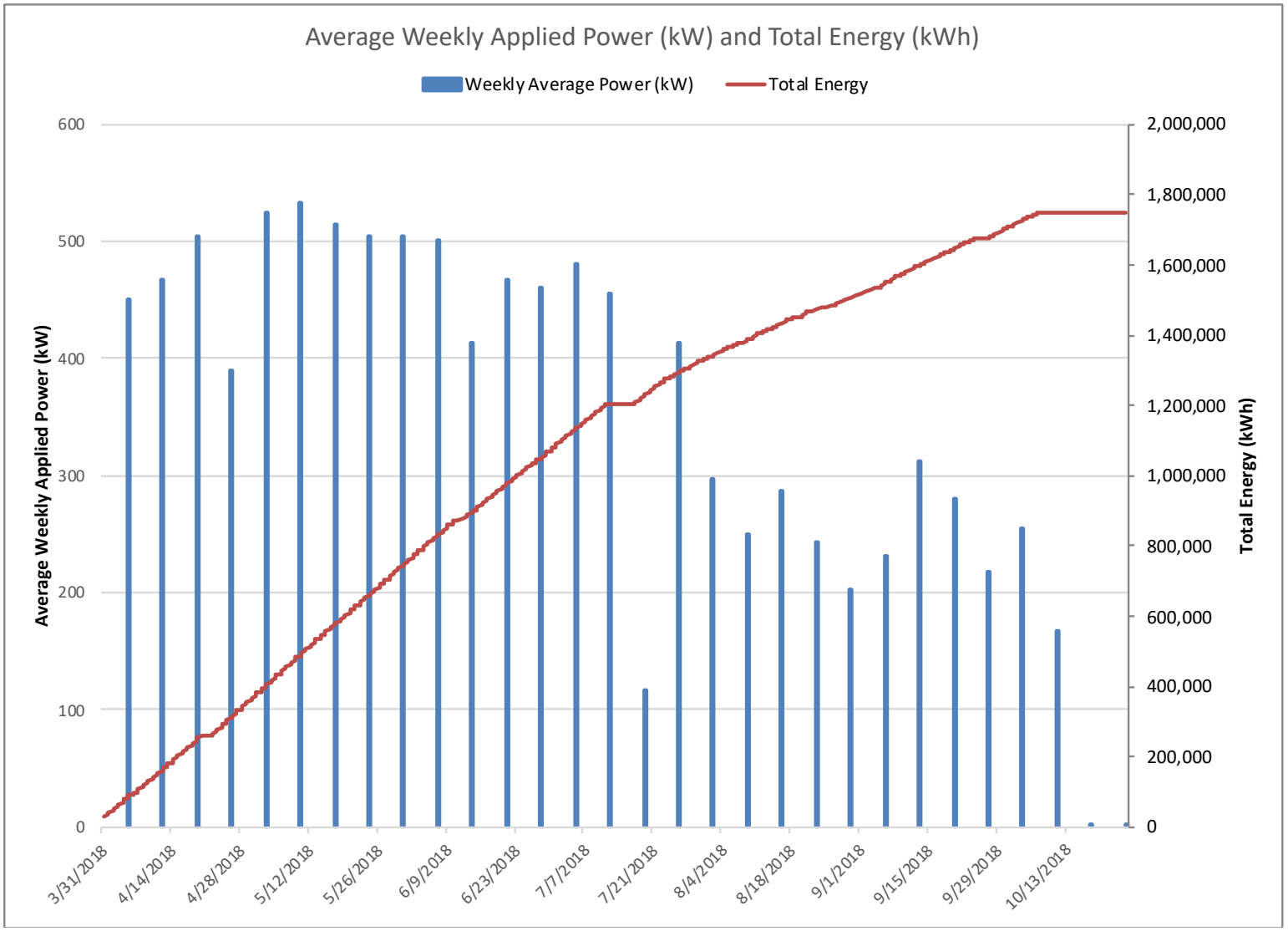


Figure 4. Average Daily Applied Power and Total Energy

November 26, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period October 25 – November 1, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending November 1, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time and ERH application was ceased on October 8, 2018, at 4:36 AM.

ERH System Parameter	October 25, 2018	November 1, 2018
Average Power (kW)	0	0
Cumulative Energy Applied (kWh)	1,750,245	1,750,245
Average Site Subsurface Temperature (°C)	93.5	92.0
Average Condensate Production Rate (gpm)	0.03	0.02
Total Condensate Production (gallons)	192,445	192,653

TRS Group, Inc. (TRS) personnel were not on-site during the reporting period. The vapor recovery (VR) system continues to operate without interruption.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 92.0 degrees Celsius (°C). The site continues to cool slowly, at an average rate of 0.2°C per day (still 78.0°C above the baseline subsurface temperature data collected prior to start-up). The highest individual temperature measurement from within the treatment volume was 116.8°C, recorded at temperature monitoring point (TMP) C7, at a depth of 50 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

As stated previously, ERH application was ceased on October 8, 2018, when 100 percent of the total 1,750,000 kilowatt-hours (kWh) design energy was reached. Energy use is now for the VR blower and ancillary equipment only. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

Operational data was not collected during the reporting period. During the prior reporting period the vapor stream flow rate was approximately 300 standard cubic feet per minute (scfm). Uptime for the week was 100 percent.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 15.2 pounds of volatile organic compound (VOC) mass was removed from the subsurface at the time ERH application ceased.

Total condensate production is approximately 192,653 gallons and the production rate averaged 0.02 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site during the next reporting period. TRS Group will continue to operate the VR system.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

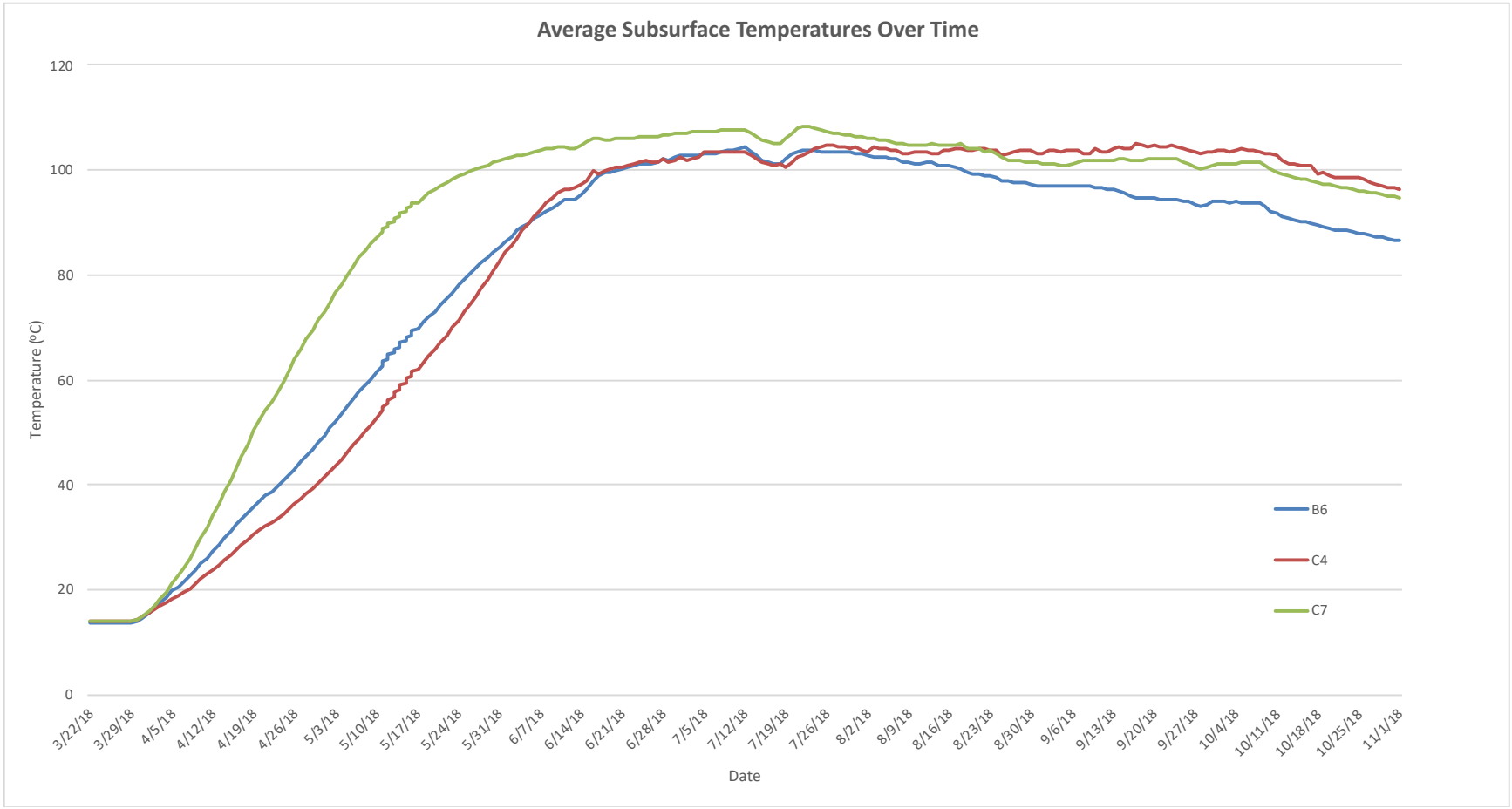


Figure 2. Average Site Subsurface Temperature vs. Time

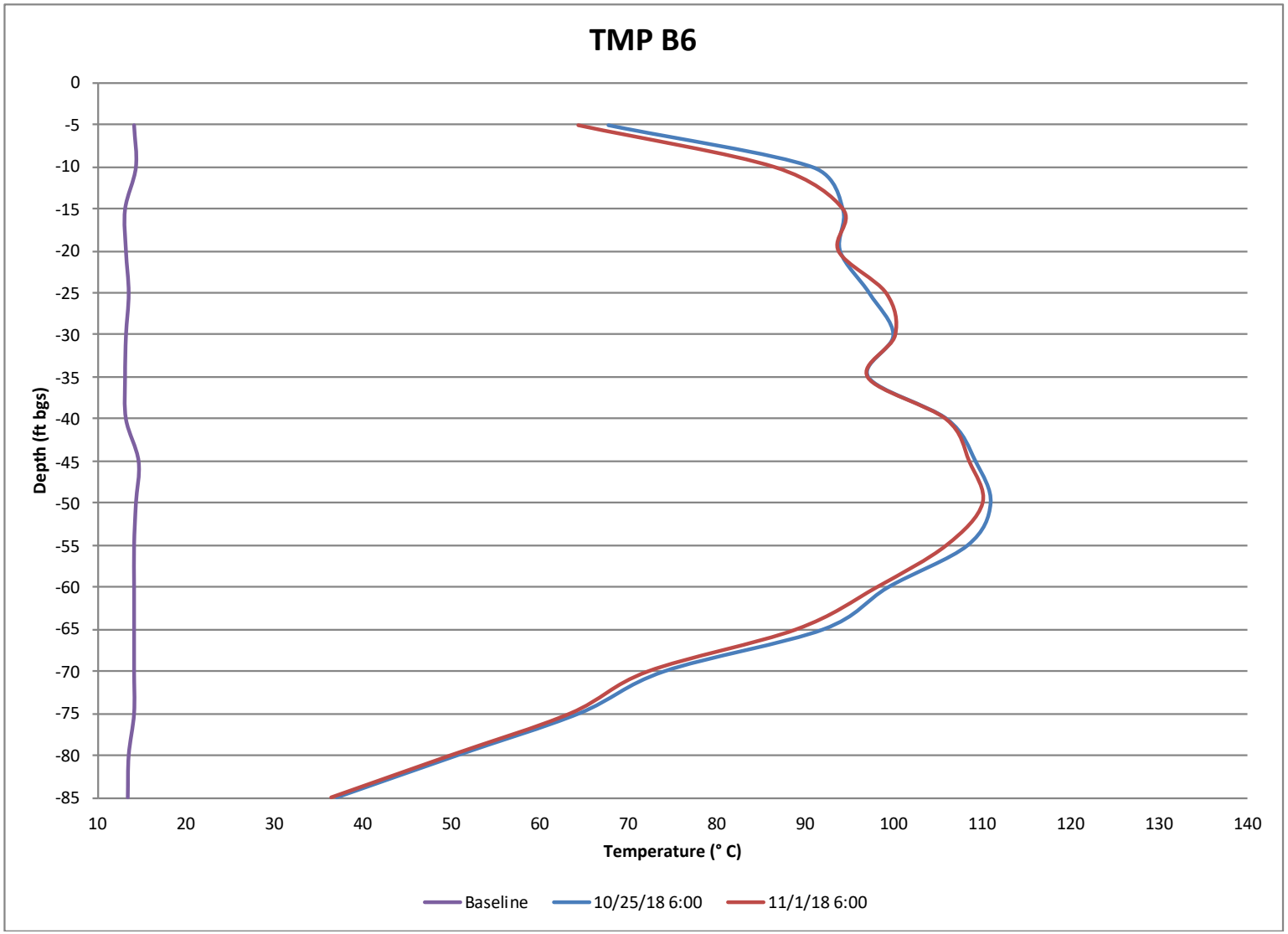


Figure 3a. TMP-B6 Temperature vs. Depth

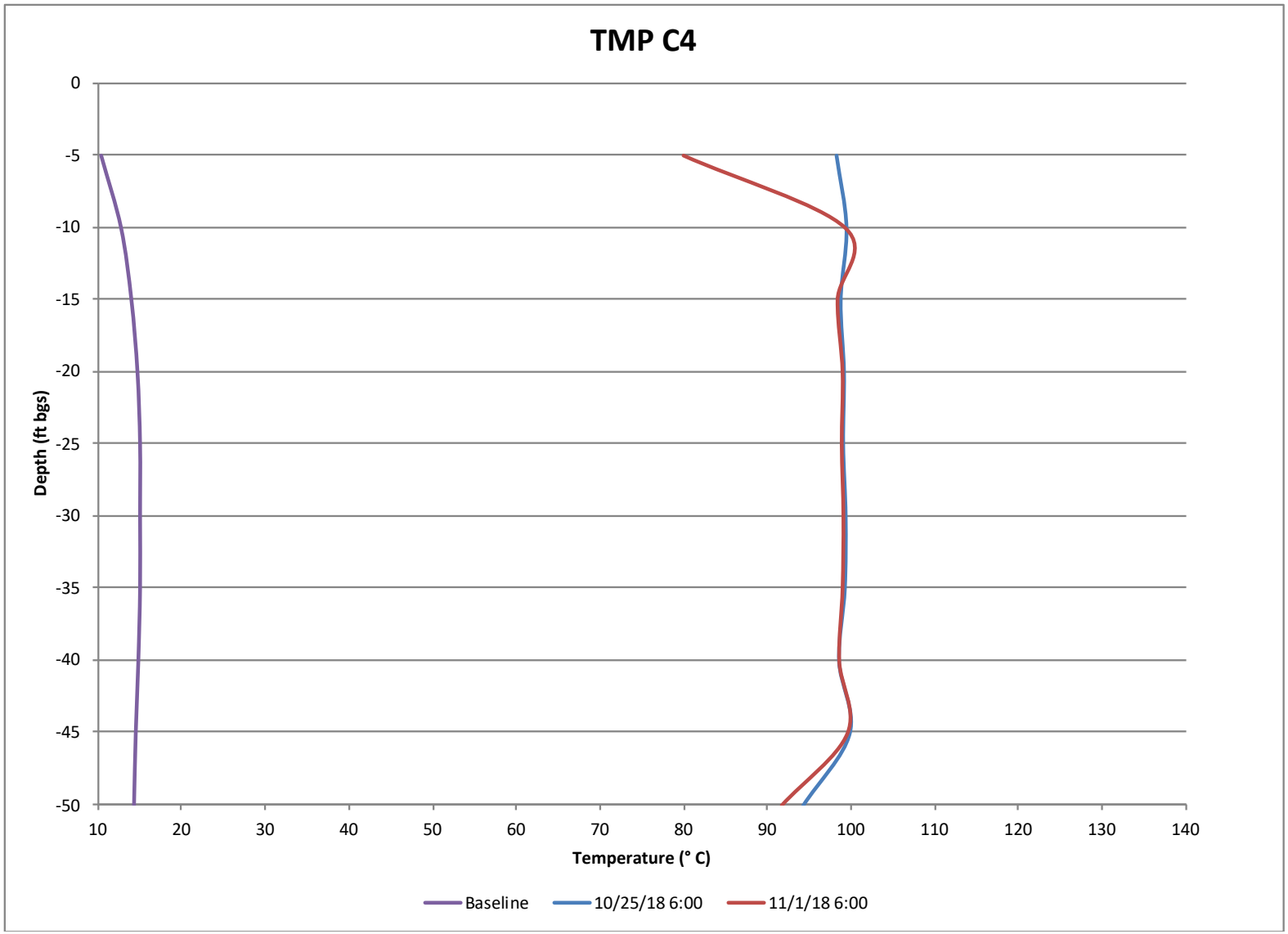


Figure 3b. TMP-C4 Temperature vs. Depth

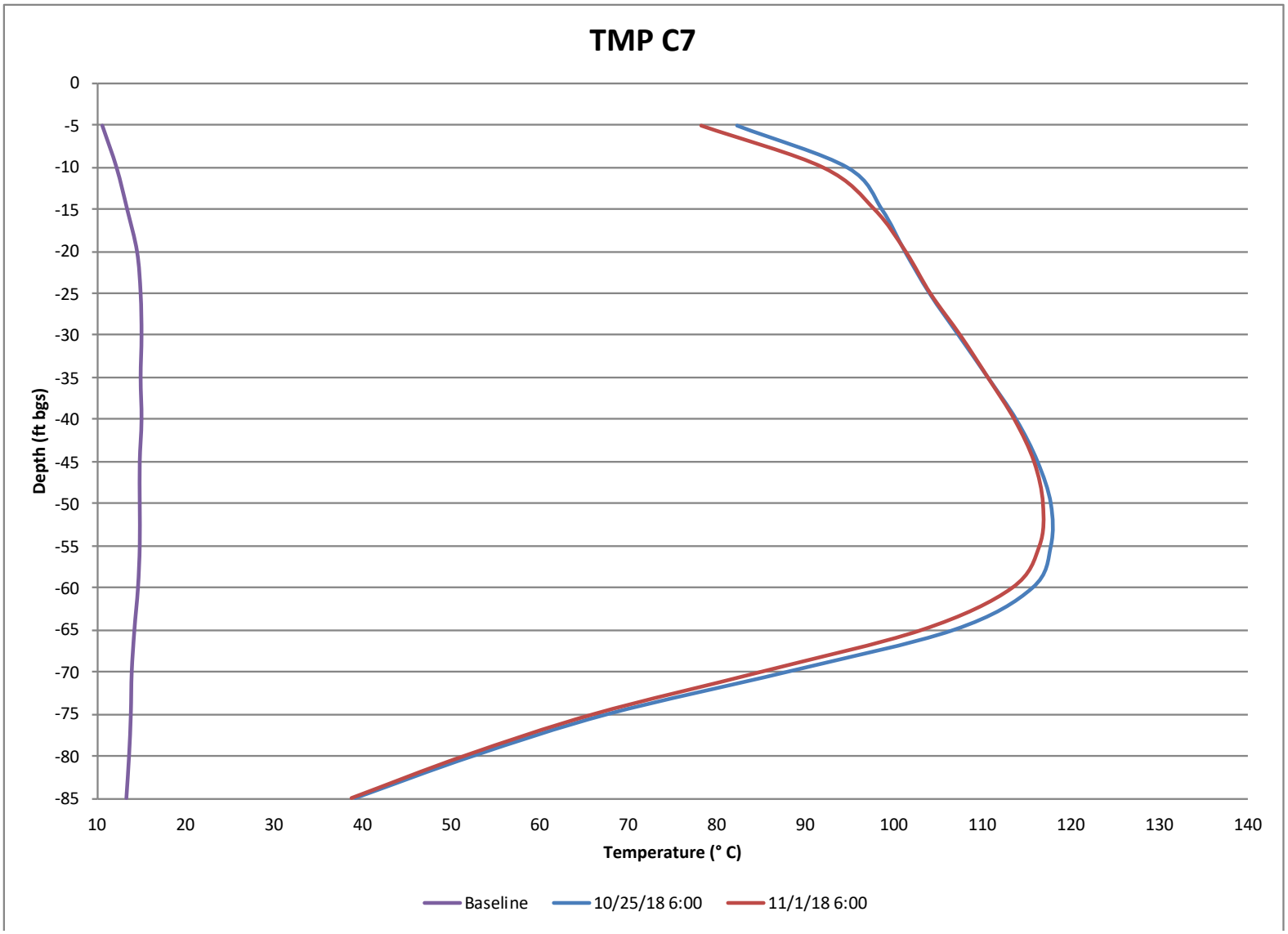


Figure 3b. TMP-C7 Temperature vs. Depth

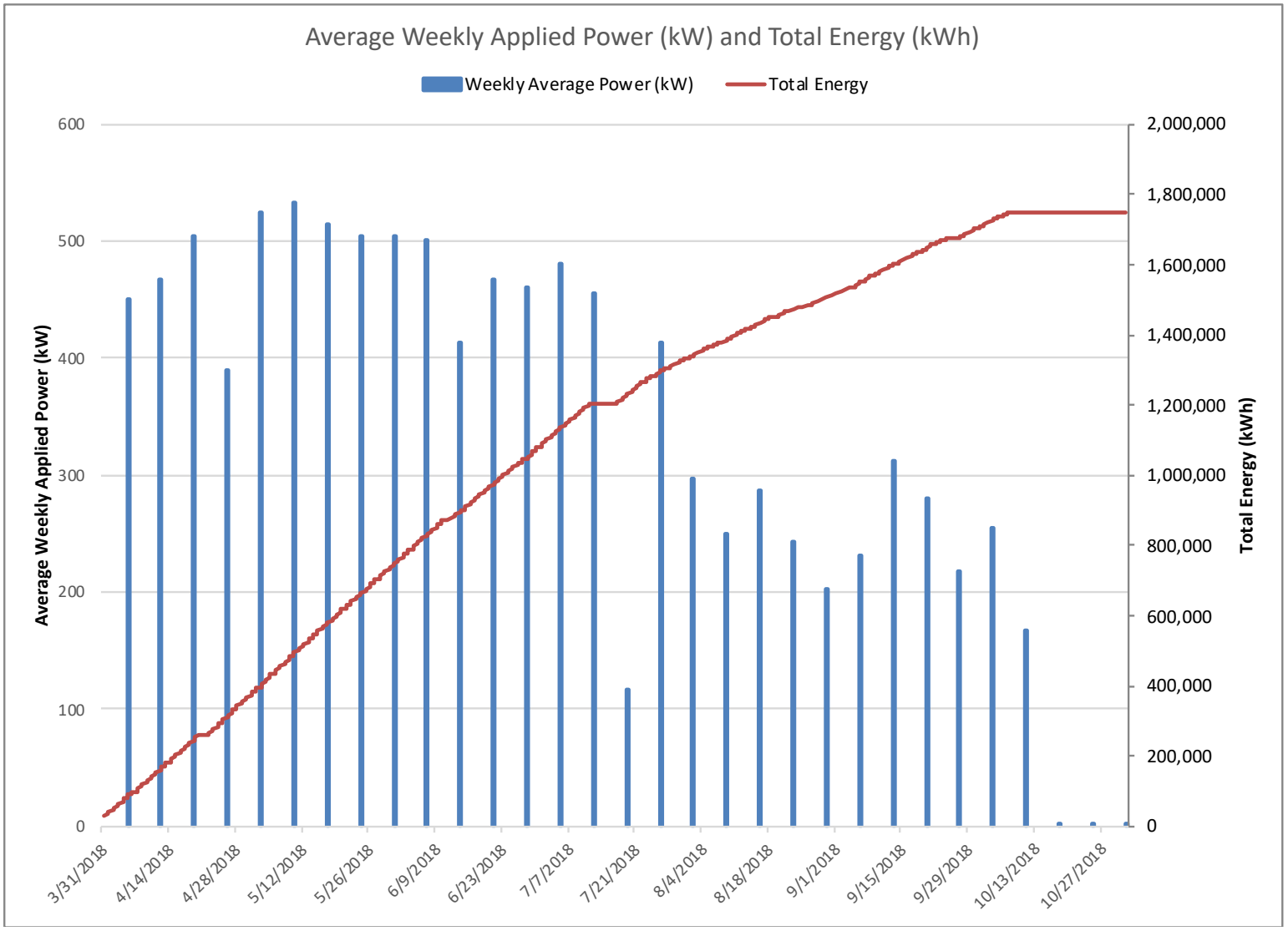


Figure 4. Average Daily Applied Power and Total Energy

November 26, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period November 1 – November 8, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending November 8, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time and ERH application was ceased on October 8, 2018, at 4:36 AM.

ERH System Parameter	November 1, 2018	November 8, 2018
Average Power (kW)	0	0
Cumulative Energy Applied (kWh)	1,750,245	1,750,245
Average Site Subsurface Temperature (°C)	92.0	90.6
Average Condensate Production Rate (gpm)	0.02	0.02
Total Condensate Production (gallons)	192,653	192,837

TRS Group, Inc. (TRS) personnel were on-site during the reporting period including Staff Engineer James Erario to support Pacific Crest's groundwater sampling effort on November 8, 2018. The vapor recovery system continues to operate without interruption.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 90.6 degrees Celsius (°C). The site continues to cool slowly, at an average rate of 0.2°C per day (still 76.6°C above the baseline subsurface temperature data collected prior to start-up). The highest individual temperature measurement from within the treatment volume was 115.6°C, recorded at temperature monitoring point (TMP) C7, at a depth of 50 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

As stated previously, ERH application was ceased on October 8, 2018 when 100 percent of the total 1,750,000 kilowatt-hours (kWh) design energy was reached. Energy use is now for the vapor recovery blower and ancillary equipment only. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

Operational data collected during the reporting period indicate a vapor stream flow rate of approximately 315 standard cubic feet per minute (scfm). Uptime for the week was 100 percent.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 15.2 pounds of volatile organic compound (VOC) mass was removed from the subsurface at the time ERH application ceased.

Total condensate production is approximately 192,837 gallons and the production rate averaged 0.02 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are not scheduled to be on-site during the next reporting period. TRS Group will continue to operate the vapor recovery system pending groundwater sampling results.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

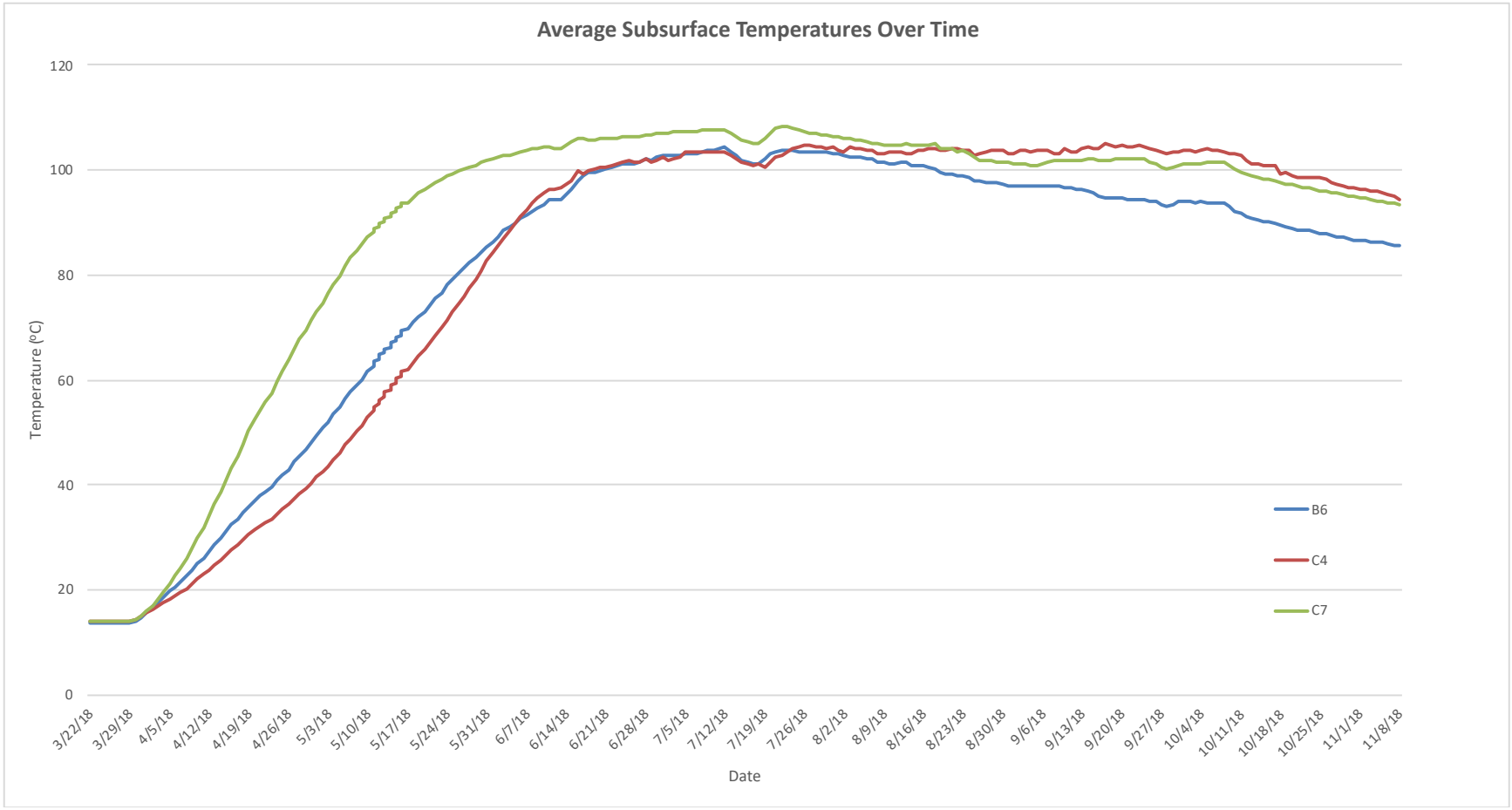


Figure 2. Average Site Subsurface Temperature vs. Time

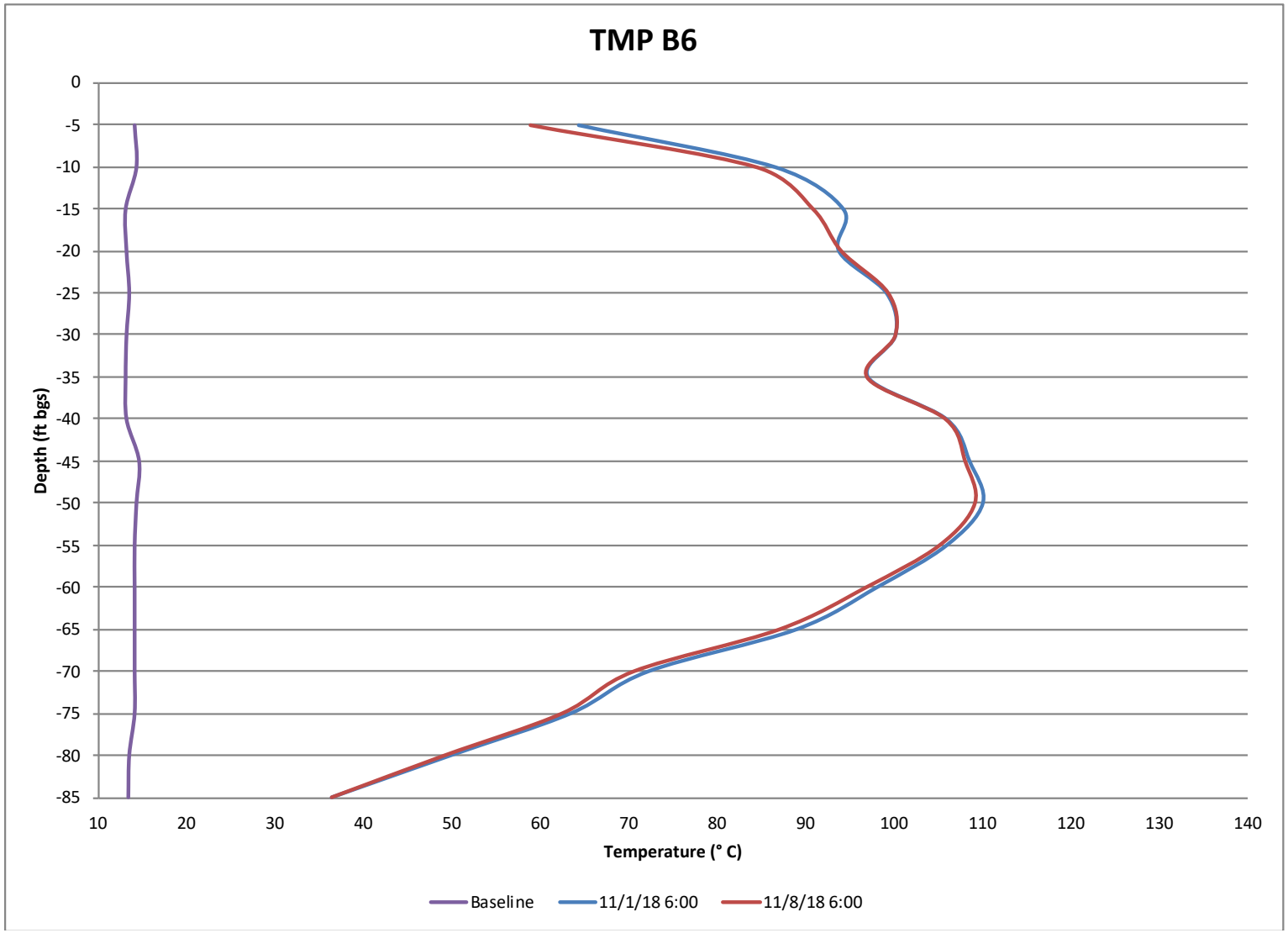


Figure 3a. TMP-B6 Temperature vs. Depth

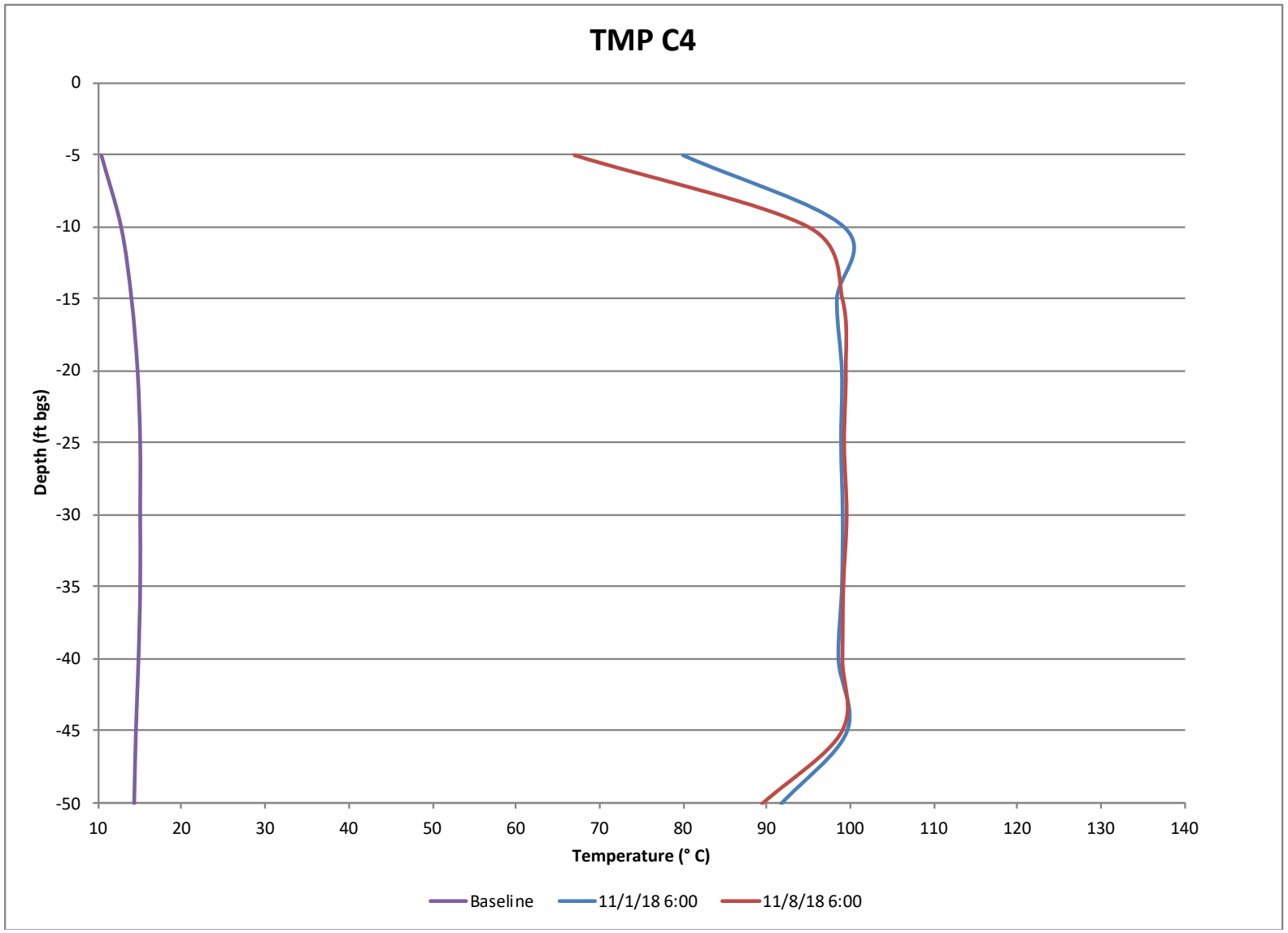


Figure 3b. TMP-C4 Temperature vs. Depth

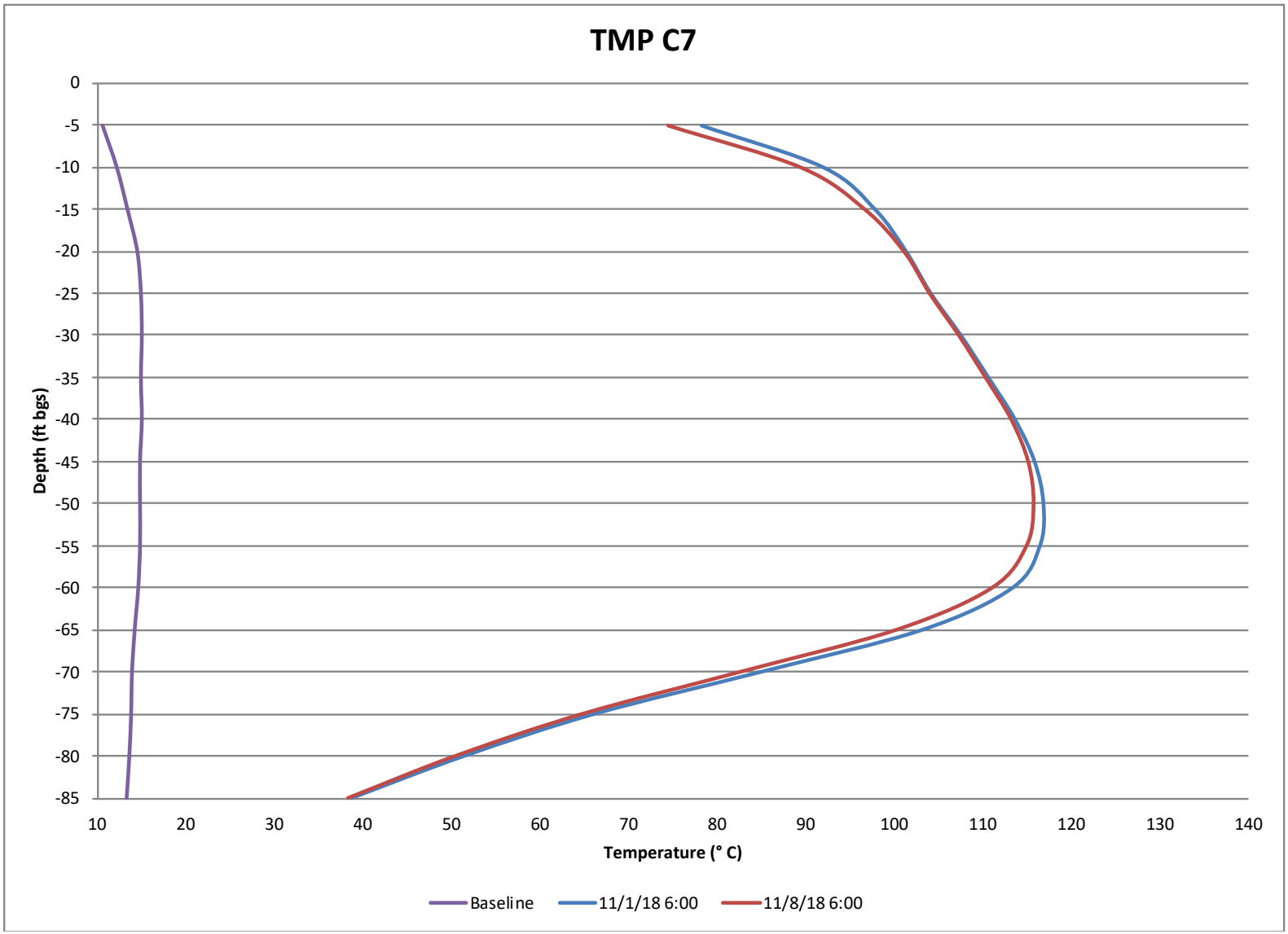


Figure 3b. TMP-C7 Temperature vs. Depth

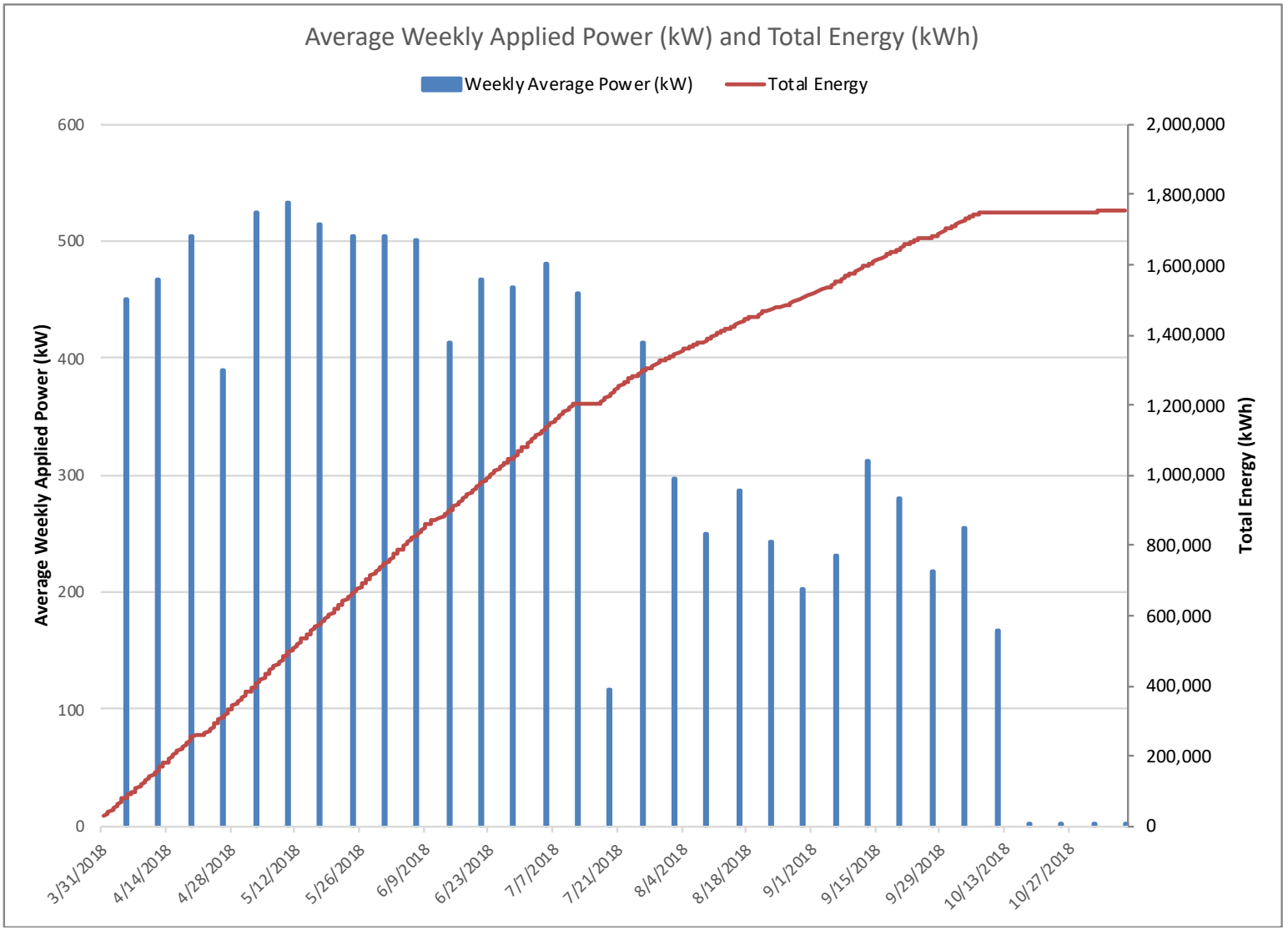


Figure 4. Average Daily Applied Power and Total Energy

November 26, 2018 *Delivered via email*

Foster Pepper PLLC
Jack Zahner
1111 Third Avenue, Suite 3000
Seattle, WA 98101
jack.zahner@foster.com

Subject: **ERH System Status Report**
Former Penthouse Drapery, 1752 Rainier Avenue S, Seattle, Washington
For the Reporting Period November 8 – November 15, 2018

Dear Jack:

This status report provides a summary of Electrical Resistance Heating (ERH) related activities for the operations week ending November 15, 2018, including ERH field activities, ERH system status, and upcoming work. A site map is included as **Figure 1** for reference.

ERH System Operations

The key ERH system operational parameters for the reporting period are presented below. System operations began on Thursday March 29, 2018, at 2:34 PM local time and ERH application was ceased on October 8, 2018, at 4:36 AM.

ERH System Parameter	November 8, 2018	November 15, 2018
Average Power (kW)	0	0
Cumulative Energy Applied (kWh)	1,750,245	1,750,245
Average Site Subsurface Temperature (°C)	90.6	89.2
Average Condensate Production Rate (gpm)	0.020	0.016
Total Condensate Production (gallons)	192,837	193,001

TRS Group, Inc. (TRS) personnel were not on-site during the reporting period. The vapor recovery (VR) system continues to operate without interruption.

Analytical results for Pacific Crests groundwater sampling event of November 8, 2018, were received on November 14, 2018. Analytical results for tetrachloroethene (PCE) were below the 50 micrograms per liter (µg/L) cleanup objective in all monitoring wells except SCC-1 (outside the treatment area) and MW-33S (inside the treatment area). These results confirmed the hypothesis that the September 2018 groundwater sampling results were biased high by steam condensation and were not representative of groundwater conditions within the ERH treatment volume. Based on these data, Pacific Crest recommended no further application of ERH. Subsequent to our conference call of

November 20, 2018 ERH operations are deemed complete and site demobilization activity will begin. This will be the final weekly operations report and a Final Report will be submitted once demobilization is complete.

Temperatures

The average subsurface temperature in the ERH treatment volume at the end of the reporting period was 89.2 degrees Celsius (°C). The site continues to cool slowly, at an average rate of 0.2°C per day (still 75.2°C above the baseline subsurface temperature data collected prior to start-up). The highest individual temperature measurement from within the treatment volume was 114.4°C, recorded at temperature monitoring point (TMP) C7, at a depth of 50 feet below ground surface (ft bgs).

Figure 2 presents a graph of the site average subsurface temperature over time. **Figures 3a** through **3c** present temperatures relative to depth for each TMP.

Power and Energy

As stated previously, ERH application was ceased on October 8, 2018, when 100 percent of the total 1,750,000 kilowatt-hours (kWh) design energy was reached. Energy use is now for the VR blower and ancillary equipment only. **Figure 4** presents the average weekly applied power and total energy since start-up.

ERH Vapor Recovery

Operational data was not collected during the reporting period. The vapor stream flow rate at the end of the prior weekly reporting period was approximately 315 standard cubic feet per minute (scfm). Uptime for the week was 100 percent.

Based on photoionization detector (PID) readings and monthly vapor sampling by Pacific Crest, TRS estimates that approximately 15.2 pounds of volatile organic compound (VOC) mass was removed from the subsurface at the time ERH application ceased.

Total condensate production is approximately 193,001 gallons and the production rate averaged 0.016 gallons per minute (gpm). These numbers do not include approximately 1,250 gallons of drilling water that was pumped through the treatment system.

Recommendations and Planned Activities

TRS personnel are scheduled to be on-site on Monday November 19, 2018, to perform a system check. TRS Group will continue to operate the VR system through at least November 26, 2018, at which time TRS will begin conducting shut-off tests while monitoring the floor temperatures and vapor concentrations in the Seattle Collision Center.

This Weekly Status Report will be the final status report issued for the ERH system operation. A final report will be prepared once demobilization activities at the site are complete.

Should you have any questions concerning this report, or if you would like any additional information, please do not hesitate to contact me by phone at 208.870.5777, or by e-mail at jroot@thermalrs.com.

Sincerely,
TRS Group, Inc.

Jeffrey Root
Project Manager

cc: Bill Carroll, Pacific Crest Environmental
Steve Pistoll, TRS
Lynette Stauch, TRS

ATTACHMENTS

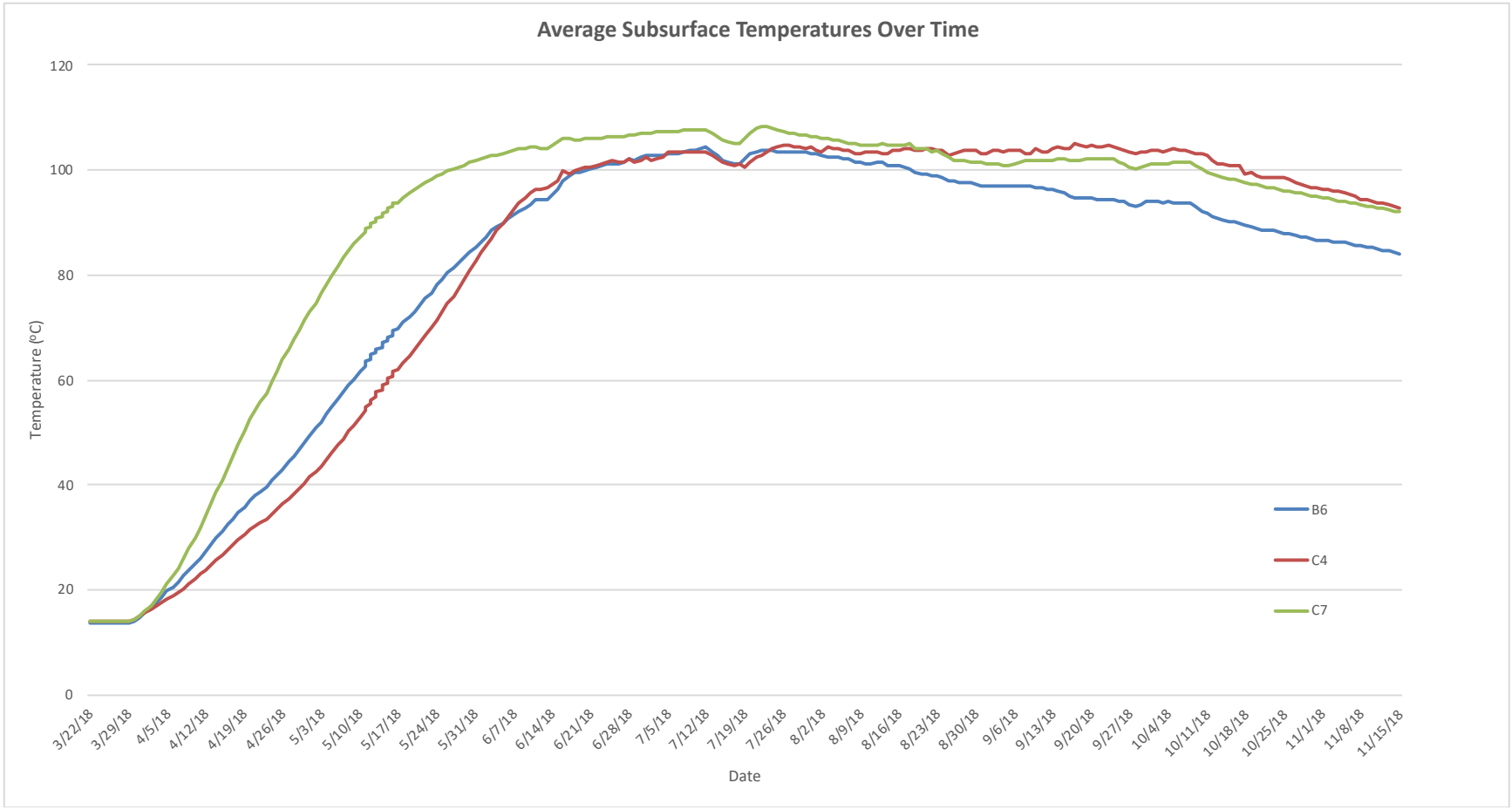


Figure 2. Average Site Subsurface Temperature vs. Time

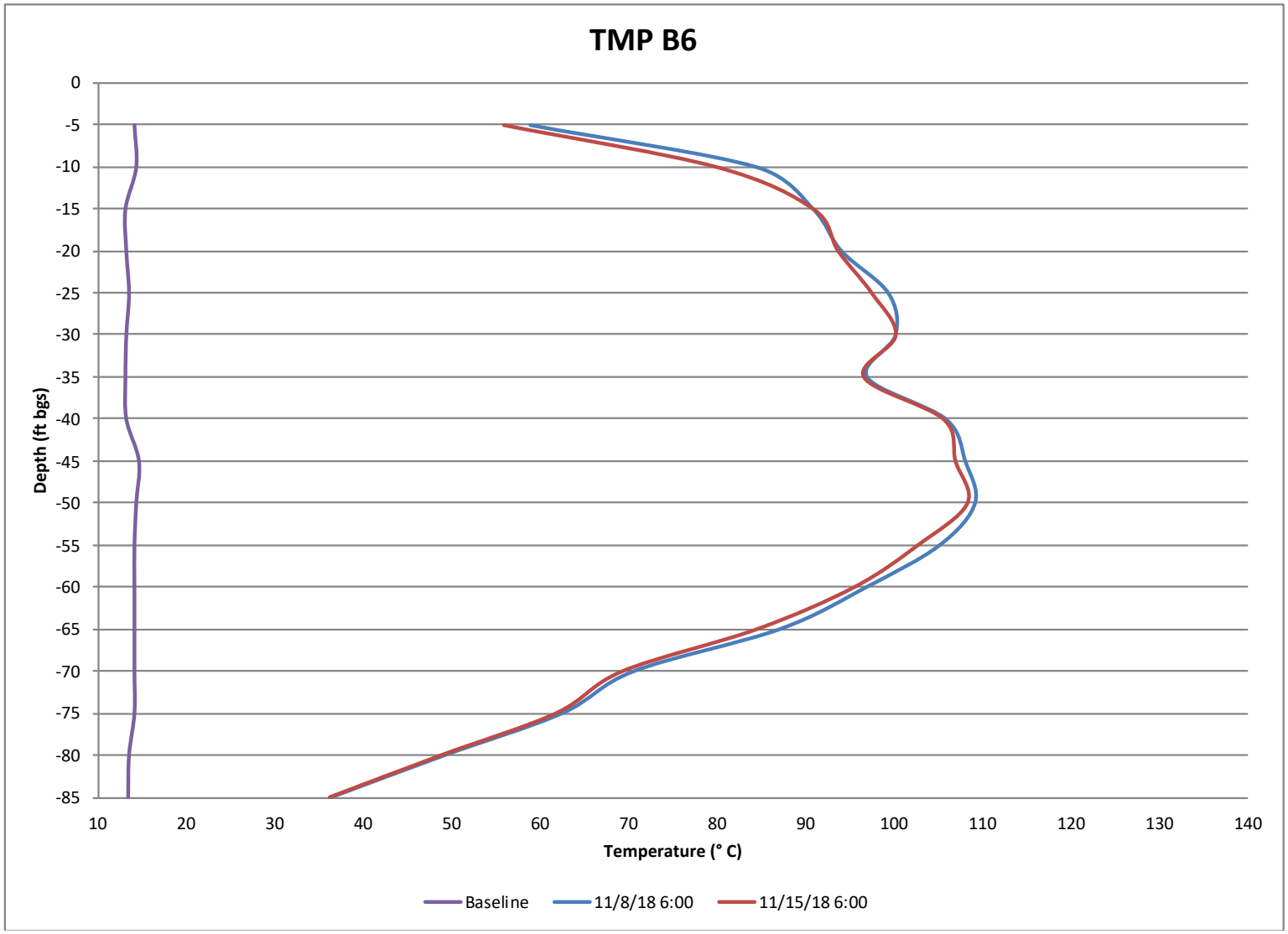


Figure 3a. TMP-B6 Temperature vs. Depth

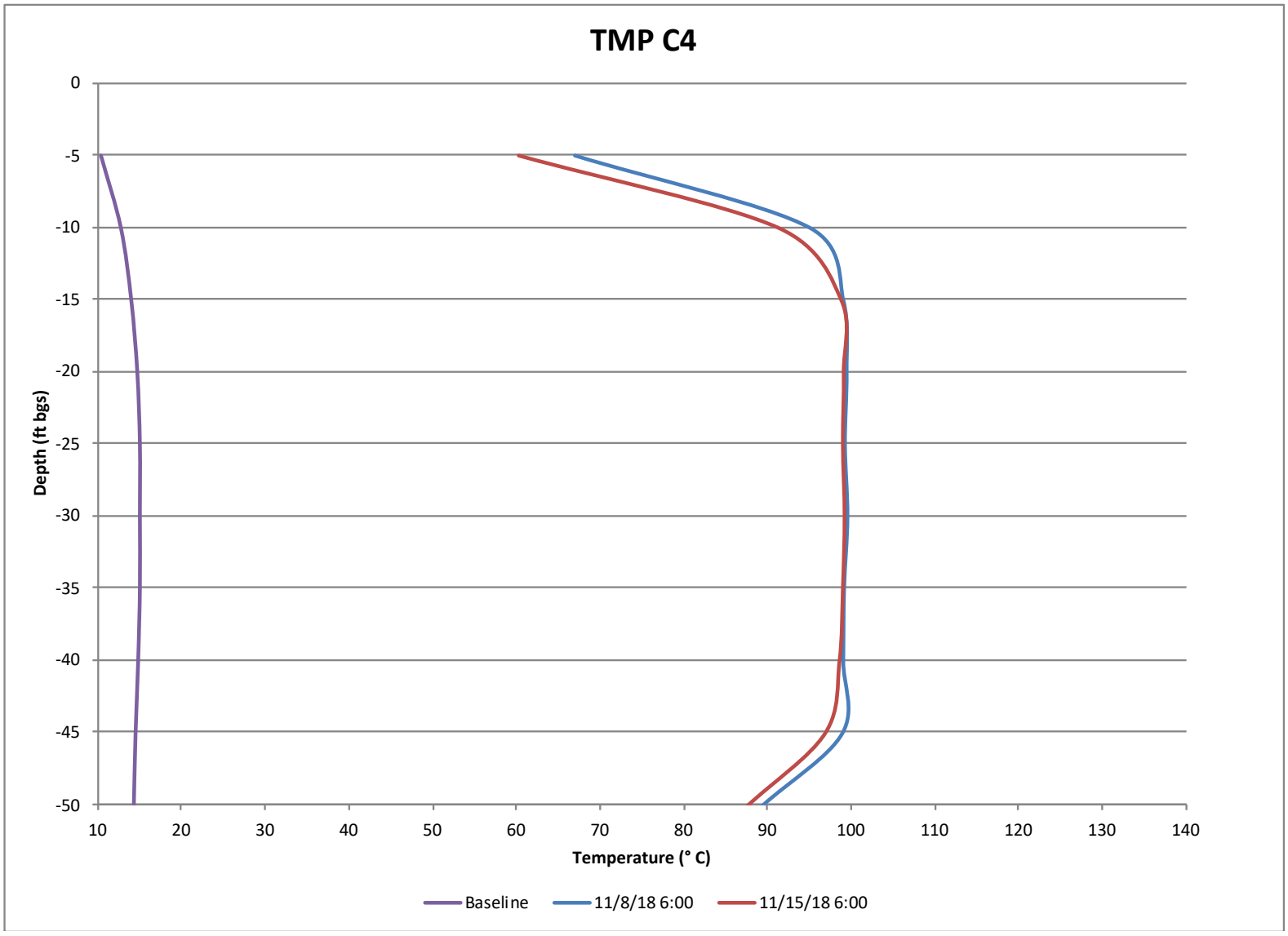


Figure 3b. TMP-C4 Temperature vs. Depth

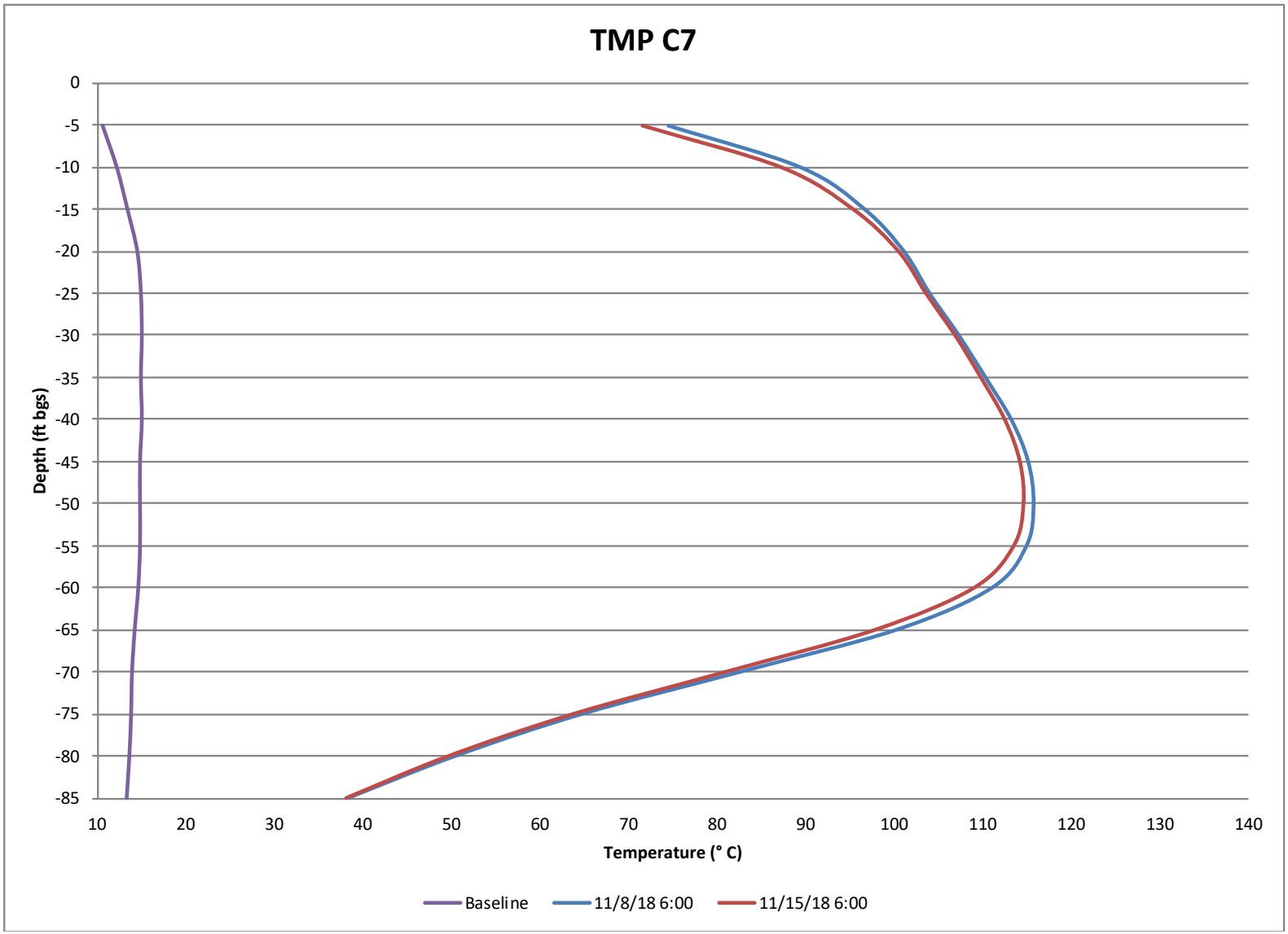


Figure 3b. TMP-C7 Temperature vs. Depth

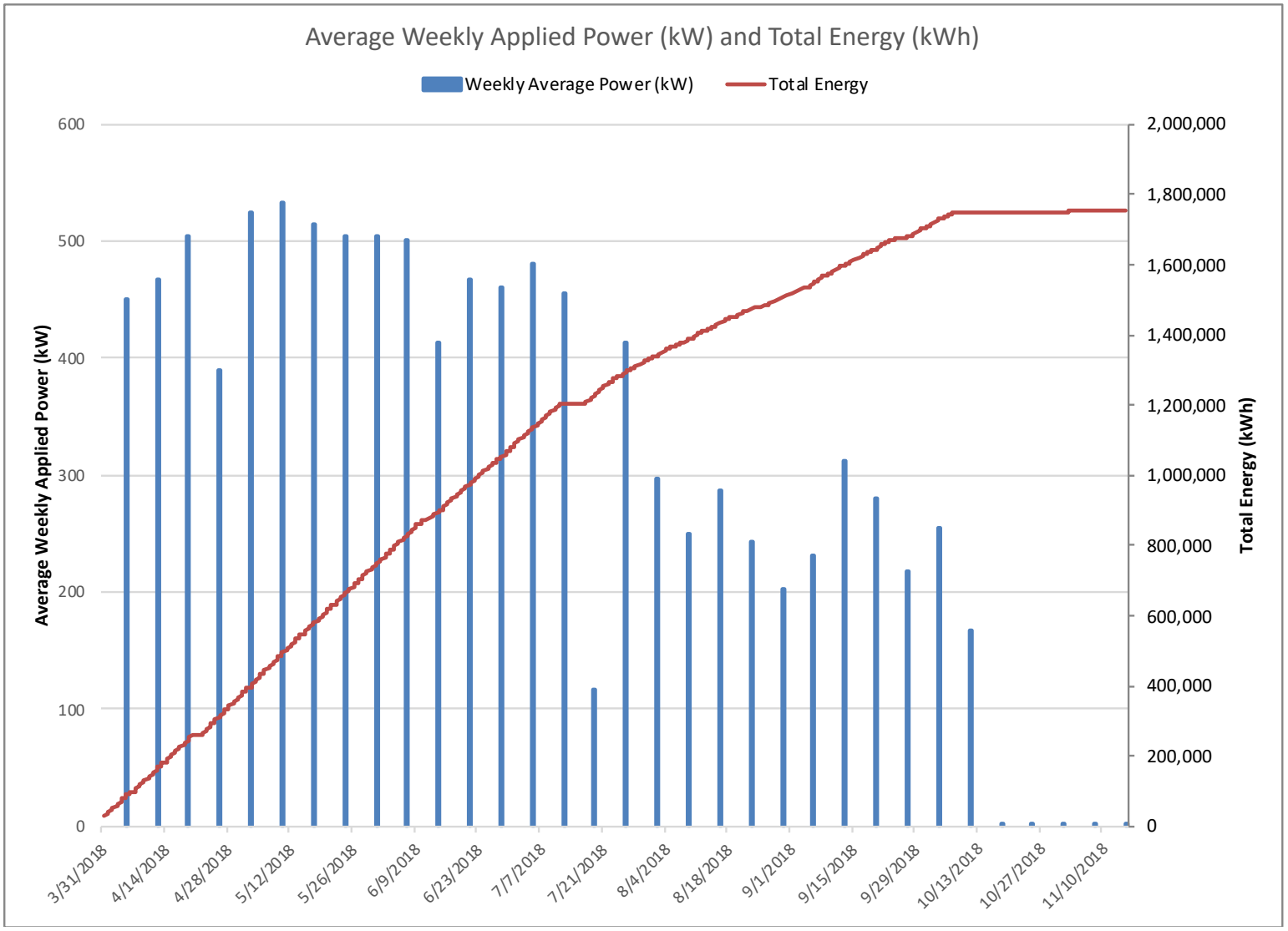


Figure 4. Average Daily Applied Power and Total Energy

APPENDIX B
LABORATORY ANALYTICAL REPORTS

CLEANUP ACTION PROGRESS REPORT

Former Penthouse Drapery and Belshaw Site
1752 Rainier Avenue South
Seattle, Washington

Pacific Crest No: 105-003

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Pacific Crest
William Carroll
1531 Bendigo BLVD N
North Bend, WA 98045

RE: Penthouse
Work Order Number: 1806359

July 06, 2018

Attention William Carroll:

Fremont Analytical, Inc. received 3 sample(s) on 6/28/2018 for the analyses presented in the following report.

Volatile Organic Compounds by EPA Method TO-15

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
Laboratory Director

CC:
Michael Black

Date: *07/06/2018*

CLIENT: Pacific Crest
Project: Penthouse
Work Order: 1806359

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1806359-001	IA1-062818	06/27/2018 5:51 PM	06/28/2018 8:01 AM
1806359-002	IA2-062818	06/27/2018 5:51 PM	06/28/2018 8:01 AM
1806359-003	AA1-062818	06/27/2018 5:53 PM	06/28/2018 8:01 AM

Case Narrative

WO#: **1806359**
Date: **7/6/2018**

CLIENT: Pacific Crest
Project: Penthouse

WorkOrder Narrative:
I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Air samples are reported in ppbv and ug/m3.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Standard temperature and pressure assumes 24.45 = (25C and 1 atm).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: **Pacific Crest**
WorkOrder: 1806359
Project: Penthouse

Client Sample ID: IA1-062818
Lab ID: 1806359-001A
Sample Type: Summa Canister

Date Sampled: 6/27/2018
Date Received 6/28/2018

Analyte	Concentration		Reporting Limit		Qual	Method	Date/Analyst	
Volatile Organic Compounds by EPA Method TO-15								
	(ppbv)	(ug/m³)	(ppbv)	(ug/m³)				
cis-1,2-Dichloroethene	<0.200	<0.793	0.200	0.793		EPA-TO-15	06/29/2018	BT
Tetrachloroethene (PCE)	0.381	2.58	0.300	2.03		EPA-TO-15	06/29/2018	BT
trans-1,2-Dichloroethene	<0.200	<0.793	0.200	0.793		EPA-TO-15	06/29/2018	BT
Trichloroethene (TCE)	<0.200	<1.07	0.200	1.07		EPA-TO-15	06/29/2018	BT
Vinyl chloride	<0.200	<0.511	0.200	0.511		EPA-TO-15	06/29/2018	BT
Surr: 4-Bromofluorobenzene	117 %Rec	--	70-130	--		EPA-TO-15	06/29/2018	BT

Client: **Pacific Crest**
WorkOrder: 1806359
Project: Penthouse

Client Sample ID: IA2-062818
Lab ID: 1806359-002A
Sample Type: Summa Canister

Date Sampled: 6/27/2018
Date Received 6/28/2018

Analyte	Concentration		Reporting Limit		Qual	Method	Date/Analyst	
Volatile Organic Compounds by EPA Method TO-15								
	(ppbv)	(ug/m³)	(ppbv)	(ug/m³)				
cis-1,2-Dichloroethene	<0.200	<0.793	0.200	0.793		EPA-TO-15	06/29/2018	BT
Tetrachloroethene (PCE)	0.396	2.69	0.300	2.03		EPA-TO-15	06/29/2018	BT
trans-1,2-Dichloroethene	<0.200	<0.793	0.200	0.793		EPA-TO-15	06/29/2018	BT
Trichloroethene (TCE)	<0.200	<1.07	0.200	1.07		EPA-TO-15	06/29/2018	BT
Vinyl chloride	<0.200	<0.511	0.200	0.511		EPA-TO-15	06/29/2018	BT
Surr: 4-Bromofluorobenzene	116 %Rec	--	70-130	--		EPA-TO-15	06/29/2018	BT

Client: **Pacific Crest**
WorkOrder: 1806359
Project: Penthouse

Client Sample ID: AA1-062818
Lab ID: 1806359-003A
Sample Type: Summa Canister

Date Sampled: 6/27/2018
Date Received 6/28/2018

Analyte	Concentration		Reporting Limit		Qual	Method	Date/Analyst	
Volatile Organic Compounds by EPA Method TO-15								
	(ppbv)	(ug/m³)	(ppbv)	(ug/m³)				
cis-1,2-Dichloroethene	<0.200	<0.793	0.200	0.793		EPA-TO-15	06/29/2018	BT
Tetrachloroethene (PCE)	<0.300	<2.03	0.300	2.03		EPA-TO-15	06/29/2018	BT
trans-1,2-Dichloroethene	<0.200	<0.793	0.200	0.793		EPA-TO-15	06/29/2018	BT
Trichloroethene (TCE)	<0.200	<1.07	0.200	1.07		EPA-TO-15	06/29/2018	BT
Vinyl chloride	<0.200	<0.511	0.200	0.511		EPA-TO-15	06/29/2018	BT
Surr: 4-Bromofluorobenzene	105 %Rec	--	70-130	--		EPA-TO-15	06/29/2018	BT

Work Order: 1806359
CLIENT: Pacific Crest
Project: Penthouse

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method TO-15

Sample ID **LCS-R44424**	SampType: **LCS**	Units: **ppbv**	Prep Date: **6/29/2018**	RunNo: **44424**
Client ID: **LCSW**	Batch ID: **R44424**		Analysis Date: **6/29/2018**	SeqNo: **860043**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	2.06	0.107	2.000	0	103	70	130				
trans-1,2-Dichloroethene	2.03	0.200	2.000	0	101	70	130				
cis-1,2-Dichloroethene	2.02	0.200	2.000	0	101	70	130				
Trichloroethene (TCE)	2.08	0.0649	2.000	0	104	70	130				
Tetrachloroethene (PCE)	1.78	0.200	2.000	0	88.9	70	130				
Surr: 4-Bromofluorobenzene	4.35		4.000		109	70	130				

Sample ID **MB-R44424**	SampType: **MBLK**	Units: **ppbv**	Prep Date: **6/29/2018**	RunNo: **44424**
Client ID: **MBLKW**	Batch ID: **R44424**		Analysis Date: **6/29/2018**	SeqNo: **860047**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.107									
trans-1,2-Dichloroethene	ND	0.200									
cis-1,2-Dichloroethene	ND	0.200									
Trichloroethene (TCE)	ND	0.0649									
Tetrachloroethene (PCE)	ND	0.200									
Surr: 4-Bromofluorobenzene	4.04		4.000		101	70	130				

Sample ID **1806358-001AREP**	SampType: **REP**	Units: **ppbv**	Prep Date: **6/29/2018**	RunNo: **44424**
Client ID: **BATCH**	Batch ID: **R44424**		Analysis Date: **6/29/2018**	SeqNo: **860053**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.107						0		30	
trans-1,2-Dichloroethene	ND	0.200						0		30	
cis-1,2-Dichloroethene	ND	0.200						0		30	
Trichloroethene (TCE)	ND	0.0649						0		30	
Tetrachloroethene (PCE)	ND	0.200						0		30	
Surr: 4-Bromofluorobenzene	4.36		4.000		109	70	130		0		

Sample Log-In Check List

Client Name:	**PACIFIC**	Work Order Number:	**1806359**
Logged by:	**Clare Griggs**	Date Received:	**6/28/2018 8:01:00 AM**

Chain of Custody

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

Log In

3.	Coolers are present?	Yes ☐	No ☑	NA ☐
		Air Samples		
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☐	No ☐	NA ☑
7.	Were all items received at a temperature of >0°C to 10.0°C*	Yes ☐	No ☐	NA ☑
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

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

Person Notified: _____ Date _____

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

Regarding: _____

Client Instructions: _____

19. Additional remarks:

Item Information

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Air Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 6/28/18 Page: 1 of: 1

Laboratory Project No (Internal): 1806359

Special Remarks: PLEASE CC RESULTS TO MBLACK@PCENV.COM
* ONLY PCE, TCE, cis-1,2-DCE trans-1,2-DCE, & VC *

Air samples are disposed of one week after report is submitted to client unless otherwise requested. ☐ OK to Dispose ☐ Hold (fees may apply)

Client: Pacific Crest
Address: PO BOX 957
City, State, Zip: NORTH BEND, WA, 98065
Telephone: (425) 888 4990
Fax: (425) 888 4994

Project Name: PENTHOUSE
Project No: 105-003 TASK 23
Location: SEATTLE, WA
Collected by: MB
Reports to (PM): BILL CARROLL
Email (PM): WCARROLL@ARROWENV.COM

	Sample Name	Canister / Flow Reg Serial #	Sample Date & Time	Sample Type (Matrix) *	Container Type **	Fill Time / Flow Rate	Internal: Initial Evacuation Pressure (mtorr)	Field Initial Sample Pressure (" Hg)	Field Final Sample Pressure (" Hg)	Analysis: VOCs TO15 SCAN	VOCs TO15 SCAN LL	VOCs TO15 SIM	Siloxanes TO15	Sulfur TO15	Sulfur Ext. TO15	APH TO15	Helium	Major Gases 3C		Comments	Internal: Final Pressure ("Hg)
1	IA1-062818	17240 Canister / FR8-02 Flow Reg	6/27/18 Date / 1751 Time	IA	6L	8hr	10mtorr Pressure / 6/26/2018 Date	-30 Pressure / 6/27/18 Date	-2 Pressure / 6/28/18 0655 Date	*											-2
2	IA2-062818	17644 Canister / FR8-27 Flow Reg	6/27/18 Date / 1751 Time	IA	6L	8hr	10mtorr Pressure / 6/26/2018 Date	-30 Pressure / 6/27/18 Date	-1 Pressure / 6/28/18 0654 Date	*											-1
3	AA1-062818	17646 Canister / FR8-09 Flow Reg	6/27/18 Date / 1753 Time	AA	6L	8hr	10mtorr Pressure / 6/26/2018 Date	-30 Pressure / 6/27/18 Date	+1 Pressure / 6/28/18 0700 Date	*											0
4		Canister / Flow Reg	Date / Time				Pressure / Date	Pressure / Date	Pressure / Date												
5		Canister / Flow Reg	Date / Time				Pressure / Date	Pressure / Date	Pressure / Date												

* Matrix Codes: AA = Ambient Air IA = Indoor Air L = Landfill S = Subslab / Soil Gas

** Container Codes: BV = 1 Liter Bottle Vac 6L = 6L Canister 1L = 1L Canister CYL = High Pressure Cylinder F = Filter S = Sorbent Tube TB = Tedlar Bag

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-Around Time:
- [x] Standard
- [ ] 3 Day
- [ ] 2 Day
- [ ] Next Day
- Same Day _____ (specify)

Relinquished	Date/Time	Received	Date/Time
x	6/28/18 0801	x	6/28/18 801
Relinquished	Date/Time	Received	Date/Time
x		x	

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 14, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1811-084

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on November 8, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

Case Narrative

Samples were collected on November 8, 2018 and received by the laboratory on November 8, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-110818**					
Laboratory ID:	11-084-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	0.34	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	0.32	0.20	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroform	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	2.6	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-110818**					
Laboratory ID:	11-084-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	63	1.0	EPA 8260C	11-13-18	11-13-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-110818**					
Laboratory ID:	11-084-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	0.36	0.20	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	0.39	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	9.8	0.20	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroform	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	6.5	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-110818**					
Laboratory ID:	11-084-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	12	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-110818**					
Laboratory ID:	11-084-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	0.35	0.20	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroform	0.53	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	0.78	0.20	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	4.8	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	

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Samples Submitted: November 8, 2018
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Project: 105-003

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-110818**					
Laboratory ID:	11-084-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	12	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Samples Submitted: November 8, 2018
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Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-110818**					
Laboratory ID:	11-084-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	0.29	0.20	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	0.52	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	15	0.20	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroform	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	23	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-110818**					
Laboratory ID:	11-084-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	26	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*105*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-110818**					
Laboratory ID:	11-084-05					
Dichlorodifluoromethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	2.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	2.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	2.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	2.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	0.51	0.40	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	7.3	0.40	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Chloroform	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	28	0.40	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260C	11-12-18	11-12-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-110818**					
Laboratory ID:	11-084-05					
1,1,2-Trichloroethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	73	0.40	EPA 8260C	11-12-18	11-12-18	
1,3-Dichloropropane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	2.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.40	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	2.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-110818**					
Laboratory ID:	11-084-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	0.20	0.20	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	0.68	0.20	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	0.74	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	21	0.20	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroform	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	27	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	

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Project: 105-003

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-110818**					
Laboratory ID:	11-084-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	38	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*105*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-110818**					
Laboratory ID:	11-084-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroform	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	0.71	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-110818**					
Laboratory ID:	11-084-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	1.5	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1112W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloromethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Vinyl Chloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Iodomethane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chloroform	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Trichloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromomethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	11-12-18	11-12-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-12-18	11-12-18	

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1112W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Tetrachloroethene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Bromoform	ND	1.0	EPA 8260C	11-12-18	11-12-18	
Bromobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	11-12-18	11-12-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-12-18	11-12-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-12-18	11-12-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
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VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1113W2					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Chloromethane	ND	1.0	EPA 8260C	11-13-18	11-13-18	
Vinyl Chloride	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Bromomethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Chloroethane	ND	1.0	EPA 8260C	11-13-18	11-13-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Iodomethane	ND	1.0	EPA 8260C	11-13-18	11-13-18	
Methylene Chloride	ND	1.0	EPA 8260C	11-13-18	11-13-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Bromochloromethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Chloroform	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Trichloroethene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Dibromomethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Bromodichloromethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
2-Chloroethyl Vinyl Ether	ND	1.4	EPA 8260C	11-13-18	11-13-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	11-13-18	11-13-18	

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB1113W2					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Tetrachloroethene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Dibromochloromethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Chlorobenzene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Bromoform	ND	1.0	EPA 8260C	11-13-18	11-13-18	
Bromobenzene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,1,2,2-Tetrachloroethane	ND	0.26	EPA 8260C	11-13-18	11-13-18	
1,2,3-Trichloropropane	ND	0.26	EPA 8260C	11-13-18	11-13-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	11-13-18	11-13-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	11-13-18	11-13-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	11-13-18	11-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*109*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB1112W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**11.7**	**10.6**	10.0	10.0	117	106	62-129	10	15	
Benzene	**11.8**	**10.8**	10.0	10.0	118	108	77-127	9	15	
Trichloroethene	**11.6**	**10.3**	10.0	10.0	116	103	70-120	12	15	
Toluene	**11.1**	**9.87**	10.0	10.0	111	99	82-123	12	15	
Chlorobenzene	**10.9**	**9.68**	10.0	10.0	109	97	79-120	12	15	
Surrogate:										
Dibromofluoromethane					*104*	*107*	*75-127*			
Toluene-d8					*100*	*98*	*80-127*			
4-Bromofluorobenzene					*104*	*105*	*78-125*			

Date of Report: November 14, 2018
Samples Submitted: November 8, 2018
Laboratory Reference: 1811-084
Project: 105-003

VOLATILE ORGANICS EPA 8260C
MS/MSD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	11-064-15										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**12.4**	**11.8**	10.0	10.0	ND	124	118	60-124	5	17	
Benzene	**12.9**	**12.4**	10.0	10.0	ND	129	124	67-130	4	22	
Trichloroethene	**24.0**	**23.9**	10.0	10.0	12.1	119	118	71-120	0	15	
Toluene	**10.8**	**11.2**	10.0	10.0	ND	108	112	79-118	4	24	
Chlorobenzene	**10.9**	**10.9**	10.0	10.0	ND	109	109	74-120	0	17	
Surrogate:											
Dibromofluoromethane						*114*	*109*	*75-127*			
Toluene-d8						*95*	*97*	*80-127*			
4-Bromofluorobenzene						*105*	*103*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt

Turnaround Request (in working days)

(Check One)

- [x] Same Day
- [ ] 1 Day
- [ ] 2 Days
- [ ] 3 Days
- [x] Standard (7 Days) (TPH analysis 5 Days)
- [ ] _____ (other)

Laboratory Number: 11-084

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	SCC1-110818	11-8-18	1240	GW	3						X												
2	SCC3-110818		1405								*												
3	MW31I-110818		1145								X												
4	MW33I-110818		0840								X												
5	MW33S-110818		0920								*												
6	MW34I-110818		1015								*												
7	MW34S-110818		1050								*												

	Signature	Company	Date	Time
Relinquished	[signature]	Pacific Crest	11-8-18	1527
Received	[signature]	OSE	11/8/18	1527
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

[redacted] wcarroll@arrowenv.com
struitt@pcenv.com

* = 5 day turnaround
X = 7 day turnaround

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 19, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1806-151

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on June 13, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

Case Narrative

Samples were collected on June11 and 12, 2018 and received by the laboratory on June 13, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-061118**					
Laboratory ID:	06-151-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-061118**					
Laboratory ID:	06-151-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-061118**					
Laboratory ID:	06-151-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-061118**					
Laboratory ID:	06-151-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-061118**					
Laboratory ID:	06-151-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-061118**					
Laboratory ID:	06-151-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21D-061118**					
Laboratory ID:	06-151-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	0.32	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21D-061118**					
Laboratory ID:	06-151-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21S-061118**					
Laboratory ID:	06-151-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21S-061118**					
Laboratory ID:	06-151-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	3.3	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW22-061118**					
Laboratory ID:	06-151-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW22-061118**					
Laboratory ID:	06-151-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-061118**					
Laboratory ID:	06-151-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-061118**					
Laboratory ID:	06-151-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-061118**					
Laboratory ID:	06-151-08					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	1.6	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-061118**					
Laboratory ID:	06-151-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	15	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-061118**					
Laboratory ID:	06-151-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	0.23	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	0.40	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	0.72	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	4.1	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-061118**					
Laboratory ID:	06-151-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	8.4	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
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Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-061118**					
Laboratory ID:	06-151-10					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-061118**					
Laboratory ID:	06-151-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27S-061118**					
Laboratory ID:	06-151-11					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	0.83	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27S-061118**					
Laboratory ID:	06-151-11					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	13	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*106*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27I-061118**					
Laboratory ID:	06-151-12					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	0.34	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	2.3	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27I-061118**					
Laboratory ID:	06-151-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	23	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SSC1-061118**					
Laboratory ID:	06-151-13					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	0.38	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SSC1-061118**					
Laboratory ID:	06-151-13					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	41	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-061218**					
Laboratory ID:	06-151-14					
Dichlorodifluoromethane	ND	5.4	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	30	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	9.0	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	20	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	38	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	28	4.0	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	250	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	4.0	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-061218**					
Laboratory ID:	06-151-14					
1,1,2-Trichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	690	4.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	20	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	5.6	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	20	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-061218**					
Laboratory ID:	06-151-15					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-061218**					
Laboratory ID:	06-151-15					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	6.1	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-061218**					
Laboratory ID:	06-151-16					
Dichlorodifluoromethane	ND	14	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	75	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	23	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	50	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	95	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	50	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	16	10	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	250	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	50	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-061218**					
Laboratory ID:	06-151-16					
1,1,2-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	990	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	50	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	14	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218**					
Laboratory ID:	06-151-17					
Dichlorodifluoromethane	ND	270	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1500	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	450	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1000	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1900	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1000	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	810	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1000	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218**					
Laboratory ID:	06-151-17					
1,1,2-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	24000	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1000	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	280	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218 DUP**					
Laboratory ID:	06-151-18					
Dichlorodifluoromethane	ND	270	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1500	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	450	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1000	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1900	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1000	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	680	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1000	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218 DUP**					
Laboratory ID:	06-151-18					
1,1,2-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	19000	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1000	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	280	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-061218**					
Laboratory ID:	06-151-19					
Dichlorodifluoromethane	ND	2.7	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	15	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	4.5	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	19	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	20	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-061218**					
Laboratory ID:	06-151-19					
1,1,2-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	410	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	2.8	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-061218**					
Laboratory ID:	06-151-20					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	0.26	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-061218**					
Laboratory ID:	06-151-20					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-061218**					
Laboratory ID:	06-151-21					
Dichlorodifluoromethane	ND	2.7	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	15	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	4.5	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	19	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	4.4	2.0	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	17	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-061218**					
Laboratory ID:	06-151-21					
1,1,2-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	360	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	2.8	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-061218**					
Laboratory ID:	06-151-22					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-061218**					
Laboratory ID:	06-151-22					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	0.20	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-061218**					
Laboratory ID:	06-151-23					
Dichlorodifluoromethane	ND	14	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	75	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	23	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	50	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	95	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	50	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	15	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	50	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-061218**					
Laboratory ID:	06-151-23					
1,1,2-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	1400	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	50	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	14	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-061218**					
Laboratory ID:	06-151-24					
Dichlorodifluoromethane	ND	0.54	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	3.0	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.90	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	3.8	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	3.6	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-061218**					
Laboratory ID:	06-151-24					
1,1,2-Trichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	52	0.40	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.56	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tripblank-061218**					
Laboratory ID:	06-151-25					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tripblank-061218**					
Laboratory ID:	06-151-25					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0615W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0615W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0618W1					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0618W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0615W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.48**	**9.07**	10.0	10.0	95	91	62-129	4	15	
Benzene	**9.29**	**8.89**	10.0	10.0	93	89	77-127	4	15	
Trichloroethene	**10.0**	**9.46**	10.0	10.0	100	95	70-120	6	15	
Toluene	**10.4**	**9.72**	10.0	10.0	104	97	82-123	7	15	
Chlorobenzene	**10.3**	**9.75**	10.0	10.0	103	98	79-120	5	15	
Surrogate:										
Dibromofluoromethane					*87*	*88*	*75-127*			
Toluene-d8					*98*	*98*	*80-127*			
4-Bromofluorobenzene					*98*	*98*	*78-125*			

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0618W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.38**	**9.24**	10.0	10.0	94	92	62-129	2	15	
Benzene	**9.29**	**9.09**	10.0	10.0	93	91	77-127	2	15	
Trichloroethene	**9.97**	**9.63**	10.0	10.0	100	96	70-120	3	15	
Toluene	**10.3**	**9.94**	10.0	10.0	103	99	82-123	4	15	
Chlorobenzene	**10.2**	**9.77**	10.0	10.0	102	98	79-120	4	15	
Surrogate:										
Dibromofluoromethane					*84*	*89*	*75-127*			
Toluene-d8					*97*	*99*	*80-127*			
4-Bromofluorobenzene					*98*	*99*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt / M. Black

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 06-151

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW30S-061118	6-11-18	0915	GW	3						X																
2	MW30I-061118		0955								X																
3	MW30D-061118		1100								X																
4	MW21D-061118		1200								X																
5	MW21S-061118		1230								X																
6	MW22-061118		1305								X																
7	MW17-061118		1340								X																
8	MW31S-061118		1415								X																
9	MW31I-061118		1440								X																
10	MW31D-061118	↓	1520	↓	↓						X																

	Signature	Company	Date	Time
Relinquished		Pacific Crest	6-13-18	1148
Received		Alpha Courier	6-13-18	1148
Relinquished		Alpha Courier	6-13-18	1602
Received		CORE	6/13/18	1602
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

wcarroll@arrowenv.com
mblack@pcenv.com
struitt@pcenv.com

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt / M. Black

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 06-151

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11	MW27S-061118	6-11-18	1610*	GW	3						X																
12	MW27I-061118	"	1635	"	3						X																
13	SSC1-061118	"	1755	"	3						X																
14	MW35I-061218	6-12-18	0915	GW	3						X																
15	MW35D-061218	"	1020	"	3						X																
16	MW35S-061218	"	1135	"	3						X																
17	MW34I-061218	"	1305	"	3						X																
18	MW34I-061218 DUP	"	1308	"	3						X																
19	MW34S-061218	"	1350	"	3						X																
20	MW34D-061218	"	1435	"	3						X																

	Signature	Company	Date	Time
Relinquished		Pacific Crest	6-13-18	1148
Received		Alpha Courier	6-13-18	1148
Relinquished		Alpha Courier	6-13-18	1602
Received		COE	6/13/18	1602
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* label initially said 1410 for sample time - it is crossed out & now reads 1610 (correct time)

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest Env.
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt / M. Black

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☑ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 06-151

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
21	MW33I-061218	6-12-18	1520	GW	3						X																
22	MW33D-061218		1605		3						X																
23	MW33S-061218		1645		3						X																
24	SCC3-061218		1812		3						X																
25	tripblank-061218	6-12-18	0900	GW	2																						

	Signature	Company	Date	Time
Relinquished		Pacific Crest	6-13-18	1148
Received		Alpha Courier	6-13-18	1148
Relinquished		Alpha courier	6-13-18	1602
Received		ORE	6/13/18	1602
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 17, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1807-081

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on July 13, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 17, 2018
Samples Submitted: July 13, 2018
Laboratory Reference: 1807-081
Project: 105-003

Case Narrative

Samples were collected on July 11, 12, and 13, 2018 and received by the laboratory on July 13, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 17, 2018
Samples Submitted: July 13, 2018
Laboratory Reference: 1807-081
Project: 105-003

VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-071118**					
Laboratory ID:	07-081-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

Date of Report: July 17, 2018
Samples Submitted: July 13, 2018
Laboratory Reference: 1807-081
Project: 105-003

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-071118**					
Laboratory ID:	07-081-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*117*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: July 17, 2018
Samples Submitted: July 13, 2018
Laboratory Reference: 1807-081
Project: 105-003

VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-071118**					
Laboratory ID:	07-081-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-071118**					
Laboratory ID:	07-081-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*119*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-071118**					
Laboratory ID:	07-081-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-071118**					
Laboratory ID:	07-081-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*121*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-071118**					
Laboratory ID:	07-081-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	0.25	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	2.5	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-071118**					
Laboratory ID:	07-081-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	17	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*122*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-071118**					
Laboratory ID:	07-081-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	0.29	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	0.44	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	0.74	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	4.8	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-071118**					
Laboratory ID:	07-081-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	11	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*121*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-071118**					
Laboratory ID:	07-081-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-071118**					
Laboratory ID:	07-081-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*120*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-071318**					
Laboratory ID:	07-081-07					
Dichlorodifluoromethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	20	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	40	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	20	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	140	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	4.4	4.0	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	45	4.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	4.0	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-071318**					
Laboratory ID:	07-081-07					
1,1,2-Trichloroethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	480	4.0	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	20	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	20	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*114*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-071318**					
Laboratory ID:	07-081-08					
Dichlorodifluoromethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	50	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	10	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	100	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	50	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	10	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	10	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	360	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	50	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	10	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	10	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	40	10	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	10	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	10	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	280	10	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	10	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	10	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	50	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-071318**					
Laboratory ID:	07-081-08					
1,1,2-Trichloroethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	1200	10	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	10	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	10	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	50	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	10	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	10	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	10	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	50	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	10	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*75-127*				
Toluene-d8	*96*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-071318**					
Laboratory ID:	07-081-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-071318**					
Laboratory ID:	07-081-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*124*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-071218**					
Laboratory ID:	07-081-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-071218**					
Laboratory ID:	07-081-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*118*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-071218**					
Laboratory ID:	07-081-11					
Dichlorodifluoromethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	150	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	30	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	300	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	150	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	30	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	30	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	1100	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	150	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	30	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	30	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	100	30	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	30	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	30	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	1600	30	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	30	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	30	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	150	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	30	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	30	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-071218**					
Laboratory ID:	07-081-11					
1,1,2-Trichloroethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	6900	30	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	30	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	30	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	30	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	150	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	30	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	30	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	30	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	30	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	150	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	30	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	150	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	30	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*117*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-071218**					
Laboratory ID:	07-081-12					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-071218**					
Laboratory ID:	07-081-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*119*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-071218**					
Laboratory ID:	07-081-13					
Dichlorodifluoromethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	20	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	71	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	10	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	2.2	2.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	9.1	2.0	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	100	2.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	10	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-071218**					
Laboratory ID:	07-081-13					
1,1,2-Trichloroethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	230	2.0	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	10	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	10	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-071218**					
Laboratory ID:	07-081-14					
Dichlorodifluoromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	5.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	10	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	5.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	36	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	5.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	1.2	1.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	7.0	1.0	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	51	1.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	5.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-071218**					
Laboratory ID:	07-081-14					
1,1,2-Trichloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	100	1.0	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	5.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	5.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-071218**					
Laboratory ID:	07-081-15					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-071218**					
Laboratory ID:	07-081-15					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	3.0	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*121*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-071218**					
Laboratory ID:	07-081-16					
Dichlorodifluoromethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	4.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	14	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	2.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	1.3	0.40	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-071218**					
Laboratory ID:	07-081-16					
1,1,2-Trichloroethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	81	0.40	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.40	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	2.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*75-127*				
Toluene-d8	*96*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-071218**					
Laboratory ID:	07-081-17					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	0.61	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-071218**					
Laboratory ID:	07-081-17					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	5.2	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*119*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-071118**					
Laboratory ID:	07-081-18					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-071118**					
Laboratory ID:	07-081-18					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0716W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	2.0	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	7.1	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	7-16-18	7-16-18	

Date of Report: July 17, 2018
Samples Submitted: July 13, 2018
Laboratory Reference: 1807-081
Project: 105-003

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0716W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	1.0	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: July 17, 2018
Samples Submitted: July 13, 2018
Laboratory Reference: 1807-081
Project: 105-003

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0716W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**11.3**	**10.7**	10.0	10.0	113	107	62-129	5	15	
Benzene	**11.4**	**10.8**	10.0	10.0	114	108	77-127	5	15	
Trichloroethene	**10.4**	**9.83**	10.0	10.0	104	98	70-120	6	15	
Toluene	**10.9**	**10.2**	10.0	10.0	109	102	82-123	7	15	
Chlorobenzene	**10.3**	**9.66**	10.0	10.0	103	97	79-120	6	15	
Surrogate:										
Dibromofluoromethane					*104*	*107*	*75-127*			
Toluene-d8					*98*	*98*	*80-127*			
4-Bromofluorobenzene					*96*	*99*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt / M. Black

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days) (TPH analysis 5 Days)
- ☒ 4-5 Day (other)

Laboratory Number: 07-081

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW30S-071118	7-11-18	1335	GW	3						X																
2	MW30I-071118	7-11-18	1250								X																
3	MW30D-071118	7-11-18	1210								X																
4	MW31S-071118	7-11-18	1016								X																
5	MW31I-071118	7-11-18	0940								X																
6	MW31D-071118	7-11-18	1010								X																
7	MW33S-071318	7-13-18	0855								X																
8	MW33I-071318	7-13-18	0935								X																
9	MW33D-071318	7-13-18	0810								X																
10	MW34S-071218	7-12-18	1425	↓	↓						X																

	Signature	Company	Date	Time
Relinquished		Pacific Crest	7-13-18	1109
Received		ORE	7/13/18	1109
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

wcarroll@carrollenv.com
struitt@pcenv.com
mblack@pcenv.com
→ Needed by end of day Thursday 7/19 (4 soil samples coming in on Monday 7/16)

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt/M Black

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days) (TPH analysis 5 Days)
- ☒ 4-5 Day (other)

Laboratory Number: 07-081

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11	MW34I -071218	7-12-18	1635	GW	3						X																
12	MW34D -071218	7-12-18	1545								X																
13	MW35S -071218	7-12-18	1225								X																
14	MW35I -071218	7-12-18	1140								X																
15	MW35D -071218	7-12-18	1045								X																
16	SCC1 -071218	7-12-18	1850								X																
17	SCC3 -071218	7-12-18	1825								X																
18	MW17 -071118	7-11-18	1120	↓	↓						X																

	Signature	Company	Date	Time
Relinquished		Pacific Crest	7-13-18	1109
Received		OSE	7/13/18	1109
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 30, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003 Task 23
Laboratory Reference No. 1808-287

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on August 24, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
Laboratory Reference: 1808-287
Project: 105-003 Task 23

Case Narrative

Samples were collected on August 22, 23, and 24, 2018 and received by the laboratory on August 24, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
Laboratory Reference: 1808-287
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-082318**					
Laboratory ID:	08-287-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	0.21	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
Laboratory Reference: 1808-287
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-082318**					
Laboratory ID:	08-287-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*89*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
Laboratory Reference: 1808-287
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21S-082218**					
Laboratory ID:	08-287-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
Laboratory Reference: 1808-287
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21S-082218**					
Laboratory ID:	08-287-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	2.8	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*91*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
Laboratory Reference: 1808-287
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21D-082218**					
Laboratory ID:	08-287-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	0.22	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21D-082218**					
Laboratory ID:	08-287-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*93*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW22-082218**					
Laboratory ID:	08-287-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	0.24	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW22-082218**					
Laboratory ID:	08-287-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*93*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27S-082318**					
Laboratory ID:	08-287-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	0.87	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27S-082318**					
Laboratory ID:	08-287-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	13	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*94*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27I-082318**					
Laboratory ID:	08-287-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	0.34	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	2.4	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27I-082318**					
Laboratory ID:	08-287-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	24	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*94*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-082218**					
Laboratory ID:	08-287-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-082218**					
Laboratory ID:	08-287-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*94*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-082218**					
Laboratory ID:	08-287-08					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-082218**					
Laboratory ID:	08-287-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*94*	*80-127*				
4-Bromofluorobenzene	*105*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-082218**					
Laboratory ID:	08-287-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-082218**					
Laboratory ID:	08-287-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*94*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-082218**					
Laboratory ID:	08-287-10					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	0.28	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	3.4	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-082218**					
Laboratory ID:	08-287-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	18	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*92*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-082318**					
Laboratory ID:	08-287-11					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	0.23	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	0.41	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	0.71	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	5.5	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-082318**					
Laboratory ID:	08-287-11					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	14	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*93*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-082318**					
Laboratory ID:	08-287-12					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-082318**					
Laboratory ID:	08-287-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*92*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-082418**					
Laboratory ID:	08-287-13					
Dichlorodifluoromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	10	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	25	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	5.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	2.6	1.0	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	30	1.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	5.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-082418**					
Laboratory ID:	08-287-13					
1,1,2-Trichloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	100	1.0	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	5.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	1.3	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*88*	*80-127*				
4-Bromofluorobenzene	*94*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-082418**					
Laboratory ID:	08-287-14					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	0.82	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	2.2	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-082418**					
Laboratory ID:	08-287-14					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	5.7	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*75-127*				
Toluene-d8	*85*	*80-127*				
4-Bromofluorobenzene	*94*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-082418**					
Laboratory ID:	08-287-15					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-082418**					
Laboratory ID:	08-287-15					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*92*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-082418**					
Laboratory ID:	08-287-16					
Dichlorodifluoromethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	10	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	20	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	10	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	50	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	10	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	6.4	2.0	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	81	2.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	10	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-082418**					
Laboratory ID:	08-287-16					
1,1,2-Trichloroethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	270	2.0	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	10	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	10	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	2.6	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*87*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-082318**					
Laboratory ID:	08-287-17					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	0.63	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-082318**					
Laboratory ID:	08-287-17					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	1.1	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*91*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-082318**					
Laboratory ID:	08-287-18					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-082318**					
Laboratory ID:	08-287-18					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*89*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-082318**					
Laboratory ID:	08-287-19					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-082318**					
Laboratory ID:	08-287-19					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*88*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-082318**					
Laboratory ID:	08-287-20					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	2.0	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	0.24	0.20	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	0.46	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	2.6	0.20	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	10	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-082318**					
Laboratory ID:	08-287-20					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	15	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*85*	*75-127*				
Toluene-d8	*93*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-082318 DUP**					
Laboratory ID:	08-287-21					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	2.0	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	0.26	0.20	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	0.55	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	3.1	0.20	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	11	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-082318 DUP**					
Laboratory ID:	08-287-21					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	16	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*95*	*80-127*				
4-Bromofluorobenzene	*105*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-082318**					
Laboratory ID:	08-287-22					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	2.0	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-082318**					
Laboratory ID:	08-287-22					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	1.7	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*88*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-82218**					
Laboratory ID:	08-287-23					
Dichlorodifluoromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	10	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	25	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	5.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	2.9	1.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	5.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260C	8-29-18	8-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-82218**					
Laboratory ID:	08-287-23					
1,1,2-Trichloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	92	1.0	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	5.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	1.3	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*92*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-82218**					
Laboratory ID:	08-287-24					
Dichlorodifluoromethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	20	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	40	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	20	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	100	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	20	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	8.1	4.0	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	39	4.0	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	390	4.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	20	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	4.0	EPA 8260C	8-29-18	8-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-82218**					
Laboratory ID:	08-287-24					
1,1,2-Trichloroethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	830	4.0	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	20	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	4.0	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	20	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	20	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	5.2	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*89*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TRIP BLANK-082218**					
Laboratory ID:	08-287-25					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	2.0	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**TRIP BLANK-082218**					
Laboratory ID:	08-287-25					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*91*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0827W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloromethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromomethane	ND	2.0	EPA 8260C	8-27-18	8-27-18	
Chloroethane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Iodomethane	ND	5.0	EPA 8260C	8-27-18	8-27-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chloroform	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Trichloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromomethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-27-18	8-27-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-27-18	8-27-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0827W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Bromoform	ND	1.0	EPA 8260C	8-27-18	8-27-18	
Bromobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-27-18	8-27-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-27-18	8-27-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-27-18	8-27-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-27-18	8-27-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*75-127*				
Toluene-d8	*89*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0829W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	2.0	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	5.0	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	8-29-18	8-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0829W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	1.0	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	0.26	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*87*	*75-127*				
Toluene-d8	*88*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
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VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0827W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.9**	**10.3**	10.0	10.0	109	103	62-129	6	15	
Benzene	**10.8**	**10.3**	10.0	10.0	108	103	77-127	5	15	
Trichloroethene	**10.4**	**9.88**	10.0	10.0	104	99	70-120	5	15	
Toluene	**10.7**	**10.3**	10.0	10.0	107	103	82-123	4	15	
Chlorobenzene	**10.3**	**9.93**	10.0	10.0	103	99	79-120	4	15	
Surrogate:										
Dibromofluoromethane					*87*	*88*	*75-127*			
Toluene-d8					*89*	*88*	*80-127*			
4-Bromofluorobenzene					*95*	*95*	*78-125*			

Date of Report: August 30, 2018
Samples Submitted: August 24, 2018
Laboratory Reference: 1808-287
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0829W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**10.6**	**10.0**	10.0	10.0	106	100	62-129	6	15	
Benzene	**11.1**	**10.5**	10.0	10.0	111	105	77-127	6	15	
Trichloroethene	**10.7**	**9.96**	10.0	10.0	107	100	70-120	7	15	
Toluene	**11.1**	**10.5**	10.0	10.0	111	105	82-123	6	15	
Chlorobenzene	**10.5**	**9.70**	10.0	10.0	105	97	79-120	8	15	
Surrogate:										
Dibromofluoromethane					*85*	*89*	*75-127*			
Toluene-d8					*88*	*89*	*80-127*			
4-Bromofluorobenzene					*93*	*94*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 3

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 08-287

Company: PACIFIC CREST
Project Number: 105-003 TASK 23
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: MB | JH

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW17 - 082318	8/23/18	1053	H_2O	3						X																
2	MW21S - 082218	8/22/18	1345								X																
3	MW21D - 082218	8/22/18	1310								X																
4	MW22 - 082218	8/22/18	1435								X																
5	MW27S - 082318	8/23/18	0923								X																
6	MW27I - 082318	8/23/18	0850								X																
7	MW30S - 082218	8/22/18	1150								X																
8	MW30I - 082218	8/22/18	1125								X																
9	MW30D - 082218	8/22/18	1225								X																
10	MW31S - 082218	8/22/18	1533								X																

	Signature	Company	Date	Time
Relinquished		PACIFIC CREST	8/24/18	1630
Received	Heather Lisson	OSE	8/24/18	1630
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
PLEASE CC RESULTS TO:
JHARRINGTON@PCENV.COM
MBLACK@PCENV.COM

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: SEE PAGE 1
Project Number:
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-287

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11	MW31I - 082318	8/23/18	0956	H_2O	3						X																
12	MW31D - 082318	8/23/18	1025								X																
13	MW33S - 082418	8/24/18	1140								X																
14	MW33I - 082418	8/24/18	1350								X																
15	MW33D - 082418	8/24/18	1310								X																
16	MW34S - 082418	8/24/18	1220								X																
17	MW34I - 082318	8/23/18	1553								X																
18	MW34D - 082318	8/23/18	1505								X																
19	MW35S - 082318	8/23/18	1430								X																
20	MW35I - 082318	8/23/18	1330								X																

	Signature	Company	Date	Time
Relinquished		PACIFIC CREST	8/24/18	1630
Received	Kellie Lisson	OSE	8/24/18	1630
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
SEE PAGE 1

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: SEE PAGE 1
Project Number:
Project Name:
Project Manager:
Sampled by:

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-287

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
21	MW35I - 082318 DUP	8/23/18	1330	H_2O	3						X																
22	MW35D - 082318	8/23/18	1230								X																
23	SCC1 - 082218	8/22/18	1642								X																
24	SCC3 - 082218	8/22/18	1742		5						X																
25	TRIPBLANK - 082218	8/22/18	0930		3						X																

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		PACIFIC CREST	8/24/18	1630	SEE PAGE 1
Received		OSE	8/24/18	1630	
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard ☐ Level III ☐ Level IV ☐
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 2, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003 T23
Laboratory Reference No. 1809-291

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on September 27, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

Case Narrative

Samples were collected on September 26 and 27, 2018 and received by the laboratory on September 27, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-092618**					
Laboratory ID:	09-291-01					
Dichlorodifluoromethane	ND	0.50	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	2.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.62	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	2.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	0.78	0.40	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	2.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	2.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	3.6	0.40	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	24	0.40	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	140	4.0	EPA 8260C	9-29-18	9-29-18	
1,2-Dichloropropane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260C	9-28-18	9-28-18	

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-092618**					
Laboratory ID:	09-291-01					
1,1,2-Trichloroethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	310	4.0	EPA 8260C	9-29-18	9-29-18	
1,3-Dichloropropane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	2.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.40	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	2.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-092618**					
Laboratory ID:	09-291-02					
Dichlorodifluoromethane	ND	0.25	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.31	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	0.21	0.20	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	0.67	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-092618**					
Laboratory ID:	09-291-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	1.3	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-092618**					
Laboratory ID:	09-291-03					
Dichlorodifluoromethane	ND	1.3	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	1.6	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	5.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	1.2	1.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	7.2	1.0	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	61	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	5.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260C	9-28-18	9-28-18	

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-092618**					
Laboratory ID:	09-291-03					
1,1,2-Trichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	120	1.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	5.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-092618**					
Laboratory ID:	09-291-04					
Dichlorodifluoromethane	ND	13	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	50	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	10	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	16	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	50	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	10	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	10	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	50	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	50	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	18	10	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	10	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	10	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	140	10	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	10	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	10	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	10	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	10	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	10	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	10	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	760	10	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	10	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	10	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	10	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	50	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-092618**					
Laboratory ID:	09-291-04					
1,1,2-Trichloroethane	ND	10	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	1000	10	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	10	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	10	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	10	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	10	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	50	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	10	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	10	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	10	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	10	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	10	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	10	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	10	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	10	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	50	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	10	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*94*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-092618**					
Laboratory ID:	09-291-05					
Dichlorodifluoromethane	ND	0.25	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.31	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-092618**					
Laboratory ID:	09-291-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-092618**					
Laboratory ID:	09-291-06					
Dichlorodifluoromethane	ND	0.25	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.31	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-092618**					
Laboratory ID:	09-291-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-092618**					
Laboratory ID:	09-291-07					
Dichlorodifluoromethane	ND	0.25	EPA 8260C	9-28-18	9-28-18	
Chloromethane	3.7	1.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.31	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	0.64	0.20	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	1.4	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	22	0.20	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	17	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-092618**					
Laboratory ID:	09-291-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	35	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*90*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-092618**					
Laboratory ID:	09-291-08					
Dichlorodifluoromethane	ND	0.25	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.31	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-092618**					
Laboratory ID:	09-291-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	1.4	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-092618**					
Laboratory ID:	09-291-09					
Dichlorodifluoromethane	ND	1.3	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	1.6	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	5.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	3.6	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	5.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC1-092618**					
Laboratory ID:	09-291-09					
1,1,2-Trichloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	110	1.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	5.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-092618**					
Laboratory ID:	09-291-10					
Dichlorodifluoromethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	20	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	6.2	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	20	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	20	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	7.7	4.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	46	4.0	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	340	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	4.0	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-092618**					
Laboratory ID:	09-291-10					
1,1,2-Trichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	450	4.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	20	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	20	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-092618DUP**					
Laboratory ID:	09-291-11					
Dichlorodifluoromethane	ND	5.0	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	20	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	6.2	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	20	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	20	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	7.8	4.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	47	4.0	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	320	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	4.0	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-092618DUP**					
Laboratory ID:	09-291-11					
1,1,2-Trichloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	420	4.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	20	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	4.0	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	20	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0928W1					
Dichlorodifluoromethane	ND	0.25	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.31	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0928W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	1.0	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

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Laboratory Reference: 1809-291
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0929W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Chloromethane	ND	1.0	EPA 8260C	9-29-18	9-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Bromomethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Chloroethane	ND	1.0	EPA 8260C	9-29-18	9-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Iodomethane	ND	1.0	EPA 8260C	9-29-18	9-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	9-29-18	9-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Chloroform	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Trichloroethene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Dibromomethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	9-29-18	9-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	9-29-18	9-29-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0929W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Tetrachloroethene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Bromoform	ND	1.0	EPA 8260C	9-29-18	9-29-18	
Bromobenzene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	9-29-18	9-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	9-29-18	9-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	9-29-18	9-29-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	9-29-18	9-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*75-127*				
Toluene-d8	*105*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0928W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.33**	**8.62**	10.0	10.0	93	86	62-129	8	15	
Benzene	**9.85**	**9.10**	10.0	10.0	99	91	77-127	8	15	
Trichloroethene	**10.7**	**9.82**	10.0	10.0	107	98	70-120	9	15	
Toluene	**10.6**	**9.78**	10.0	10.0	106	98	82-123	8	15	
Chlorobenzene	**10.5**	**9.53**	10.0	10.0	105	95	79-120	10	15	
Surrogate:										
Dibromofluoromethane					*96*	*97*	*75-127*			
Toluene-d8					*99*	*99*	*80-127*			
4-Bromofluorobenzene					*97*	*91*	*78-125*			

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0929W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**8.87**	**9.06**	10.0	10.0	89	91	62-129	2	15	
Benzene	**9.32**	**9.49**	10.0	10.0	93	95	77-127	2	15	
Trichloroethene	**9.55**	**9.81**	10.0	10.0	96	98	70-120	3	15	
Toluene	**9.80**	**10.1**	10.0	10.0	98	101	82-123	3	15	
Chlorobenzene	**9.04**	**9.21**	10.0	10.0	90	92	79-120	2	15	
Surrogate:										
Dibromofluoromethane					*105*	*104*	*75-127*			
Toluene-d8					*103*	*103*	*80-127*			
4-Bromofluorobenzene					*100*	*101*	*78-125*			

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB10-092718-45.0-45.75**					
Laboratory ID:	09-291-12					
Dichlorodifluoromethane	ND	0.0025	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	0.0071	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	0.0051	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	0.0051	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	0.010	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	0.0022	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB10-092718-45.0-45.75**					
Laboratory ID:	09-291-12					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	0.0037	0.0010	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	0.0051	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*68-139*				
Toluene-d8	*109*	*79-128*				
4-Bromofluorobenzene	*106*	*71-132*				

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Samples Submitted: September 27, 2018
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB10-092718-45.75-46.5**					
Laboratory ID:	09-291-13					
Dichlorodifluoromethane	ND	0.0029	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	0.0082	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	0.0059	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	0.0059	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	0.012	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	0.0018	0.0012	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	0.014	0.0012	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB10-092718-45.75-46.5**					
Laboratory ID:	09-291-13					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	0.030	0.0012	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	0.0059	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	0.0059	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*68-139*				
Toluene-d8	*108*	*79-128*				
4-Bromofluorobenzene	*106*	*71-132*				

Date of Report: October 2, 2018
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Project: 105-003 T23

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB11-092718-50.0-51.0**					
Laboratory ID:	09-291-14					
Dichlorodifluoromethane	ND	0.0027	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	0.0075	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	0.0053	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	0.0053	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	0.011	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB11-092718-50.0-51.0**					
Laboratory ID:	09-291-14					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	0.0049	0.0011	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	0.0053	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	0.0053	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*109*	*68-139*				
Toluene-d8	*114*	*79-128*				
4-Bromofluorobenzene	*107*	*71-132*				

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB11-092718-54.0-55.0**					
Laboratory ID:	09-291-15					
Dichlorodifluoromethane	ND	0.0026	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	0.0073	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	0.0052	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	0.0052	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	0.010	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB11-092718-54.0-55.0**					
Laboratory ID:	09-291-15					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	0.0016	0.0010	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	0.0052	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	0.0052	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*68-139*				
Toluene-d8	*107*	*79-128*				
4-Bromofluorobenzene	*98*	*71-132*				

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0928S1					
Dichlorodifluoromethane	ND	0.0025	EPA 8260C	9-28-18	9-28-18	
Chloromethane	ND	0.0070	EPA 8260C	9-28-18	9-28-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromomethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chloroethane	ND	0.0050	EPA 8260C	9-28-18	9-28-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Iodomethane	ND	0.0050	EPA 8260C	9-28-18	9-28-18	
Methylene Chloride	ND	0.010	EPA 8260C	9-28-18	9-28-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromochloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chloroform	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Trichloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Dibromomethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	9-28-18	9-28-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0928S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Chlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Bromoform	ND	0.0050	EPA 8260C	9-28-18	9-28-18	
Bromobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	9-28-18	9-28-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	9-28-18	9-28-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	9-28-18	9-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*68-139*				
Toluene-d8	*109*	*79-128*				
4-Bromofluorobenzene	*104*	*71-132*				

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0928S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0527**	**0.0548**	0.0500	0.0500	105	110	53-141	4	17	
Benzene	**0.0562**	**0.0576**	0.0500	0.0500	112	115	70-130	2	15	
Trichloroethene	**0.0509**	**0.0510**	0.0500	0.0500	102	102	74-122	0	16	
Toluene	**0.0557**	**0.0562**	0.0500	0.0500	111	112	76-130	1	15	
Chlorobenzene	**0.0451**	**0.0463**	0.0500	0.0500	90	93	75-120	3	14	
Surrogate:										
Dibromofluoromethane					*108*	*107*	*68-139*			
Toluene-d8					*106*	*108*	*79-128*			
4-Bromofluorobenzene					*105*	*107*	*71-132*			

Date of Report: October 2, 2018
Samples Submitted: September 27, 2018
Laboratory Reference: 1809-291
Project: 105-003 T23

% MOISTURE

Date Analyzed: 10-1-18

Client ID	Lab ID	% Moisture
CSB10-092718-45.0-45.75	09-291-12	16
CSB10-092718-45.75-46.5	09-291-13	18
CSB11-092718-50.0-51.0	09-291-14	13
CSB11-092718-54.0-55.0	09-291-15	8

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: PACIFIC CREST
Project Number: 105-003 Y 23
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: M BLACK

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
☒ Standard (7 Days) ND
☐ _____ (other)

Laboratory Number: 09-291

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW33S - 092618	9/26/18	1430	H_2O	3						X																
2	MW33I - 092618		1505								X																
3	MW34S - 092618		1125								X																
4	MW34I - 092618		1215								X																
5	MW34D - 092618		1348								X																
6	MW35S - 092618		0905								X																
7	MW35I - 092618		0945								X																
8	MW35D - 092618		1035								X																
9	SCC1 - 092618		1750								X																
10	SCC3 - 092618		1605								X																

	Signature	Company	Date	Time
Relinquished		PACIFIC CREST	9/27/18	1536
Received		OSE	9/27/18	1536
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

PLEASE CC RESULTS TO
MBLACK@PCENV.COM
STRUITH@PCENV.COM
JHARRINGTON@PCENV.COM

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: PACIFIC CREST
Project Number: 105-003 T23
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: M BLACK

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
☑ Standard (7 Days) ND
☐ _____ (other)

Laboratory Number: 09-291

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	SCC3-092618 DUP	9/26/18	1610	H2O	3
12	CSB10 - 092718 - 45.0-45.75	9/27/18		SOIL	4
13	CSB10 - 092718 - 45.75-46.5	↓	↓	↓	↓
14	CSB11 - 092718 - 50.0-51.0				
15	CSB11 - 092718 54.0-55.0				

	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11						X																
12						X																X
13						X																X
14						X																X
15						X																X

	Signature	Company	Date	Time
Relinquished		PACIFIC CREST OSE	9/27/18	1536
Received			9/27/18	1536
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

PLEASE CC RESULTS TO
MBLACK@PCENV.COM
STRUITT@PCENV.COM
JHARRINGTON@PCENV.COM

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 19, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1806-151

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on June 13, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

Case Narrative

Samples were collected on June11 and 12, 2018 and received by the laboratory on June 13, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-061118**					
Laboratory ID:	06-151-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30S-061118**					
Laboratory ID:	06-151-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
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Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-061118**					
Laboratory ID:	06-151-02					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30I-061118**					
Laboratory ID:	06-151-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: June 19, 2018
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-061118**					
Laboratory ID:	06-151-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Project: 105-003

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW30D-061118**					
Laboratory ID:	06-151-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: June 19, 2018
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21D-061118**					
Laboratory ID:	06-151-04					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	0.32	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Project: 105-003

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21D-061118**					
Laboratory ID:	06-151-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: June 19, 2018
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Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21S-061118**					
Laboratory ID:	06-151-05					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW21S-061118**					
Laboratory ID:	06-151-05					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	3.3	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW22-061118**					
Laboratory ID:	06-151-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW22-061118**					
Laboratory ID:	06-151-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*98*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-061118**					
Laboratory ID:	06-151-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW17-061118**					
Laboratory ID:	06-151-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-061118**					
Laboratory ID:	06-151-08					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	1.6	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31S-061118**					
Laboratory ID:	06-151-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	15	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-061118**					
Laboratory ID:	06-151-09					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	0.23	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	0.40	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	0.72	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	4.1	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31I-061118**					
Laboratory ID:	06-151-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	8.4	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*89*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-061118**					
Laboratory ID:	06-151-10					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW31D-061118**					
Laboratory ID:	06-151-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27S-061118**					
Laboratory ID:	06-151-11					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	0.83	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27S-061118**					
Laboratory ID:	06-151-11					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	13	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*106*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27I-061118**					
Laboratory ID:	06-151-12					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	0.34	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	2.3	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW27I-061118**					
Laboratory ID:	06-151-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	23	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SSC1-061118**					
Laboratory ID:	06-151-13					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	0.38	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SSC1-061118**					
Laboratory ID:	06-151-13					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	41	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
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Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-061218**					
Laboratory ID:	06-151-14					
Dichlorodifluoromethane	ND	5.4	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	30	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	9.0	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	20	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	38	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	28	4.0	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	250	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	4.0	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35I-061218**					
Laboratory ID:	06-151-14					
1,1,2-Trichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	690	4.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	20	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	5.6	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	20	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-061218**					
Laboratory ID:	06-151-15					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35D-061218**					
Laboratory ID:	06-151-15					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	6.1	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-061218**					
Laboratory ID:	06-151-16					
Dichlorodifluoromethane	ND	14	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	75	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	23	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	50	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	95	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	50	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	16	10	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	4.0	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	250	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	50	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW35S-061218**					
Laboratory ID:	06-151-16					
1,1,2-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	990	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	50	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	14	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218**					
Laboratory ID:	06-151-17					
Dichlorodifluoromethane	ND	270	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1500	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	450	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1000	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1900	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1000	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	810	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1000	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218**					
Laboratory ID:	06-151-17					
1,1,2-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	24000	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1000	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	280	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*104*	*78-125*				

Date of Report: June 19, 2018
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Laboratory Reference: 1806-151
Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218 DUP**					
Laboratory ID:	06-151-18					
Dichlorodifluoromethane	ND	270	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1500	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	450	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1000	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1900	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1000	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	680	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1000	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	200	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34I-061218 DUP**					
Laboratory ID:	06-151-18					
1,1,2-Trichloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	19000	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	200	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1000	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	280	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1000	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	200	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
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Project: 105-003

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-061218**					
Laboratory ID:	06-151-19					
Dichlorodifluoromethane	ND	2.7	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	15	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	4.5	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	19	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	20	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34S-061218**					
Laboratory ID:	06-151-19					
1,1,2-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	410	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	2.8	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-061218**					
Laboratory ID:	06-151-20					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	0.26	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW34D-061218**					
Laboratory ID:	06-151-20					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-061218**					
Laboratory ID:	06-151-21					
Dichlorodifluoromethane	ND	2.7	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	15	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	4.5	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	19	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	4.4	2.0	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.81	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	17	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	2.0	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33I-061218**					
Laboratory ID:	06-151-21					
1,1,2-Trichloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	360	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	2.8	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*102*	*78-125*				

Date of Report: June 19, 2018
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-061218**					
Laboratory ID:	06-151-22					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33D-061218**					
Laboratory ID:	06-151-22					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	0.20	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-061218**					
Laboratory ID:	06-151-23					
Dichlorodifluoromethane	ND	14	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	75	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	23	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	50	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	95	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	50	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	15	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	50	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	10	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW33S-061218**					
Laboratory ID:	06-151-23					
1,1,2-Trichloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	1400	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	10	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	50	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	14	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	50	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	10	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-061218**					
Laboratory ID:	06-151-24					
Dichlorodifluoromethane	ND	0.54	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	3.0	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.90	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	3.8	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	3.6	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	2.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.40	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SCC3-061218**					
Laboratory ID:	06-151-24					
1,1,2-Trichloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	52	0.40	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	2.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.56	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	2.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.40	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tripblank-061218**					
Laboratory ID:	06-151-25					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.081	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**tripblank-061218**					
Laboratory ID:	06-151-25					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*75-127*				
Toluene-d8	*104*	*80-127*				
4-Bromofluorobenzene	*103*	*78-125*				

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METHOD BLANK QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0615W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloromethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromomethane	ND	0.33	EPA 8260C	6-15-18	6-15-18	
Chloroethane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Iodomethane	ND	1.6	EPA 8260C	6-15-18	6-15-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chloroform	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Trichloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromomethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-15-18	6-15-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-15-18	6-15-18	

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0615W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Bromoform	ND	1.0	EPA 8260C	6-15-18	6-15-18	
Bromobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichloropropane	ND	0.27	EPA 8260C	6-15-18	6-15-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-15-18	6-15-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-15-18	6-15-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0618W1					
Dichlorodifluoromethane	ND	0.27	EPA 8260C	6-18-18	6-18-18	
Chloromethane	ND	1.5	EPA 8260C	6-18-18	6-18-18	
Vinyl Chloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromomethane	ND	0.45	EPA 8260C	6-18-18	6-18-18	
Chloroethane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Iodomethane	ND	1.9	EPA 8260C	6-18-18	6-18-18	
Methylene Chloride	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chloroform	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Trichloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromomethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromodichloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	6-18-18	6-18-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	6-18-18	6-18-18	

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0618W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Dibromochloromethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Chlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Bromoform	ND	1.0	EPA 8260C	6-18-18	6-18-18	
Bromobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichloropropane	ND	0.28	EPA 8260C	6-18-18	6-18-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	6-18-18	6-18-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	6-18-18	6-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0615W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.48**	**9.07**	10.0	10.0	95	91	62-129	4	15	
Benzene	**9.29**	**8.89**	10.0	10.0	93	89	77-127	4	15	
Trichloroethene	**10.0**	**9.46**	10.0	10.0	100	95	70-120	6	15	
Toluene	**10.4**	**9.72**	10.0	10.0	104	97	82-123	7	15	
Chlorobenzene	**10.3**	**9.75**	10.0	10.0	103	98	79-120	5	15	
Surrogate:										
Dibromofluoromethane					*87*	*88*	*75-127*			
Toluene-d8					*98*	*98*	*80-127*			
4-Bromofluorobenzene					*98*	*98*	*78-125*			

Date of Report: June 19, 2018
Samples Submitted: June 13, 2018
Laboratory Reference: 1806-151
Project: 105-003

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0618W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.38**	**9.24**	10.0	10.0	94	92	62-129	2	15	
Benzene	**9.29**	**9.09**	10.0	10.0	93	91	77-127	2	15	
Trichloroethene	**9.97**	**9.63**	10.0	10.0	100	96	70-120	3	15	
Toluene	**10.3**	**9.94**	10.0	10.0	103	99	82-123	4	15	
Chlorobenzene	**10.2**	**9.77**	10.0	10.0	102	98	79-120	4	15	
Surrogate:										
Dibromofluoromethane					*84*	*89*	*75-127*			
Toluene-d8					*97*	*99*	*80-127*			
4-Bromofluorobenzene					*98*	*99*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt / M. Black

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 06-151

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	MW30S-061118	6-11-18	0915	GW	3						X																
2	MW30I-061118		0955								X																
3	MW30D-061118		1100								X																
4	MW21D-061118		1200								X																
5	MW21S-061118		1230								X																
6	MW22-061118		1305								X																
7	MW17-061118		1340								X																
8	MW31S-061118		1415								X																
9	MW31I-061118		1440								X																
10	MW31D-061118	↓	1520	↓	↓						X																

	Signature	Company	Date	Time
Relinquished		Pacific Crest	6-13-18	1148
Received		Alpha Courier	6-13-18	1148
Relinquished		Alpha Courier	6-13-18	1602
Received		CORE	6/13/18	1602
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

wcarroll@arrowenv.com
mblack@pcenv.com
struitt@pcenv.com

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt / M. Black

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☑ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 06-151

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
11	MW27S-061118	6-11-18	1610*	GW	3						X																
12	MW27I-061118	"	1635	"	3						X																
13	SSC1-061118	"	1755	"	3						X																
14	MW35I-061218	6-12-18	0915	GW	3						X																
15	MW35D-061218	"	1020	"	3						X																
16	MW35S-061218	"	1135	"	3						X																
17	MW34I-061218	"	1305	"	3						X																
18	MW34I-061218 DUP	"	1308	"	3						X																
19	MW34S-061218	"	1350	"	3						X																
20	MW34D-061218	"	1435	"	3						X																

	Signature	Company	Date	Time
Relinquished		Pacific Crest	6-13-18	1148
Received		Alpha Courier	6-13-18	1148
Relinquished		Alpha Courier	6-13-18	1602
Received		COE	6/13/18	1602
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* label initially said 1410 for sample time - it is crossed out & now reads 1610 (correct time)

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest Env.
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt / M. Black

Turnaround Request (in working days)

(Check One)

- ☐ Same Day ☐ 1 Day
- ☐ 2 Days ☐ 3 Days
- ☑ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 06-151

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
21	MW33I-061218	6-12-18	1520	GW	3						X																
22	MW33D-061218		1605		3						X																
23	MW33S-061218		1645		3						X																
24	SCC3-061218		1812		3						X																
25	tripblank-061218	6-12-18	0900	GW	2																						

	Signature	Company	Date	Time
Relinquished		Pacific Crest	6-13-18	1148
Received		Alpha Courier	6-13-18	1148
Relinquished		Alpha courier	6-13-18	1602
Received		ORE	6/13/18	1602
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 18, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003 Task 23
Laboratory Reference No. 1807-105

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on July 17, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-105
Project: 105-003 Task 23

Case Narrative

Samples were collected on July 17, 2018 and received by the laboratory on July 17, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-105
Project: 105-003 Task 23

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-17.0-17.75**					
Laboratory ID:	07-105-01					
Dichlorodifluoromethane	ND	0.0026	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.010	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0075	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0075	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0075	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-105
Project: 105-003 Task 23

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-17.0-17.75**					
Laboratory ID:	07-105-01					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0075	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0075	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0075	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*68-139*				
Toluene-d8	*100*	*79-128*				
4-Bromofluorobenzene	*98*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-17.75-18.5**					
Laboratory ID:	07-105-02					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0047	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0047	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0047	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-17.75-18.5**					
Laboratory ID:	07-105-02					
1,1,2-Trichloroethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0047	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.00094	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*68-139*				
Toluene-d8	*99*	*79-128*				
4-Bromofluorobenzene	*98*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-40.0-40.75**					
Laboratory ID:	07-105-03					
Dichlorodifluoromethane	ND	0.0019	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0076	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	0.0082	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-40.0-40.75**					
Laboratory ID:	07-105-03					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.040	0.0011	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*68-139*				
Toluene-d8	*96*	*79-128*				
4-Bromofluorobenzene	*93*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-40.0-40.75 DUP**					
Laboratory ID:	07-105-04					
Dichlorodifluoromethane	ND	0.0029	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.011	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0084	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0084	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0084	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	0.0092	0.0017	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0084	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-40.0-40.75 DUP**					
Laboratory ID:	07-105-04					
1,1,2-Trichloroethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.047	0.0017	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0084	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0084	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0084	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*68-139*				
Toluene-d8	*102*	*79-128*				
4-Bromofluorobenzene	*99*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-40.75-41.5**					
Laboratory ID:	07-105-05					
Dichlorodifluoromethane	ND	0.0022	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0089	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0065	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0065	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0065	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0065	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB4-071718-40.75-41.5**					
Laboratory ID:	07-105-05					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.0021	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0065	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0065	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0065	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*68-139*				
Toluene-d8	*98*	*79-128*				
4-Bromofluorobenzene	*99*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-105
Project: 105-003 Task 23

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0717S1					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0068	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-105
Project: 105-003 Task 23

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0717S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*68-139*				
Toluene-d8	*101*	*79-128*				
4-Bromofluorobenzene	*101*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-105
Project: 105-003 Task 23

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0717S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0479**	**0.0472**	0.0500	0.0500	96	94	53-141	1	17	
Benzene	**0.0514**	**0.0507**	0.0500	0.0500	103	101	70-130	1	15	
Trichloroethene	**0.0540**	**0.0558**	0.0500	0.0500	108	112	74-122	3	16	
Toluene	**0.0549**	**0.0547**	0.0500	0.0500	110	109	76-130	0	15	
Chlorobenzene	**0.0498**	**0.0509**	0.0500	0.0500	100	102	75-120	2	14	
Surrogate:										
Dibromofluoromethane					*94*	*91*	*68-139*			
Toluene-d8					*101*	*96*	*79-128*			
4-Bromofluorobenzene					*96*	*96*	*71-132*			

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-105
Project: 105-003 Task 23

% MOISTURE

Date Analyzed: 7-17-18

Client ID	Lab ID	% Moisture
CSB4-071718-17.0-17.75	07-105-01	13
CSB4-071718-17.75-18.5	07-105-02	15
CSB4-071718-40.0-40.75	07-105-03	15
CSB4-071718-40.0-40.75 DUP	07-105-04	12
CSB4-071718-40.75-41.5	07-105-05	13

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 07-105

Company: PACIFIC
Project Number: 105-003 TASK 23
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: M BLACK

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☒ 2 Days
- ☒ 3 Days — BY END OF DAY 7/20
- ☐ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

NO

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	CSB4-071718-17.0-17.75	7/17/18	0855	SOIL	4						X																X
2	CSB4-071718-17.75-18.5		0858		4						X																
3	CSB4-071718-40.0-40.75		0945								X																
4	CSB4-071718-40.0-40.75DUP		0950								X																
5	CSB4-071718-40.75-41.5		0955								X																

	Signature	Company	Date	Time
Relinquished		PACIFIC CREST	7/17/18	1243
Received		CORE	7/17/18	1243
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

PLEASE CC RESULTS TO
JHARRINGTON@PCENV.COM
MBLACK@PCENV.COM

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 18, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003 Task 23
Laboratory Reference No. 1807-099

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on July 17, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

Case Narrative

Samples were collected on July 16, 2018 and received by the laboratory on July 17, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-14.0-15.0**					
Laboratory ID:	07-099-02					
Dichlorodifluoromethane	ND	0.0023	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0091	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0067	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0067	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0067	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0067	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-14.0-15.0**					
Laboratory ID:	07-099-02					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0067	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0067	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0067	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*68-139*				
Toluene-d8	*100*	*79-128*				
4-Bromofluorobenzene	*99*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-15.0-16.0**					
Laboratory ID:	07-099-03					
Dichlorodifluoromethane	ND	0.0022	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0087	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-15.0-16.0**					
Laboratory ID:	07-099-03					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0064	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*68-139*				
Toluene-d8	*100*	*79-128*				
4-Bromofluorobenzene	*96*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-45.0-45.75**					
Laboratory ID:	07-099-04					
Dichlorodifluoromethane	ND	0.0019	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0076	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	0.020	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-45.0-45.75**					
Laboratory ID:	07-099-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.14	0.0011	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0056	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*68-139*				
Toluene-d8	*96*	*79-128*				
4-Bromofluorobenzene	*99*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-45.75-46.5**					
Laboratory ID:	07-099-05					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0073	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0054	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0054	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0054	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	0.015	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB2-071618-45.75-46.5**					
Laboratory ID:	07-099-05					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.14	0.0011	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0054	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0054	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*68-139*				
Toluene-d8	*94*	*79-128*				
4-Bromofluorobenzene	*96*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB3-071618-5.0-10.0**					
Laboratory ID:	07-099-06					
Dichlorodifluoromethane	ND	0.0022	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0090	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0066	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0066	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0066	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	0.0024	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0066	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB3-071618-5.0-10.0**					
Laboratory ID:	07-099-06					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.0080	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0066	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0066	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0066	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-139*				
Toluene-d8	*98*	*79-128*				
4-Bromofluorobenzene	*96*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB3-071618-50.0-51.5**					
Laboratory ID:	07-099-08					
Dichlorodifluoromethane	ND	0.0024	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0096	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0071	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0071	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0071	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	0.0033	0.0014	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0071	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB3-071618-50.0-51.5**					
Laboratory ID:	07-099-08					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.15	0.0014	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0071	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0071	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0071	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-139*				
Toluene-d8	*98*	*79-128*				
4-Bromofluorobenzene	*93*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB3-071618-55.0-56.25**					
Laboratory ID:	07-099-09					
Dichlorodifluoromethane	ND	0.0028	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.011	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0081	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0081	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0081	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0081	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB3-071618-55.0-56.25**					
Laboratory ID:	07-099-09					
1,1,2-Trichloroethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	0.089	0.0016	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0081	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0081	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0081	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0016	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*68-139*				
Toluene-d8	*97*	*79-128*				
4-Bromofluorobenzene	*98*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0717S1					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	7-17-18	7-17-18	
Chloromethane	ND	0.0068	EPA 8260C	7-17-18	7-17-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromomethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Chloroethane	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Iodomethane	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
Methylene Chloride	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromochloromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Chloroform	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Trichloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Dibromomethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0717S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Chlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Bromoform	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
Bromobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-17-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-17-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*91*	*68-139*				
Toluene-d8	*101*	*79-128*				
4-Bromofluorobenzene	*101*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0717S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0479**	**0.0472**	0.0500	0.0500	96	94	53-141	1	17	
Benzene	**0.0514**	**0.0507**	0.0500	0.0500	103	101	70-130	1	15	
Trichloroethene	**0.0540**	**0.0558**	0.0500	0.0500	108	112	74-122	3	16	
Toluene	**0.0549**	**0.0547**	0.0500	0.0500	110	109	76-130	0	15	
Chlorobenzene	**0.0498**	**0.0509**	0.0500	0.0500	100	102	75-120	2	14	
Surrogate:										
Dibromofluoromethane					*94*	*91*	*68-139*			
Toluene-d8					*101*	*96*	*79-128*			
4-Bromofluorobenzene					*96*	*96*	*71-132*			

Date of Report: July 18, 2018
Samples Submitted: July 17, 2018
Laboratory Reference: 1807-099
Project: 105-003 Task 23

% MOISTURE

Date Analyzed: 7-17-18

Client ID	Lab ID	% Moisture
CSB2-071618-14.0-15.0	07-099-02	14
CSB2-071618-15.0-16.0	07-099-03	13
CSB2-071618-45.0-45.75	07-099-04	12
CSB2-071618-45.75-46.5	07-099-05	13
CSB3-071618-5.0-10.0	07-099-06	24
CSB3-071618-50.0-51.5	07-099-08	14
CSB3-071618-55.0-56.25	07-099-09	14

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 07-099

Company: PACIFIC CREST
Project Number: 105-003 TASK 23
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: M BLACK

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days – ~~BY THURSDAY (7/19/18)~~ DB
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx	Volatiles 8260C	Halogenated Volatiles 8260C	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	CSB2-071618-5.0-10.0	7/16/18	1235	SOIL	4						X NO			X 7/16/18								
2	CSB2-071618-14.0-15.0		1245								X											X
3	CSB2-071618-15.0-16.0		1248								X											
4	CSB2-071618-45.0-45.75		1345								X											
5	CSB2-071618-45.75-46.5		1348								X											
6	CSB3-071618-5.0-10.0		0935								X											↓
7	CSB3-071618-15.0-20.0		0945																			
8	CSB3-071618-50.0-51.5		0948								X											X
9	CSB3-071618-55.0-56.5		1025								X											↓

	Signature	Company	Date	Time
Relinquished	[signature]	Pacific Crest	7-17-18	0916
Received	[signature]	Speedy Messenger	7-17-18	0916
Relinquished	[signature]	" "	" "	1055
Received	[signature]	[illegible]	7/17/18	1055
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
PLEASE CC RESULTS TO
JHARRINGTON@PCENV.COM
MBLACK@PCENV.COM

Chromatograms with final report ☐

Data Package: Standard ☐ Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☐ _____

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 18, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1807-093

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on July 16, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 18, 2018
Samples Submitted: July 16, 2018
Laboratory Reference: 1807-093
Project: 105-003

Case Narrative

Samples were collected on July 14, and15, 2018 and received by the laboratory on July 16, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Volatiles EPA 8260C Analysis

A 4-ounce jar was not provided for the dry weight analysis of sample CSB6-071418-35.5-36.0; the sample results are therefore based on wet-weight.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: July 18, 2018
Samples Submitted: July 16, 2018
Laboratory Reference: 1807-093
Project: 105-003

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-10.0-11.0**					
Laboratory ID:	07-093-01					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0065	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0021	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0047	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.0090	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0047	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0079	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	

Date of Report: July 18, 2018
Samples Submitted: July 16, 2018
Laboratory Reference: 1807-093
Project: 105-003

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-10.0-11.0**					
Laboratory ID:	07-093-01					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	0.0094	0.00093	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0047	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*68-139*				
Toluene-d8	*97*	*79-128*				
4-Bromofluorobenzene	*94*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 16, 2018
Laboratory Reference: 1807-093
Project: 105-003

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-15.0-15.75**					
Laboratory ID:	07-093-02					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0077	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0025	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.011	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0093	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-15.0-15.75**					
Laboratory ID:	07-093-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	0.016	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*68-139*				
Toluene-d8	*97*	*79-128*				
4-Bromofluorobenzene	*93*	*71-132*				

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Samples Submitted: July 16, 2018
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-15.75-16.5**					
Laboratory ID:	07-093-03					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0069	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0023	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0049	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.0096	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0049	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0084	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-15.75-16.5**					
Laboratory ID:	07-093-03					
1,1,2-Trichloroethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0049	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.00099	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*68-139*				
Toluene-d8	*99*	*79-128*				
4-Bromofluorobenzene	*95*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-40.0-40.75**					
Laboratory ID:	07-093-04					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0077	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0025	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.011	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0093	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-40.0-40.75**					
Laboratory ID:	07-093-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	0.0033	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0055	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*106*	*68-139*				
Toluene-d8	*100*	*79-128*				
4-Bromofluorobenzene	*99*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-40.75-41.5**					
Laboratory ID:	07-093-05					
Dichlorodifluoromethane	ND	0.0022	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0098	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0032	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0070	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.014	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0070	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB1-071518-40.75-41.5**					
Laboratory ID:	07-093-05					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	0.0032	0.0014	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0070	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0070	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0070	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*68-139*				
Toluene-d8	*95*	*79-128*				
4-Bromofluorobenzene	*92*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-25.0-25.5**					
Laboratory ID:	07-093-07					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0064	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0021	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0046	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.0089	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0046	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0078	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-25.0-25.5**					
Laboratory ID:	07-093-07					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	0.0021	0.00091	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0046	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*68-139*				
Toluene-d8	*93*	*79-128*				
4-Bromofluorobenzene	*96*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-25.5-26.5**					
Laboratory ID:	07-093-08					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0075	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0025	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0053	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.010	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0053	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0091	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-25.5-26.5**					
Laboratory ID:	07-093-08					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0053	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0053	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*68-139*				
Toluene-d8	*99*	*79-128*				
4-Bromofluorobenzene	*99*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-35.75-36.5**					
Laboratory ID:	07-093-09					
Dichlorodifluoromethane	ND	0.0023	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.010	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0033	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0071	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.014	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0071	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-35.75-36.5**					
Laboratory ID:	07-093-09					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0071	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0071	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0071	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*68-139*				
Toluene-d8	*95*	*79-128*				
4-Bromofluorobenzene	*95*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-35.0-35.75**					
Laboratory ID:	07-093-10					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0080	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0026	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0057	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.011	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0057	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0097	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB5-071418-35.0-35.75**					
Laboratory ID:	07-093-10					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0057	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0057	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-139*				
Toluene-d8	*99*	*79-128*				
4-Bromofluorobenzene	*98*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-5.0-5.5**					
Laboratory ID:	07-093-12					
Dichlorodifluoromethane	ND	0.0024	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.010	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0034	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0074	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.014	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0074	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.013	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-5.0-5.5**					
Laboratory ID:	07-093-12					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	0.057	0.0015	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0074	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0074	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0074	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-139*				
Toluene-d8	*95*	*79-128*				
4-Bromofluorobenzene	*95*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-5.5-6.5**					
Laboratory ID:	07-093-13					
Dichlorodifluoromethane	ND	0.0022	EPA 8260C	7-16-18	7-17-18	
Chloromethane	ND	0.0087	EPA 8260C	7-16-18	7-17-18	
Vinyl Chloride	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Bromomethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Chloroethane	ND	0.0064	EPA 8260C	7-16-18	7-17-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Iodomethane	ND	0.0064	EPA 8260C	7-16-18	7-17-18	
Methylene Chloride	ND	0.0064	EPA 8260C	7-16-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Bromochloromethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Chloroform	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Trichloroethene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Dibromomethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Bromodichloromethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260C	7-16-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-5.5-6.5**					
Laboratory ID:	07-093-13					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Tetrachloroethene	0.060	0.0013	EPA 8260C	7-16-18	7-17-18	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Dibromochloromethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Chlorobenzene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Bromoform	ND	0.0064	EPA 8260C	7-16-18	7-17-18	
Bromobenzene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
2-Chlorotoluene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
4-Chlorotoluene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260C	7-16-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Hexachlorobutadiene	ND	0.0064	EPA 8260C	7-16-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	7-16-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*68-139*				
Toluene-d8	*95*	*79-128*				
4-Bromofluorobenzene	*98*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-35.0-35.5**					
Laboratory ID:	07-093-15					
Dichlorodifluoromethane	ND	0.0024	EPA 8260C	7-16-18	7-17-18	
Chloromethane	ND	0.0097	EPA 8260C	7-16-18	7-17-18	
Vinyl Chloride	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Bromomethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Chloroethane	ND	0.0071	EPA 8260C	7-16-18	7-17-18	
Trichlorofluoromethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Iodomethane	ND	0.0071	EPA 8260C	7-16-18	7-17-18	
Methylene Chloride	ND	0.0071	EPA 8260C	7-16-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
2,2-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Bromochloromethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Chloroform	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,1,1-Trichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Carbon Tetrachloride	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,2-Dichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Trichloroethene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,2-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Dibromomethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Bromodichloromethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0071	EPA 8260C	7-16-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-35.0-35.5**					
Laboratory ID:	07-093-15					
1,1,2-Trichloroethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Tetrachloroethene	0.0069	0.0014	EPA 8260C	7-16-18	7-17-18	
1,3-Dichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Dibromochloromethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,2-Dibromoethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Chlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Bromoform	ND	0.0071	EPA 8260C	7-16-18	7-17-18	
Bromobenzene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,2,3-Trichloropropane	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
2-Chlorotoluene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
4-Chlorotoluene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,3-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,4-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,2-Dichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0071	EPA 8260C	7-16-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Hexachlorobutadiene	ND	0.0071	EPA 8260C	7-16-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.0014	EPA 8260C	7-16-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*68-139*				
Toluene-d8	*97*	*79-128*				
4-Bromofluorobenzene	*97*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-35.5-36.0**					
Laboratory ID:	07-093-16					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	7-16-18	7-17-18	
Chloromethane	ND	0.0066	EPA 8260C	7-16-18	7-17-18	
Vinyl Chloride	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Bromomethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Chloroethane	ND	0.0048	EPA 8260C	7-16-18	7-17-18	
Trichlorofluoromethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloroethene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Iodomethane	ND	0.0048	EPA 8260C	7-16-18	7-17-18	
Methylene Chloride	ND	0.0048	EPA 8260C	7-16-18	7-17-18	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloroethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
2,2-Dichloropropane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Bromochloromethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Chloroform	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Carbon Tetrachloride	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,1-Dichloropropene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,2-Dichloroethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Trichloroethene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,2-Dichloropropane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Dibromomethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Bromodichloromethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260C	7-16-18	7-17-18	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB6-071418-35.5-36.0**					
Laboratory ID:	07-093-16					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Tetrachloroethene	0.0066	0.00097	EPA 8260C	7-16-18	7-17-18	
1,3-Dichloropropane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Dibromochloromethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,2-Dibromoethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Chlorobenzene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Bromoform	ND	0.0048	EPA 8260C	7-16-18	7-17-18	
Bromobenzene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
2-Chlorotoluene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
4-Chlorotoluene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260C	7-16-18	7-17-18	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Hexachlorobutadiene	ND	0.0048	EPA 8260C	7-16-18	7-17-18	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260C	7-16-18	7-17-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-139*				
Toluene-d8	*99*	*79-128*				
4-Bromofluorobenzene	*94*	*71-132*				

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METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0716S1					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	7-16-18	7-16-18	
Chloromethane	ND	0.0070	EPA 8260C	7-16-18	7-16-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Bromomethane	ND	0.0023	EPA 8260C	7-16-18	7-16-18	
Chloroethane	ND	0.0050	EPA 8260C	7-16-18	7-16-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Iodomethane	ND	0.0097	EPA 8260C	7-16-18	7-16-18	
Methylene Chloride	ND	0.0050	EPA 8260C	7-16-18	7-16-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Bromochloromethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Chloroform	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Trichloroethene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Dibromomethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0085	EPA 8260C	7-16-18	7-16-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0716S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Chlorobenzene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Bromoform	ND	0.0050	EPA 8260C	7-16-18	7-16-18	
Bromobenzene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	7-16-18	7-16-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	7-16-18	7-16-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	7-16-18	7-16-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-139*				
Toluene-d8	*100*	*79-128*				
4-Bromofluorobenzene	*100*	*71-132*				

Date of Report: July 18, 2018
Samples Submitted: July 16, 2018
Laboratory Reference: 1807-093
Project: 105-003

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0716S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0458**	**0.0473**	0.0500	0.0500	92	95	53-141	3	17	
Benzene	**0.0473**	**0.0495**	0.0500	0.0500	95	99	70-130	5	15	
Trichloroethene	**0.0491**	**0.0490**	0.0500	0.0500	98	98	74-122	0	16	
Toluene	**0.0502**	**0.0507**	0.0500	0.0500	100	101	76-130	1	15	
Chlorobenzene	**0.0471**	**0.0480**	0.0500	0.0500	94	96	75-120	2	14	
Surrogate:										
Dibromofluoromethane					*96*	*96*	*68-139*			
Toluene-d8					*101*	*100*	*79-128*			
4-Bromofluorobenzene					*100*	*104*	*71-132*			

Date of Report: July 18, 2018
Samples Submitted: July 16, 2018
Laboratory Reference: 1807-093
Project: 105-003

% MOISTURE

Date Analyzed: 7-17-18

Client ID	Lab ID	% Moisture
CSB1-071518-10.0-11.0	07-093-01	10
CSB1-071518-15.0-15.75	07-093-02	15
CSB1-071518-15.75-16.5	07-093-03	14
CSB1-071518-40.0-40.75	07-093-04	12
CSB1-071518-40.75-41.5	07-093-05	26
CSB5-071418-25.0-25.5	07-093-07	12
CSB5-071418-25.5-26.5	07-093-08	12
CSB5-071418-35.75-36.5	07-093-09	22
CSB5-071418-35.0-35.75	07-093-10	21
CSB6-071418-5.0-5.5	07-093-12	6
CSB6-071418-5.5-6.5	07-093-13	8
CSB6-071418-35.0-35.5	07-093-15	28

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 07-093 07-093

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Hold				% Moisture
1	CSB1-071518-10.0-11.0	7-15-18	0750	Soil	4						X																b
2	CSB1-071518-15.0-15.75	7-15-18	0805								X																	
3	CSB1-071518-15.75-16.5	7-15-18	0810								X																	
4	CSB1-071518-40.0-40.75	7-15-18	0850								X																	
5	CSB1-071518-40.75-41.5	7-15-18	0855								X																	
H 6	CSB1-071518-45.0-46.5	7-15-18	0915								X												X					
7	CSB5-071418-25.0-25.5	7-14-18	1445								X																b	
8	CSB5-071418-25.5-26.5	7-14-18	1450								X																	
9	CSB5-071418-35.75-36.5	7-14-18	1530	↓	↓						X																	
~~10~~	~~CSB5-071418-35.0-35.75~~	~~7-14-18~~																										

	Signature	Company	Date	Time
Relinquished	Ethan Hahn	PCenv	7-16-18	1038
Received	Eileen Clark	Alpha	7-16-18	10:38
Relinquished	Eileen Clark	Alpha	7-16-18	11:23
Received		ORS	7/16/18	1123
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
wcarroll@arrowenv.com
mblack@pcenv.com
struitt@pcenv.com
by Thurs @ 5pm

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

Page 2 of 2

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 07-093

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Hold				% Moisture
10	CSBS-071418-35.0-35.75	7-14-18	1535	Soil	4						X																16
11	CSBS-071418-40.0-41.0	7-14-18	1605		4						X												X				
12	CSB6-071418-5.0-5.5	7-14-18	1015		4						X																16
13	CSB6-071418-5.5-6.5	7-14-18	1020		4						X																16
14	CSB6-071418-10.0-11.5	7-14-18	1035		4						X												X				
15	CSB6-071418-35.0-35.5	7-14-18	1120		4						X																16
16	CSB6-071418-35.5-36.0	7-14-18	1125		3						X																~~16~~ 23
17	CSB6-071418-40.0-41.5	7-14-18	1200	↓	4						X												X				

	Signature	Company	Date	Time
Relinquished	[signature]	PCEnv	7-16-18	1038
Received	Eileen Clark	Alpha	7-16-18	10:38
Relinquished	Eileen Clark	Alpha	7-16-18	11:23
Received	[signature]	CDS	7/16/18	1123
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 29, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003 Task 23
Laboratory Reference No. 1808-299

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on August 27, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

Case Narrative

Samples were collected on August 25, 2018 and received by the laboratory on August 27, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB7-082518-5.0-5.5**					
Laboratory ID:	08-299-01					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chloromethane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Vinyl Chloride	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromomethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chloroethane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Iodomethane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Methylene Chloride	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromochloromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chloroform	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Trichloroethene	0.0016	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Dibromomethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromodichloromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB7-082518-5.0-5.5**					
Laboratory ID:	08-299-01					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Tetrachloroethene	0.036	0.0013	EPA 8260C	8-28-18	8-28-18	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Dibromochloromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromoform	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Bromobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
2-Chlorotoluene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
4-Chlorotoluene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Hexachlorobutadiene	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*68-139*				
Toluene-d8	*110*	*79-128*				
4-Bromofluorobenzene	*110*	*71-132*				

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB7-082518-6.0-6.5**					
Laboratory ID:	08-299-02					
Dichlorodifluoromethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Chloromethane	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
Vinyl Chloride	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Bromomethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Chloroethane	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
Trichlorofluoromethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Iodomethane	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
Methylene Chloride	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
(trans) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
2,2-Dichloropropane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
(cis) 1,2-Dichloroethene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Bromochloromethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Chloroform	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,1,1-Trichloroethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Carbon Tetrachloride	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloropropene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloroethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Trichloroethene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloropropane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Dibromomethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Bromodichloromethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
(cis) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
(trans) 1,3-Dichloropropene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB7-082518-6.0-6.5**					
Laboratory ID:	08-299-02					
1,1,2-Trichloroethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Tetrachloroethene	0.045	0.0015	EPA 8260C	8-28-18	8-28-18	
1,3-Dichloropropane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Dibromochloromethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromoethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Chlorobenzene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Bromoform	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
Bromobenzene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichloropropane	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
2-Chlorotoluene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
4-Chlorotoluene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,3-Dichlorobenzene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,4-Dichlorobenzene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,2-Dichlorobenzene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
1,2,4-Trichlorobenzene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Hexachlorobutadiene	ND	0.0076	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichlorobenzene	ND	0.0015	EPA 8260C	8-28-18	8-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*68-139*				
Toluene-d8	*112*	*79-128*				
4-Bromofluorobenzene	*107*	*71-132*				

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
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Project: 105-003 Task 23

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB8-082518-45.0-45.75**					
Laboratory ID:	08-299-03					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chloromethane	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromomethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chloroethane	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Iodomethane	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
Methylene Chloride	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromochloromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chloroform	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Trichloroethene	0.0042	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Dibromomethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB8-082518-45.0-45.75**					
Laboratory ID:	08-299-03					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Tetrachloroethene	0.019	0.0011	EPA 8260C	8-28-18	8-28-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromoform	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
Bromobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Hexachlorobutadiene	ND	0.0054	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*68-139*				
Toluene-d8	*113*	*79-128*				
4-Bromofluorobenzene	*109*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB8-082518-45.75-46.5**					
Laboratory ID:	08-299-04					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Chloromethane	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
Vinyl Chloride	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Bromomethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Chloroethane	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
Trichlorofluoromethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Iodomethane	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
Methylene Chloride	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
(trans) 1,2-Dichloroethene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
2,2-Dichloropropane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
(cis) 1,2-Dichloroethene	0.0016	0.0016	EPA 8260C	8-28-18	8-28-18	
Bromochloromethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Chloroform	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,1,1-Trichloroethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Carbon Tetrachloride	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloropropene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloroethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Trichloroethene	0.017	0.0016	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloropropane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Dibromomethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Bromodichloromethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
(cis) 1,3-Dichloropropene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
(trans) 1,3-Dichloropropene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB8-082518-45.75-46.5**					
Laboratory ID:	08-299-04					
1,1,2-Trichloroethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Tetrachloroethene	0.055	0.0016	EPA 8260C	8-28-18	8-28-18	
1,3-Dichloropropane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Dibromochloromethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromoethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Chlorobenzene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Bromoform	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
Bromobenzene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichloropropane	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
2-Chlorotoluene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
4-Chlorotoluene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,3-Dichlorobenzene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,4-Dichlorobenzene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,2-Dichlorobenzene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
1,2,4-Trichlorobenzene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Hexachlorobutadiene	ND	0.0080	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichlorobenzene	ND	0.0016	EPA 8260C	8-28-18	8-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*68-139*				
Toluene-d8	*111*	*79-128*				
4-Bromofluorobenzene	*105*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB9-082518-52.0-52.5**					
Laboratory ID:	08-299-05					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chloromethane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Vinyl Chloride	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromomethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chloroethane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Iodomethane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Methylene Chloride	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
(trans) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
2,2-Dichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
(cis) 1,2-Dichloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromochloromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chloroform	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1,1-Trichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Carbon Tetrachloride	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloropropene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Trichloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Dibromomethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromodichloromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
(cis) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
(trans) 1,3-Dichloropropene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB9-082518-52.0-52.5**					
Laboratory ID:	08-299-05					
1,1,2-Trichloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Tetrachloroethene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,3-Dichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Dibromochloromethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromoethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Chlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Bromoform	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
Bromobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichloropropane	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
2-Chlorotoluene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
4-Chlorotoluene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,3-Dichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,4-Dichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
1,2,4-Trichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Hexachlorobutadiene	ND	0.0064	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichlorobenzene	ND	0.0013	EPA 8260C	8-28-18	8-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*68-139*				
Toluene-d8	*108*	*79-128*				
4-Bromofluorobenzene	*105*	*71-132*				

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB9-082518-54.5-55.0**					
Laboratory ID:	08-299-06					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chloromethane	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromomethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chloroethane	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Iodomethane	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
Methylene Chloride	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromochloromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chloroform	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Trichloroethene	0.0030	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Dibromomethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**CSB9-082518-54.5-55.0**					
Laboratory ID:	08-299-06					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Tetrachloroethene	0.18	0.047	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Chlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Bromoform	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
Bromobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Hexachlorobutadiene	ND	0.0055	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	8-28-18	8-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*68-139*				
Toluene-d8	*109*	*79-128*				
4-Bromofluorobenzene	*111*	*71-132*				

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Samples Submitted: August 27, 2018
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METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0828S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Chloromethane	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Bromomethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Chloroethane	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Iodomethane	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
Methylene Chloride	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Bromochloromethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Chloroform	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Trichloroethene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Dibromomethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0828S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Chlorobenzene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Bromoform	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
Bromobenzene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	8-28-18	8-28-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	8-28-18	8-28-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*68-139*				
Toluene-d8	*110*	*79-128*				
4-Bromofluorobenzene	*108*	*71-132*				

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0829S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Chloromethane	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Bromomethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Chloroethane	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Iodomethane	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
Methylene Chloride	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Bromochloromethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Chloroform	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Trichloroethene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Dibromomethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0829S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Chlorobenzene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Bromoform	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
Bromobenzene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	8-29-18	8-29-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	8-29-18	8-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-139*				
Toluene-d8	*110*	*79-128*				
4-Bromofluorobenzene	*109*	*71-132*				

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0828S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0502**	**0.0520**	0.0500	0.0500	100	104	53-141	4	17	
Benzene	**0.0489**	**0.0484**	0.0500	0.0500	98	97	70-130	1	15	
Trichloroethene	**0.0502**	**0.0501**	0.0500	0.0500	100	100	74-122	0	16	
Toluene	**0.0538**	**0.0515**	0.0500	0.0500	108	103	76-130	4	15	
Chlorobenzene	**0.0494**	**0.0481**	0.0500	0.0500	99	96	75-120	3	14	
Surrogate:										
Dibromofluoromethane					*95*	*97*	*68-139*			
Toluene-d8					*111*	*107*	*79-128*			
4-Bromofluorobenzene					*111*	*108*	*71-132*			
Laboratory ID:	SB0829S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0544**	**0.0551**	0.0500	0.0500	109	110	53-141	1	17	
Benzene	**0.0524**	**0.0522**	0.0500	0.0500	105	104	70-130	0	15	
Trichloroethene	**0.0531**	**0.0512**	0.0500	0.0500	106	102	74-122	4	16	
Toluene	**0.0551**	**0.0549**	0.0500	0.0500	110	110	76-130	0	15	
Chlorobenzene	**0.0501**	**0.0508**	0.0500	0.0500	100	102	75-120	1	14	
Surrogate:										
Dibromofluoromethane					*99*	*100*	*68-139*			
Toluene-d8					*110*	*110*	*79-128*			
4-Bromofluorobenzene					*110*	*108*	*71-132*			

Date of Report: August 29, 2018
Samples Submitted: August 27, 2018
Laboratory Reference: 1808-299
Project: 105-003 Task 23

% MOISTURE

Date Analyzed: 8-28-18

Client ID	Lab ID	% Moisture
CSB7-082518-5.0-5.5	08-299-01	9
CSB7-082518-6.0-6.5	08-299-02	11
CSB8-082518-45.0-45.75	08-299-03	13
CSB8-082518-45.75-46.5	08-299-04	17
CSB9-082518-52.0-52.5	08-299-05	15
CSB9-082518-54.5-55.0	08-299-06	16

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: PACIFIC CREST
Project Number: 105-005 TASK 23
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: M BLACK

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 08-299

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	CSB7 - 092518 - 5.0-5.5	8/25/18	0920	SOIL	4						X																11
2	CSB7 - 092518 - 6.0-6.5		0945								X																5
3	CSB8 - 092518 - 45.0-45.75		0950								X																20
4	CSB8 - 092518 - 45.75-46.5		0955								X																5
5	CSB9 - 092518 - 52.0-52.5		1130								X																15
6	CSB9 - 092518 - 54.5-55.0		1155								X																10

	Signature	Company	Date	Time
Relinquished		PACIFIC CREST	8/27/18	1030
Received		Speedy	8-27-18	1030
Relinquished		Speedy	8-27-18	1120
Received		QSE	8/27/18	1120
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
PLEASE CC RESULTS TO MBLACK@PCENV.COM

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 9, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003 Task 23
Laboratory Reference No. 1804-033

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on April 5, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

Case Narrative

Samples were collected on April 4, 2018 and received by the laboratory on April 5, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE1-040418**					
Laboratory ID:	04-033-01					
Vinyl Chloride	ND	1.0	EPA 8260C	4-5-18	4-5-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Trichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Tetrachloroethene	1.8	1.0	EPA 8260C	4-5-18	4-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE2-040418**					
Laboratory ID:	04-033-02					
Vinyl Chloride	ND	1.0	EPA 8260C	4-5-18	4-5-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Trichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Tetrachloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0405A1					
Vinyl Chloride	ND	1.0	EPA 8260C	4-5-18	4-5-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Trichloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Tetrachloroethene	ND	1.0	EPA 8260C	4-5-18	4-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

VOLATILES EPA 8260C
DUPLICATE QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-033-01							
	ORIG	DUP						
Vinyl Chloride	**ND**	**ND**				NA	30	
(trans) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
(cis) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
Trichloroethene	**ND**	**ND**				NA	30	
Tetrachloroethene	**1.81**	**1.80**				0	30	
Surrogate:								
Dibromofluoromethane			*104*	*104*	*75-127*			
Toluene-d8			*101*	*99*	*80-127*			
4-Bromofluorobenzene			*99*	*98*	*78-125*			

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**WW-040418**					
Laboratory ID:	04-033-03					
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-6-18	4-6-18	
Trichloroethene	ND	0.20	EPA 8260C	4-6-18	4-6-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-6-18	4-6-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*99*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0406W1					
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-6-18	4-6-18	
Trichloroethene	ND	0.20	EPA 8260C	4-6-18	4-6-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-6-18	4-6-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: April 9, 2018
Samples Submitted: April 5, 2018
Laboratory Reference: 1804-033
Project: 105-003 Task 23

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0406W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.96**	**10.1**	10.0	10.0	100	101	63-126	1	21	
Benzene	**10.2**	**10.4**	10.0	10.0	102	104	78-122	2	19	
Trichloroethene	**9.81**	**9.94**	10.0	10.0	98	99	63-120	1	20	
Toluene	**10.3**	**10.4**	10.0	10.0	103	104	79-124	1	19	
Chlorobenzene	**9.31**	**9.48**	10.0	10.0	93	95	78-120	2	19	
Surrogate:										
Dibromofluoromethane					*102*	*103*	*75-127*			
Toluene-d8					*102*	*103*	*80-127*			
4-Bromofluorobenzene					*99*	*99*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 04-033

Company: PACIFIC CREST
Project Number: 105-003 TASK 2B
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: M BLACK

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	SVE1 - 040418	4/4/18	1701	AIR	1						*																
2	SVE2 - 040418	"	1703	AIR	1						*																
3	WW - 040418	"	1710	H_2O	3						X																

	Signature	Company	Date	Time
Relinquished	[signature]	PACIFIC CREST	4/5/18	1005
Received	[signature]	alpha	4/5/18	10:05
Relinquished	[signature]	alpha	4/5/18	11:30
Received	[signature]	OSE	4/5/18	1130
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
* ONLY: PCE; TCE; cis-1,2-DCE; trans-1,2-DCE; VC
X ONLY: PCE; TCE; cis-1,2-DCE
PLEASE CC RESULTS TO MBLACK@PCENV.COM

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 11, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003-T23
Laboratory Reference No. 1806-052

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on June 6, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

Case Narrative

Samples were collected on June 6, 2018 and received by the laboratory on June 6, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE1-060618**					
Laboratory ID:	06-052-01					
Vinyl Chloride	ND	1.0	EPA 8260C	6-7-18	6-7-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Trichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Tetrachloroethene	17	1.0	EPA 8260C	6-7-18	6-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*95*	*80-127*				
4-Bromofluorobenzene	*95*	*78-125*				

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE2-060618**					
Laboratory ID:	06-052-02					
Vinyl Chloride	ND	1.0	EPA 8260C	6-7-18	6-7-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Trichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Tetrachloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0607A1					
Vinyl Chloride	ND	1.0	EPA 8260C	6-7-18	6-7-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Trichloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Tetrachloroethene	ND	1.0	EPA 8260C	6-7-18	6-7-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

VOLATILES EPA 8260C
DUPLICATE QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-052-01							
	ORIG	DUP						
Vinyl Chloride	**ND**	**ND**				NA	30	
(trans) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
(cis) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
Trichloroethene	**ND**	**ND**				NA	30	
Tetrachloroethene	**17.0**	**18.1**				6	30	
Surrogate:								
Dibromofluoromethane			*93*	*91*	*75-127*			
Toluene-d8			*95*	*96*	*80-127*			
4-Bromofluorobenzene			*95*	*92*	*78-125*			

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**WW1-060618**					
Laboratory ID:	06-052-03					
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-8-18	6-8-18	
Trichloroethene	0.68	0.20	EPA 8260C	6-8-18	6-8-18	
Tetrachloroethene	15	0.20	EPA 8260C	6-8-18	6-8-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*97*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0608W1					
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	6-8-18	6-8-18	
Trichloroethene	ND	0.20	EPA 8260C	6-8-18	6-8-18	
Tetrachloroethene	ND	0.20	EPA 8260C	6-8-18	6-8-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*75-127*				
Toluene-d8	*95*	*80-127*				
4-Bromofluorobenzene	*91*	*78-125*				

Date of Report: June 11, 2018
Samples Submitted: June 6, 2018
Laboratory Reference: 1806-052
Project: 105-003-T23

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0608W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**8.80**	**8.58**	10.0	10.0	88	86	62-129	3	15	
Benzene	**9.37**	**9.23**	10.0	10.0	94	92	77-127	2	15	
Trichloroethene	**9.59**	**9.16**	10.0	10.0	96	92	70-120	5	15	
Toluene	**9.42**	**9.30**	10.0	10.0	94	93	82-123	1	15	
Chlorobenzene	**11.0**	**10.7**	10.0	10.0	110	107	79-120	3	15	
Surrogate:										
Dibromofluoromethane					*97*	*99*	*75-127*			
Toluene-d8					*95*	*96*	*80-127*			
4-Bromofluorobenzene					*92*	*93*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 06-052

Company: PACIFIC CREST
Project Number: 105-003 T 23
Project Name: PENTHOUSE
Project Manager: W CARROLL
Sampled by: M BLACK

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, VC	PCE, TCE, cis-1,2-DCE			% Moisture
1	SVE1 - 060618	6/6/18	1214	AIR	1																		X				
2	SVE2 - 060618		1215	AIR	1																		X				
3	WW1 - 060618		1230	H_2O	3																			X			

	Signature	Company	Date	Time
Relinquished		PACIFIC CREST	6/6/18	1325
Received		CDE	6/6/18	1325
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
PLEASE CC RESULTS TO
MBLACK@PCENV.COM

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 9, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1807-009

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on July 3, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

Case Narrative

Samples were collected on July 3, 2018 and received by the laboratory on July 3, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE1-070318**					
Laboratory ID:	07-009-01					
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Trichloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Tetrachloroethene	9.2	1.0	EPA 8260C	7-5-18	7-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*75-127*				
Toluene-d8	*95*	*80-127*				
4-Bromofluorobenzene	*96*	*78-125*				

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE2-070318**					
Laboratory ID:	07-009-02					
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Trichloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Tetrachloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0705A1					
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Trichloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Tetrachloroethene	ND	1.0	EPA 8260C	7-5-18	7-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*75-127*				
Toluene-d8	*101*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

VOLATILES EPA 8260C
DUPLICATE QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-009-01							
	ORIG	DUP						
(cis) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
Trichloroethene	**ND**	**ND**				NA	30	
Tetrachloroethene	**9.20**	**7.50**				20	30	
Surrogate:								
Dibromofluoromethane			*93*	*93*	*75-127*			
Toluene-d8			*95*	*100*	*80-127*			
4-Bromofluorobenzene			*96*	*98*	*78-125*			

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

VOLATILES EPA 8260C

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**WW-070318**					
Laboratory ID:	07-009-03					
Vinyl Chloride	ND	0.20	EPA 8260C	7-5-18	7-5-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
Trichloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0705W1					
Vinyl Chloride	ND	0.20	EPA 8260C	7-5-18	7-5-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
Trichloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
Tetrachloroethene	ND	0.20	EPA 8260C	7-5-18	7-5-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*100*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: July 9, 2018
Samples Submitted: July 3, 2018
Laboratory Reference: 1807-009
Project: 105-003

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0705W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**11.5**	**10.7**	10.0	10.0	115	107	62-129	7	15	
Benzene	**11.1**	**10.5**	10.0	10.0	111	105	77-127	6	15	
Trichloroethene	**10.7**	**9.77**	10.0	10.0	107	98	70-120	9	15	
Toluene	**11.2**	**10.3**	10.0	10.0	112	103	82-123	8	15	
Chlorobenzene	**10.8**	**10.0**	10.0	10.0	108	100	79-120	8	15	
Surrogate:										
Dibromofluoromethane					*101*	*102*	*75-127*			
Toluene-d8					*100*	*99*	*80-127*			
4-Bromofluorobenzene					*101*	*99*	*78-125*			

s

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 07-009

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A					% Moisture
1	SVE1-070318	7-3-18	1133	Air	1						X																
2	SVE2-070318	7-3-18	1135	Air	1						X																
3	WW-070318	7-3-18	1140	water	3						*																

	Signature	Company	Date	Time
Relinquished		Pacific Crest	7-3-18	1307
Received		COSE	7/3/18	1307
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

X PCE, TCE, cis 1 2 dichloroethene

* PCE, TCE, Cis 12 Dichloroethene trans 12 dichloroethene, VC

wcarroll@arrawenv.com

mblatt@plenv.com

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 15, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1808-134

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on August 13, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: August 15, 2018
Samples Submitted: August 13, 2018
Laboratory Reference: 1808-134
Project: 105-003

Case Narrative

Samples were collected on August 13, 2018 and received by the laboratory on August 13, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: August 15, 2018
Samples Submitted: August 13, 2018
Laboratory Reference: 1808-134
Project: 105-003

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE1-081318**					
Laboratory ID:	08-134-01					
Vinyl Chloride	ND	1.0	EPA 8260C	8-14-18	8-14-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Trichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Tetrachloroethene	2.2	1.0	EPA 8260C	8-14-18	8-14-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*75-127*				
Toluene-d8	*90*	*80-127*				
4-Bromofluorobenzene	*94*	*78-125*				

Date of Report: August 15, 2018
Samples Submitted: August 13, 2018
Laboratory Reference: 1808-134
Project: 105-003

VOLATILES EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE2-081318**					
Laboratory ID:	08-134-02					
Vinyl Chloride	ND	1.0	EPA 8260C	8-14-18	8-14-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Trichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Tetrachloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*75-127*				
Toluene-d8	*88*	*80-127*				
4-Bromofluorobenzene	*97*	*78-125*				

Date of Report: August 15, 2018
Samples Submitted: August 13, 2018
Laboratory Reference: 1808-134
Project: 105-003

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0814A1					
Vinyl Chloride	ND	1.0	EPA 8260C	8-14-18	8-14-18	
(trans) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Trichloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Tetrachloroethene	ND	1.0	EPA 8260C	8-14-18	8-14-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*75-127*				
Toluene-d8	*89*	*80-127*				
4-Bromofluorobenzene	*93*	*78-125*				

Date of Report: August 15, 2018
Samples Submitted: August 13, 2018
Laboratory Reference: 1808-134
Project: 105-003

VOLATILES EPA 8260C
DUPLICATE QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	08-134-01							
	ORIG	DUP						
Vinyl Chloride	**ND**	**ND**				NA	30	
(trans) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
(cis) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
Trichloroethene	**ND**	**ND**				NA	30	
Tetrachloroethene	**2.22**	**2.05**				8	30	
Surrogate:								
Dibromofluoromethane			*100*	*106*	*75-127*			
Toluene-d8			*90*	*87*	*80-127*			
4-Bromofluorobenzene			*94*	*96*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 08-134

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	SVE1-081318	8-13-18	0718	Air	1
2	SVE2-081318	8-13-18	0720	Air	1

Lab ID	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1						*												
2						*												

	Signature	Company	Date	Time
Relinquished		Pacific Crest	8-13-18	0852
Received		OSE	8/13/18	0852
Relinquished				
Received				
Relinquished				
Received				

Reviewed/Date

Reviewed/Date

Comments/Special Instructions

wcarroll@arrowenv.com
struitt@pcenv.com
mblack@pcenv.com
* PCE, TCE, cis-1,2 DCE, trans-1,2 DCE, VC

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 14, 2018

Bill Carroll
Pacific Crest Environmental, LLC
P.O. Box 952
North Bend, WA 98045

Re: Analytical Data for Project 105-003
Laboratory Reference No. 1809-113

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on September 12, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: September 14, 2018
Samples Submitted: September 12, 2018
Laboratory Reference: 1809-113
Project: 105-003

Case Narrative

Samples were collected on September 12, 2018 and received by the laboratory on September 12, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: September 14, 2018
Samples Submitted: September 12, 2018
Laboratory Reference: 1809-113
Project: 105-003

VOLATILE ORGANICS EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE1-091218**					
Laboratory ID:	09-113-01					
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Trichloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Tetrachloroethene	1.5	1.0	EPA 8260C	9-13-18	9-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*118*	*75-127*				
Toluene-d8	*108*	*80-127*				
4-Bromofluorobenzene	*84*	*78-125*				

Date of Report: September 14, 2018
Samples Submitted: September 12, 2018
Laboratory Reference: 1809-113
Project: 105-003

VOLATILE ORGANICS EPA 8260C

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SVE2-091218**					
Laboratory ID:	09-113-02					
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Trichloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Tetrachloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*116*	*75-127*				
Toluene-d8	*110*	*80-127*				
4-Bromofluorobenzene	*85*	*78-125*				

Date of Report: September 14, 2018
Samples Submitted: September 12, 2018
Laboratory Reference: 1809-113
Project: 105-003

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0913A1					
(cis) 1,2-Dichloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Trichloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Tetrachloroethene	ND	1.0	EPA 8260C	9-13-18	9-13-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*118*	*75-127*				
Toluene-d8	*108*	*80-127*				
4-Bromofluorobenzene	*83*	*78-125*				

Date of Report: September 14, 2018
Samples Submitted: September 12, 2018
Laboratory Reference: 1809-113
Project: 105-003

VOLATILE ORGANICS EPA 8260C
DUPLICATE QUALITY CONTROL

Matrix: Air
Units: ug/L

Analyte	Result		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	09-113-01							
	ORIG	DUP						
(cis) 1,2-Dichloroethene	**ND**	**ND**				NA	30	
Trichloroethene	**ND**	**ND**				NA	30	
Tetrachloroethene	**1.47**	**1.58**				7	30	
Surrogate:								
Dibromofluoromethane			*118*	*117*	*75-127*			
Toluene-d8			*108*	*111*	*80-127*			
4-Bromofluorobenzene			*84*	*87*	*78-125*			

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

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W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Pacific Crest
Project Number: 105-003
Project Name: Penthouse
Project Manager: W. Carroll
Sampled by: S. Truitt

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 09-113

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	SVE1-091218	9-12-18	0853	Air	1						X												
2	SVE2-091218	9-12-18	0854	Air	1						X												

	Signature	Company	Date	Time
Relinquished		Pacific Crest	9-12-18	1404
Received		CORE	9/12/18	1404
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

X PCE, TCE, CIS 1-2 DCE

wcarroll@arrowenv.com
struitt@pcenv.com
mblack@pcenv.com

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

APPENDIX C
WASTE DISPOSAL DOCUMENTATION

CLEANUP ACTION PROGRESS REPORT

Former Penthouse Drapery and Belshaw Site
1752 Rainier Avenue South
Seattle, Washington

PACIFIC CREST NO: 105-003

WASTE MANAGEMENT

December 6, 2018

Pacific Crest Environmental, LLC
PO Box 952
North Bend WA 98045

CERTIFICATE OF DISPOSAL

Waste Management, Inc. dba Greater Wenatchee Regional Landfill has received IDW Soil for ultimate disposal Greater Wenatchee Regional Landfill

Dates of Disposed:	**10/30/2018**
Ticket #:	**821641**
Profile #:	**113913WA**
Total Tons:	**6.57 (23 drums)**
Waste Type:	**IDW Soil**

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Demarie Lawson

Demarie Lawson
Waste Management
Sr. Technical Service Manager - PNW

Date	Profile #	Manifest #	Ticket #	Waste	Facility	Tonss	Qty	Unit
10/30/2018	113913WA	181030999CWM	821641	LF01 IDW Soil	Greater Wenatchee Regional LF	6.57	23	EA

Greater Wenatchee Regional LF
191 Webb Road,
East Wenatchee, WA, 98802-9384
Ph: (509) 884-2802

Web Ticket # 788

Carrier NONE No Carrier
Vehicle# NONE **Volume**
Billing# 0508224
Grid

Customer Name PACIFIC CREST
Ticket Date 12/06/2018
Payment Type Credit Account
Manual Ticket#
PO#
Profile 113913WA(LF01 IDW Soil)
Generator 1829953(WA-PENTHOUSE DRAPERY CLEANERS)

	Time	Scale	Operator	Inbound	Gross	0 lb*
In	12/06/18 11:12:00	MANUAL WT	dmarler2		**Tare**	0 lb*
Out	12/06/18 11:12:00	MANUAL WT	dmarler2		**Net**	0 lb
			* Manual Weight		**Tons**	0

Comments Certificate of Disposal for 6.57 tons (23 drums) of IDW material
Void Reason

Surcharges	Qty	UOM	Rate	Fee	Amount
CERTOFDISPOSAL$35-	1	Each	35.00		$35.00

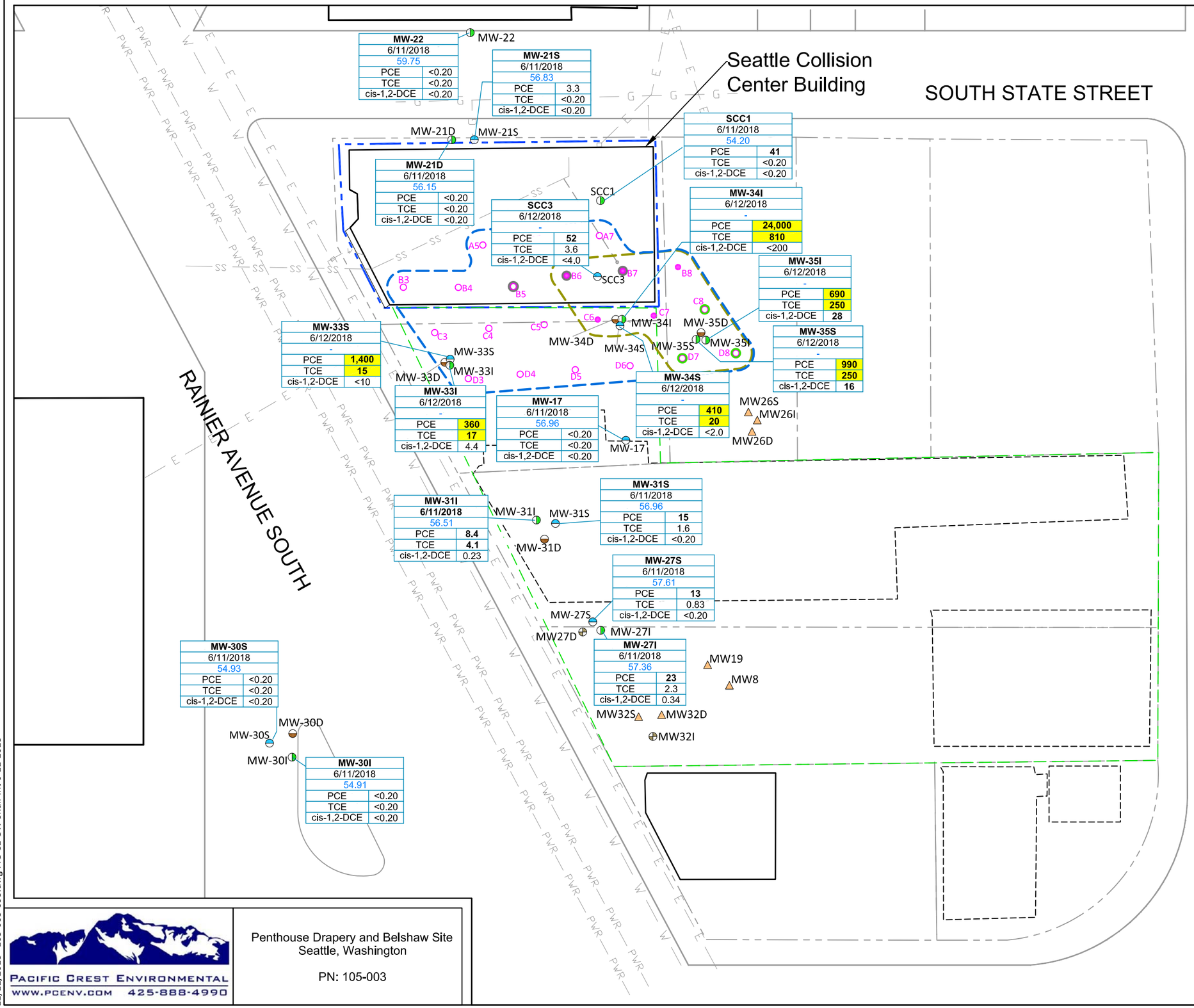
Total Fees
Total Ticket $35.00

APPENDIX D
FIGURES FOR ALL REPORTING PERIOD GROUNDWATER ANALYTICAL RESULTS

CLEANUP ACTION PROGRESS REPORT

Former Penthouse Drapery and Belshaw Site
1752 Rainier Avenue South
Seattle, Washington

PACIFIC CREST NO: 105-003



Legend

Screened Interval

MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs

- Damaged monuments
- Destroyed wells
- C3 ERH Electrode (shallow & deep) (total 21)
- B6 Deep Electrode (5-85 feet bgs) (5)
- Deep Electrode (15-85 feet bgs) (3)
- B5 Below Grade Electrode (3)
- Area of Heating Influence
- Area of Deep Heating Influence

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis -1,2-Dichloroethene
µg/L micrograms per liter
BOLD concentration exceeds Site-specific CUL
BOLD concentration exceeds Site-specific remediation level
CUL cleanup level
ft bgs feet below ground surface

- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area
- SS Sanitary Sewer
- E Power
- W Water
- G Gas
- PWR Overhead Bus Power Line
- G Abandoned Gas
- Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

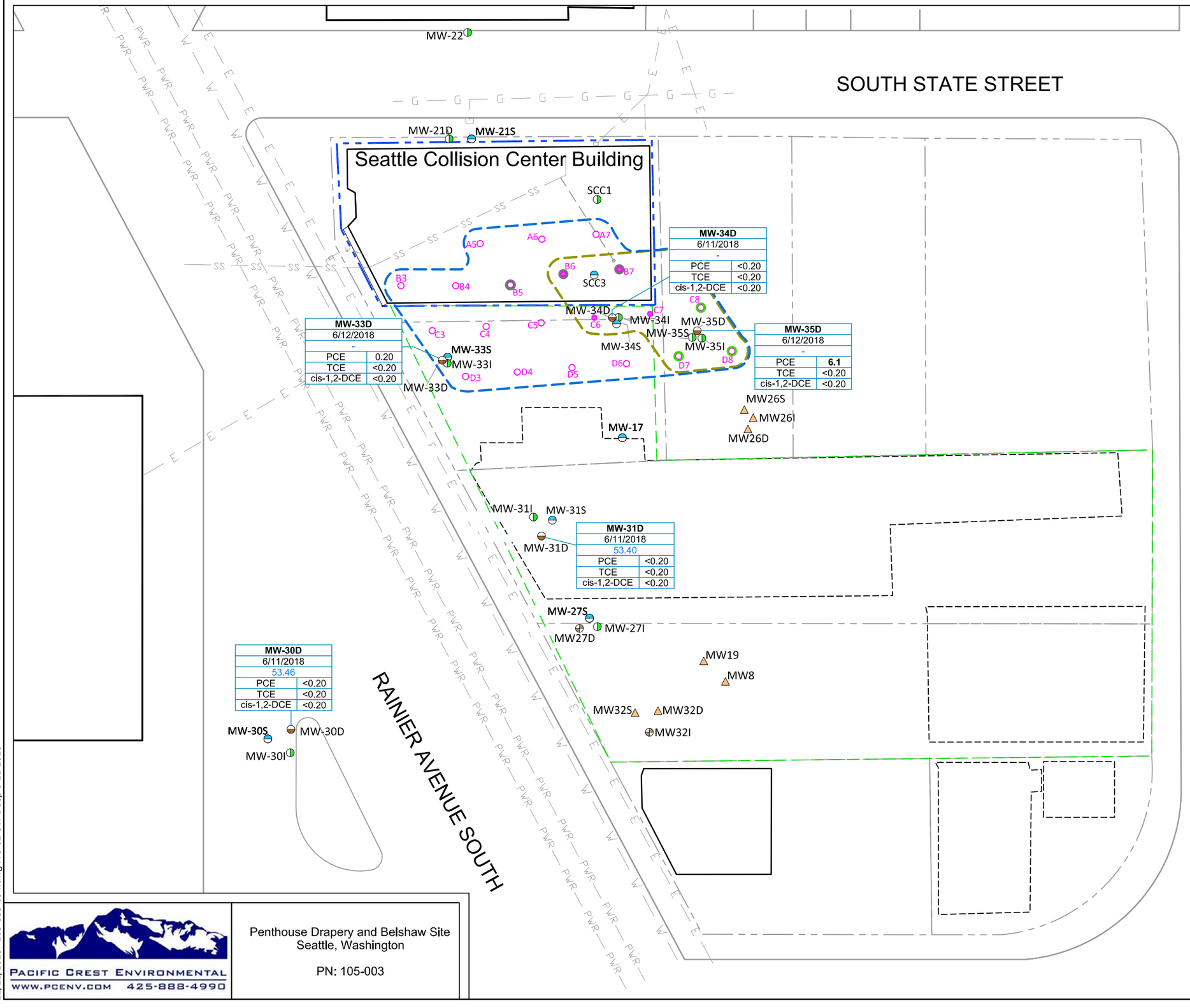
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C1

Groundwater Analytical Results,
Shallow and Intermediate Zones
(June 11 - 12, 2018)

12/11/2018 105-003-093.dwg FIG C1 GW Shall-Int 6-11-2018



Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs
	Damaged monuments	
	Destroyed wells	
C3	ERH Electrode (shallow & deep) (total 21)	
B6	Deep Electrode (5-85 feet bgs) (5)	
	Deep Electrode (15-85 feet bgs) (3)	
B5	Below Grade Electrode (3)	
	Area of Heating Influence	
	Area of Deep Heating Influence	

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis -1,2-Dichloroethene
µg/L micrograms per liter
BOLD concentration exceeds Site-specific CUL
BOLD concentration exceeds Site-specific remediation level
CUL cleanup level
ft bgs feet below ground surface

Belshaw Property
Penthouse/SCC Property
Parcel Boundary
Building
Former Building Area

SS Sanitary Sewer
E Power
W Water
G Gas
PWR Overhead Bus Power Line
G Abandoned Gas
Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

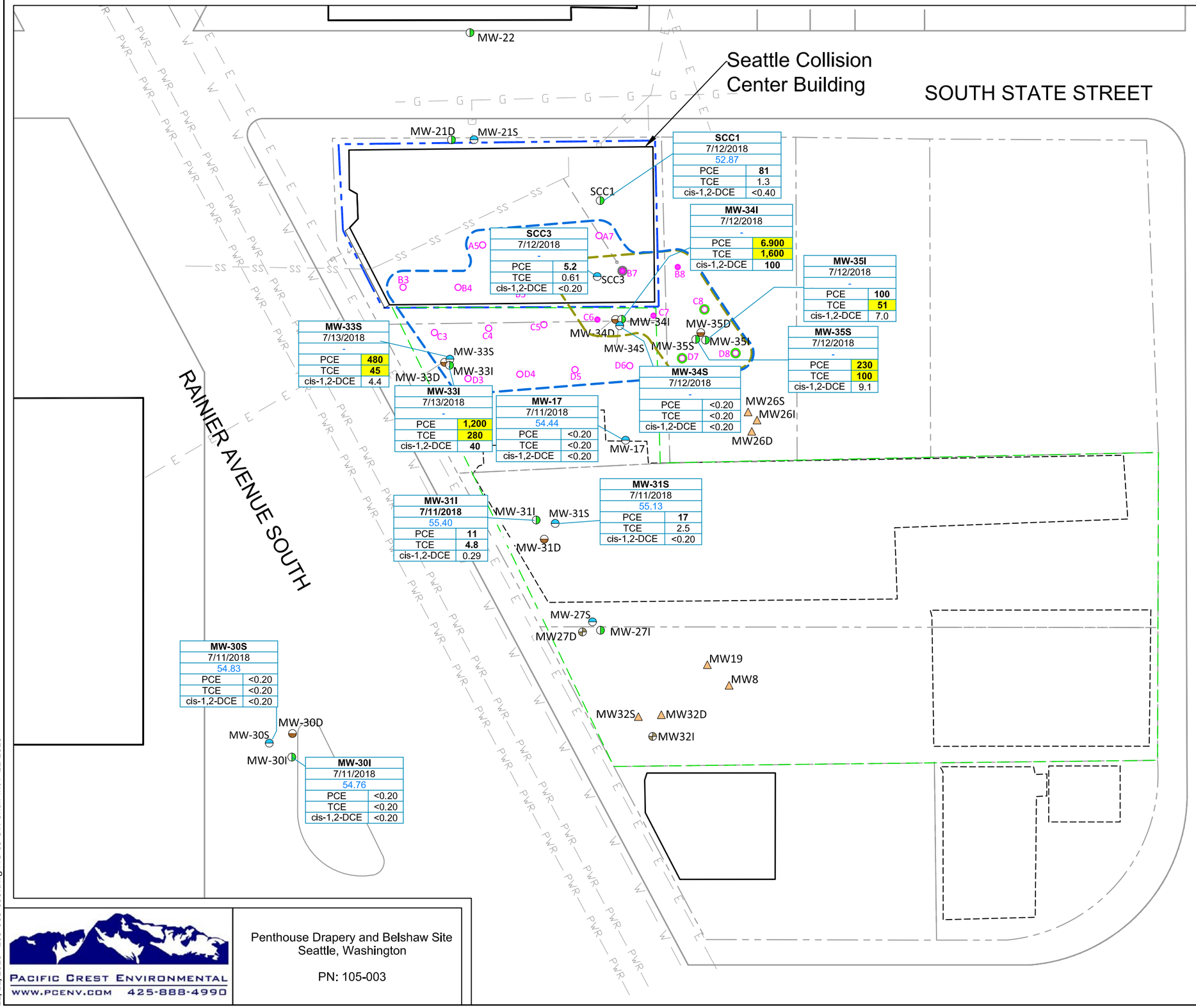
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C2

Site Plan with Groundwater Analytical Results, Deep Zone
(June 11 - 12, 2018)

12/11/2018 105-003-094.dwg FIG C2 GW Deep 6-11-2018



Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs
	Damaged monuments	
	Destroyed wells	
C3	ERH Electrode (shallow & deep) (total 21)	
B6	Deep Electrode (5-85 feet bgs) (5)	
	Deep Electrode (15-85 feet bgs) (3)	
B5	Below Grade Electrode (3)	
	Area of Heating Influence	
	Area of Deep Heating Influence	

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis -1,2-Dichloroethene
µg/L micrograms per liter
BOLD concentration exceeds Site-specific CUL
BOLD concentration exceeds Site-specific remediation level
CUL cleanup level
ft bgs feet below ground surface

Belshaw Property
Penthouse/SCC Property
Parcel Boundary
Building
Former Building Area

SS Sanitary Sewer
E Power
W Water
G Gas
PWR Overhead Bus Power Line
G Abandoned Gas
Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

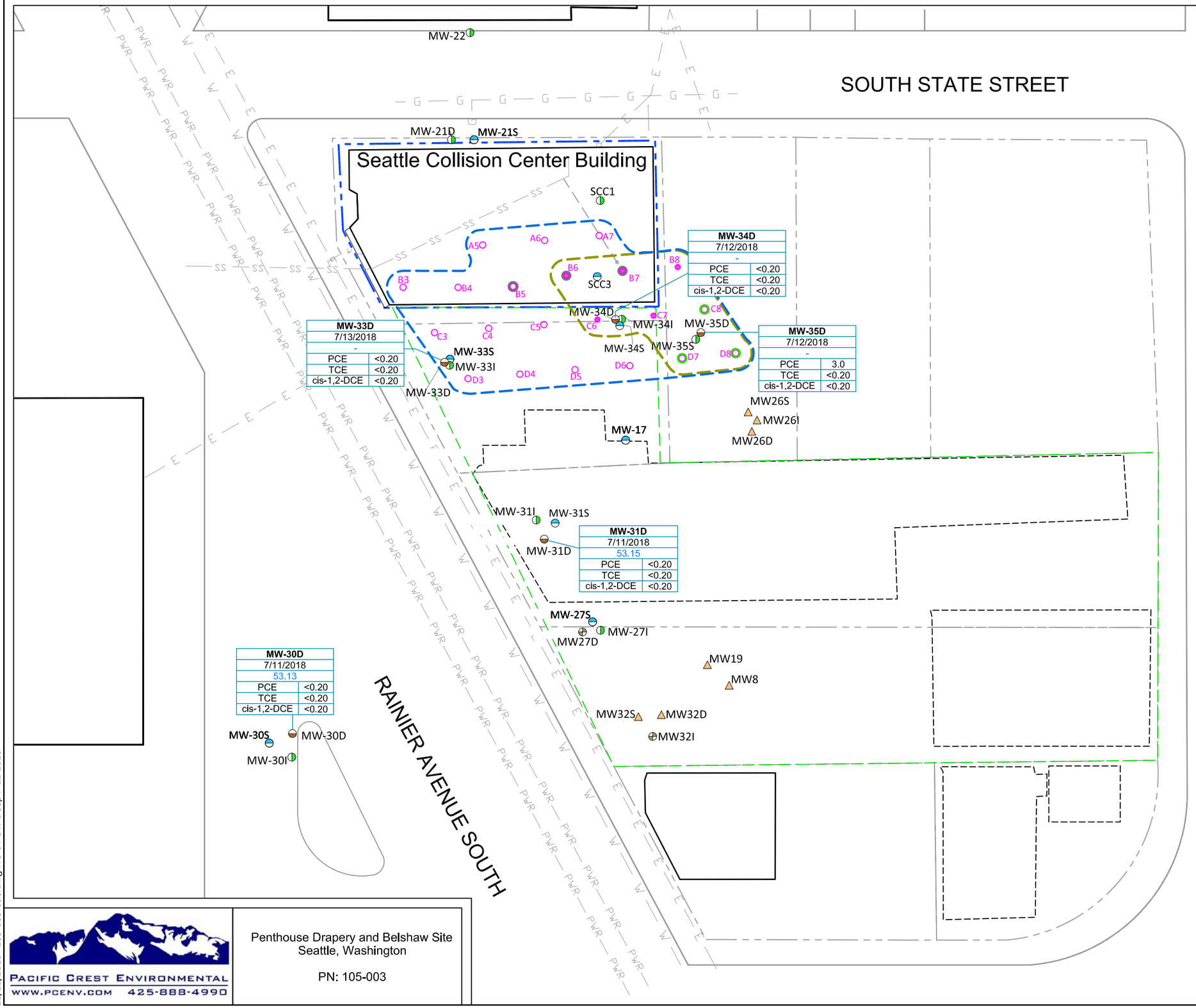
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C3

Groundwater Analytical Results,
Shallow and Intermediate Zones
(July 11 - 13, 2018)

12/11/2018 105-003-095.dwg FIG C3 GW Shall-Int 7-11-2018



Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs
	Damaged monuments	
	Destroyed wells	
C3	ERH Electrode (shallow & deep) (total 21)	
B6	Deep Electrode (5-85 feet bgs) (5)	
	Deep Electrode (15-85 feet bgs) (3)	
B5	Below Grade Electrode (3)	
	Area of Heating Influence	
	Area of Deep Heating Influence	

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis -1,2-Dichloroethene
µg/L micrograms per liter
BOLD concentration exceeds Site-specific CUL
BOLD concentration exceeds Site-specific remediation level
CUL cleanup level
ft bgs feet below ground surface

Belshaw Property
Penthouse/SCC Property
Parcel Boundary
Building
Former Building Area

SS Sanitary Sewer
E Power
W Water
G Gas
PWR Overhead Bus Power Line
G Abandoned Gas
Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C4

Site Plan with Groundwater Analytical Results, Deep Zone
(July 11 - 13, 2018)

12/11/2018 105-003-096.dwg FIG C4 GW Deep 7-11-2018

Seattle Collision Center Building

SOUTH STATE STREET

RAINIER AVENUE SOUTH

MW-22

MW-21D MW-21S

SCC1

SCC1	
8/8/2018	
52.87	
PCE	49
TCE	1.6
cis-1,2-DCE	<0.40

SCC3	
8/8/2018	
-	
PCE	1,100
TCE	400
cis-1,2-DCE	28

SCC3

MW-34I	
8/8/2018	
-	
PCE	2,200
TCE	710
cis-1,2-DCE	67

MW-34I

MW-35I	
8/8/2018	
-	
PCE	34
TCE	18
cis-1,2-DCE	6.3

MW-35D

MW-34D

MW-35I

MW-33S	
8/8/2018	
-	
PCE	210
TCE	45
cis-1,2-DCE	3.6

MW-33S

MW-33D

MW-33I

MW-33I	
8/8/2018	
-	
PCE	8.5
TCE	2.6
cis-1,2-DCE	1.2

MW-34S

MW-34S	
8/8/2018	
-	
PCE	260
TCE	58
cis-1,2-DCE	<10

MW-35S

MW-35S	
8/8/2018	
-	
PCE	0.47
TCE	<0.20
cis-1,2-DCE	<0.20

MW-35S

MW-17

MW26S MW26I MW26D

MW-31I MW-31S MW-31D

MW-27S MW-27I MW27D

MW19

MW8

MW32S MW32D MW32I

MW-30D MW-30S MW-30I

B3 B4 B5 B7 B8 A5 A7 C3 C4 C5 C6 C7 C8 D3 D4 D5 D6 D7 D8

Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs
	Damaged monuments	
	Destroyed wells	
C3	ERH Electrode (shallow & deep) (total 21)	
B6	Deep Electrode (5-85 feet bgs) (5)	
	Deep Electrode (15-85 feet bgs) (3)	
B5	Below Grade Electrode (3)	
	Area of Heating Influence	
	Area of Deep Heating Influence	

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis -1,2-Dichloroethene
µg/L micrograms per liter
BOLD concentration exceeds Site-specific CUL
BOLD concentration exceeds Site-specific remediation level
CUL cleanup level
ft bgs feet below ground surface

Belshaw Property
Penthouse/SCC Property
Parcel Boundary
Building
Former Building Area

SS Sanitary Sewer
E Power
W Water
G Gas
PWR Overhead Bus Power Line
G Abandoned Gas
Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

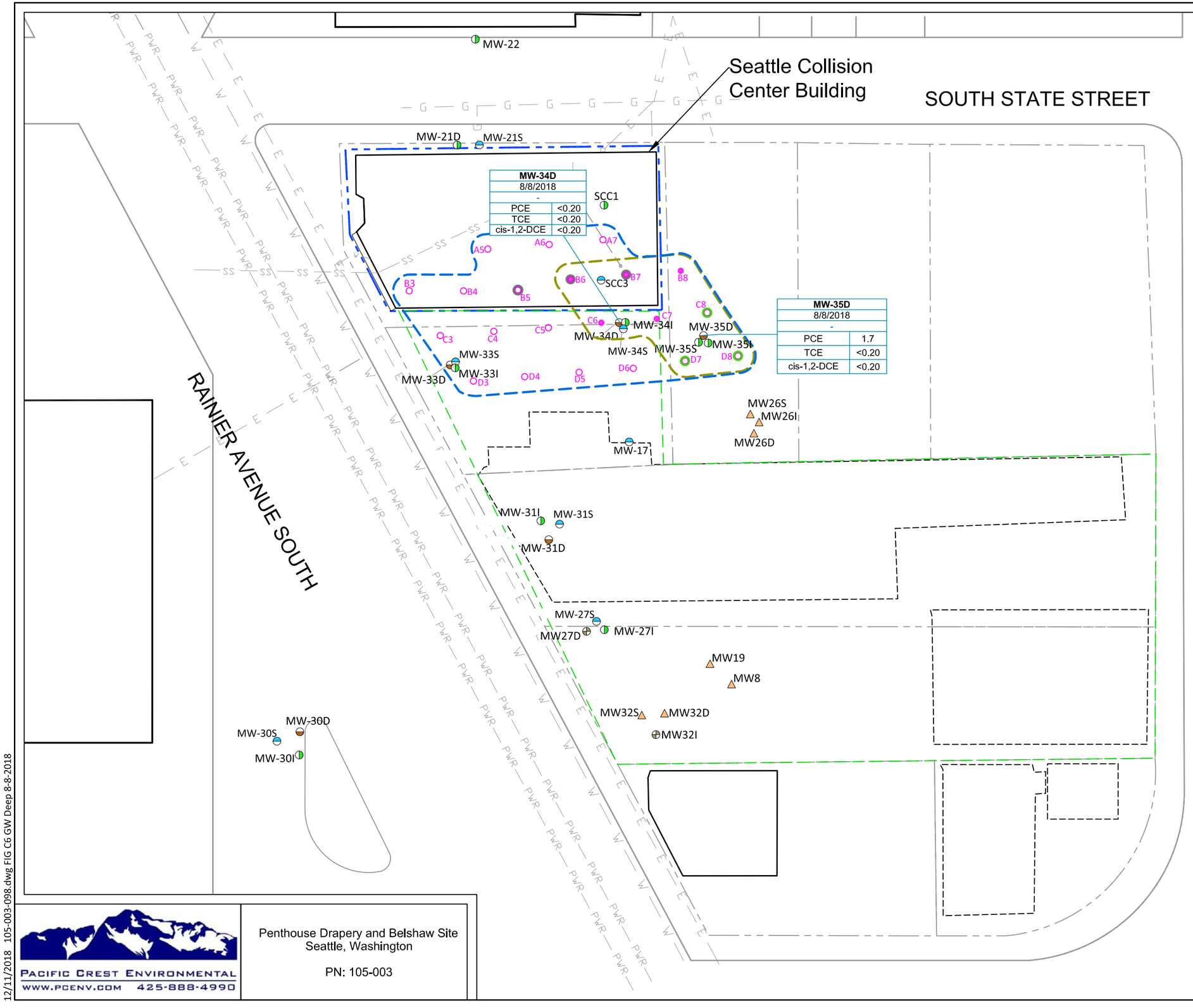
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C5

Groundwater Analytical Results,
Shallow and Intermediate Zones
(August 8, 2018)

12/11/2018 105-003-097.dwg FIG C5 GW Shall-Int 8-8-2018



Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs
	Damaged monuments	
	Destroyed wells	
C3	ERH Electrode (shallow & deep) (total 21)	
B6	Deep Electrode (5-85 feet bgs) (5)	
	Deep Electrode (15-85 feet bgs) (3)	
B5	Below Grade Electrode (3)	
	Area of Heating Influence	
	Area of Deep Heating Influence	

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE	tetrachloroethene
TCE	trichloroethene
cis-1,2-DCE	cis -1,2-Dichloroethene
µg/L	micrograms per liter
BOLD	concentration exceeds Site-specific CUL
BOLD	concentration exceeds Site-specific remediation level
CUL	cleanup level
ft bgs	feet below ground surface

- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area
- Sanitary Sewer
- Power
- Water
- Gas
- Overhead Bus Power Line
- Abandoned Gas
- Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

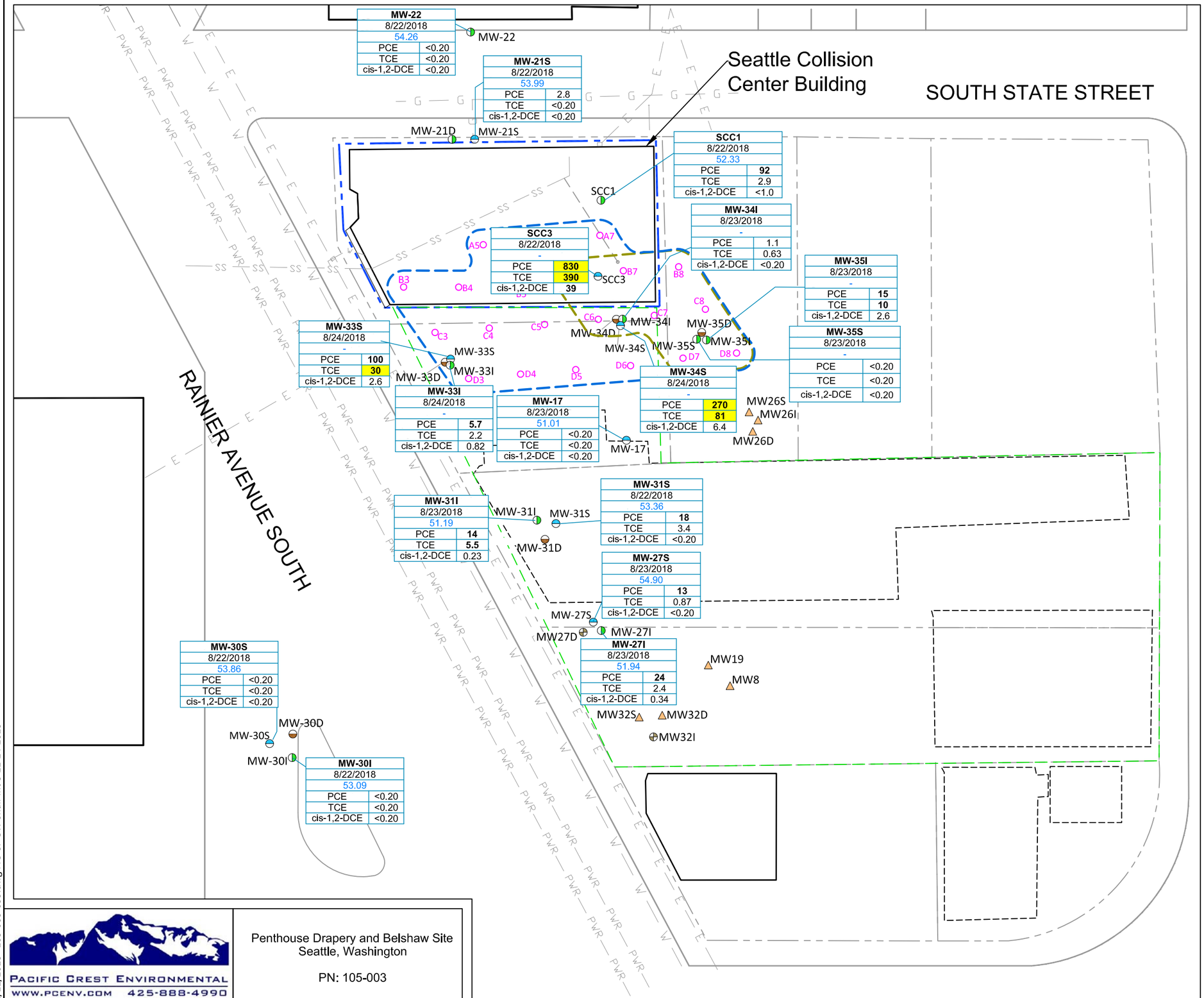
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C6

Groundwater Analytical Results,
Deep Zone
(August 8, 2018)

12/11/2018 105-003-098.dwg FIG C6 GW Deep 8-8-2018



Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs

- Damaged monuments
- Destroyed wells
- C3 Electrode
- Area of Heating Influence
- Area of Deep Heating Influence

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE	tetrachloroethene
TCE	trichloroethene
cis-1,2-DCE	cis -1,2-Dichloroethene
µg/L	micrograms per liter
BOLD	concentration exceeds Site-specific CUL
BOLD	concentration exceeds Site-specific remediation level
CUL	cleanup level
ft bgs	feet below ground surface

- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area

- SS Sanitary Sewer
- E Power
- W Water
- G Gas
- PWR Overhead Bus Power Line
- G Abandoned Gas
- Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

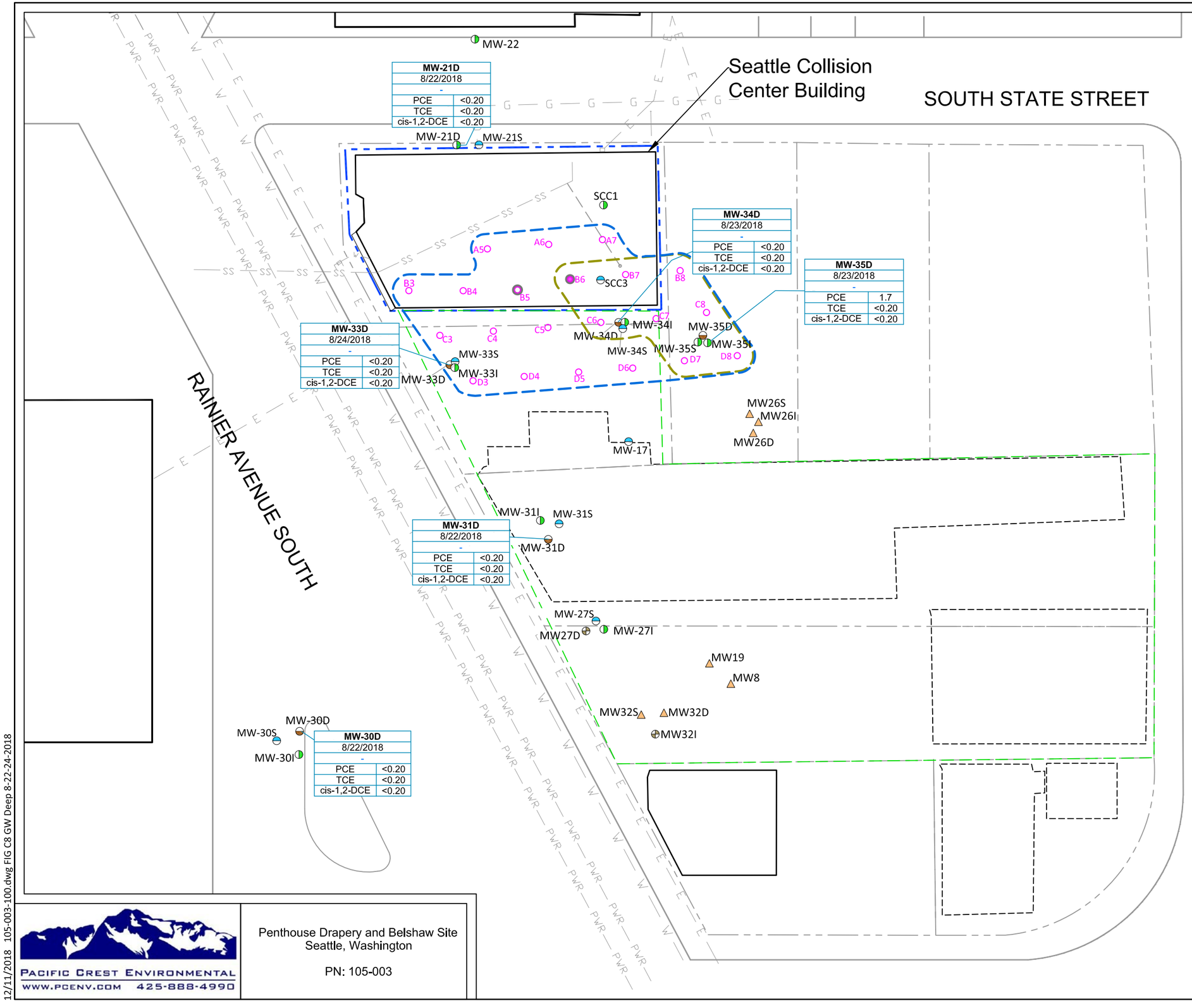
Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C7

Groundwater Analytical Results,
Shallow and Intermediate Zones
(August 22 - 24, 2018)

12/11/2018 105-003-099.dwg FIG C7 GW Shall-Int 8-22-24-2018



Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs

- Damaged monuments
- Destroyed wells
- C3 Electrode
- Area of Heating Influence
- Area of Deep Heating Influence

WELL ID	
DATE	
Groundwater Elevation	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE	tetrachloroethene
TCE	trichloroethene
cis-1,2-DCE	cis -1,2-Dichloroethene
µg/L	micrograms per liter
BOLD	concentration exceeds Site-specific CUL
BOLD	concentration exceeds Site-specific remediation level
CUL	cleanup level
ft bgs	feet below ground surface

- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area

- Sanitary Sewer
- Power
- Water
- Gas
- Overhead Bus Power Line
- Abandoned Gas
- Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C8

Groundwater Analytical Results,
Deep Zone
(August 22 - 24, 2018)

12/11/2018 105-003-100.dwg FIG C8 GW Deep 8-22-24-2018

Seattle Collision Center Building

SOUTH STATE STREET

RAINIER AVENUE SOUTH

MW-22

MW-21D MW-21S

SCC1

SCC1	
9/26/2018	
PCE	110
TCE	3.6
cis-1,2-DCE	<1.0

SCC3	
9/26/2018	
PCE	450
TCE	340
cis-1,2-DCE	46

SCC3

MW-34I	
9/26/2018	
PCE	1,000
TCE	760
cis-1,2-DCE	140

MW-35I	
9/26/2018	
PCE	35
TCE	17
cis-1,2-DCE	22

MW-33S	
9/26/2018	
PCE	310
TCE	140
cis-1,2-DCE	24

MW-33S MW-33D MW-33I

MW-33I	
9/26/18	
PCE	1.3
TCE	0.67
cis-1,2-DCE	0.21

MW-34I MW-34D MW-34S MW-35D MW-35I MW-35S

MW-34S	
9/26/2018	
PCE	120
TCE	61
cis-1,2-DCE	7.2

MW-35S	
9/26/2018	
PCE	<0.20
TCE	<0.20
cis-1,2-DCE	<0.20

MW26S MW26I MW26D

MW-17

MW-31I MW-31S MW-31D

MW-27S MW27D MW-27I

MW19 MW8

MW32S MW32D MW32I

MW-30D MW-30S MW-30I

Legend

		Screened Interval
MW-21S	Shallow Well	14.5-29.5 ft bgs
MW-27I	Intermediate Well	25-50 ft bgs
MW-30D	Deep Well	65-100 ft bgs

- Damaged monuments
- Destroyed wells
- C3 Electrode
- Area of Heating Influence
- Area of Deep Heating Influence

WELL ID	
DATE	
Analyte	(µg/L)

	Site-Specific CULs (µg/L)	Site-Specific Remediation Levels (µg/L)
PCE	5	128.6
TCE	4	13.8
cis-1,2-DCE	16	1,538

PCE tetrachloroethene
TCE trichloroethene
cis-1,2-DCE cis -1,2-Dichloroethene
µg/L micrograms per liter
BOLD concentration exceeds Site-specific CUL
BOLD concentration exceeds Site-specific remediation level
CUL cleanup level
ft bgs feet below ground surface

- Belshaw Property
- Penthouse/SCC Property
- Parcel Boundary
- Building
- Former Building Area

SS Sanitary Sewer
E Power
W Water
G Gas
PWR Overhead Bus Power Line
G Abandoned Gas
Abandoned Drain Line

0 30
Approximate Scale in Feet

N

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Penthouse Drapery and Belshaw Site
Seattle, Washington

PN: 105-003

Figure C9

Groundwater Analytical Results,
Shallow and Intermediate Zones
(September 26, 2018)

12/11/2018 105-003-092.dwg FIG C9 GW Shall-Int 9-26-2018