Washington State Department of Transportation

SR 520 Bridge Replacement and HOV Program

Second Supplemental Limited Phase II Environmental Site Assessment State Route 520 and East Montlake Place East Vicinity Properties, Seattle, Washington

Prepared for

Washington State Department of Transportation
SR520 Bridge Replacement and HOV Program
999 3rd Ave Suite 2200
Seattle, WA 98104

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June 15, 2018

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Redmond, WA 98052

We have performed a Phase II Environmental Site Assessment of the State Route 520 and East Montlake Place East Vicinity Properties, Seattle, Washington in conformance with the scope and limitations of ASTM Practice E 1903-11 and for the following objectives:

This Second Supplemental Phase II Environmental Site Assessment (ESA) was conducted to better define the extent of contamination encountered during the initial Phase II ESA, and to identify additional contaminated areas present in the right-of way adjacent to and near 2625 East Montlake Place East. These right-of-way included East Montlake Place East, 22nd Avenue East and East Roanoke Street. Additional investigations are planned for the Montlake '76 gas station property; however, negotiations for access are still in progress.

Mitchell Williams,
Senior Geologist

6.19.18
Date

Glenn A. Hayman,
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6/19/2018
Date

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Acronyms and Abbreviations

BGS	Below Ground Surface
CLARC	Cleanup Levels and Risk Calculation
COPC	Contaminant of Potential Concern
CSM	Conceptual Site Model
CUL	Cleanup Level
NWTPH-Dx	Diesel-range hydrocarbons
Ecology	Washington State Department of Ecology
ESA	Environmental Site Assessment
NWTPH-Gx	Gasoline-range hydrocarbons
INNOVEX	Innovex Environmental Management, Inc.
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
MTCA	Model Toxics Control Act
NWTPH-Dx	Northwest Total Petroleum Hydrocarbons as Diesel and Oil
NWTPH-Gx	Northwest Total Petroleum Hydrocarbons as Gasoline
OnSite	Environmental Inc.
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
Program	SR 520 Bridge Replacement and HOV Program
QA	Quality Assurance
QC	Quality Control
REC	Recognized Environmental Condition
RPD	Relative Percent Difference
SDCI	Seattle Department of Construction and Inspections
SPU	Seattle Public Utilities
SR	State Route
SAP	Sampling and Analysis Plan
SDOT	Seattle Department of Transportation
SVOC	Semi-volatile Organic Compound
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WABN	West Approach Bridge North
WAC	Washington Administrative Code
WSDOT	Washington State Department of Transportation

1.0 INTRODUCTION

1.1 Authorization

Innovex Environmental Management (INNOVEX) has completed this Supplemental Phase II Environmental Site Assessment (ESA) of the City of Seattle right-of-way (ROW) in the vicinity of 2625 East Montlake Place East, Seattle, Washington. The project was completed in support of the Washington State Department of Transportation (WSDOT) SR520 Bridge Replacement and HOV Program (PROGRAM).

Field activities were conducted in accordance with the supplemental Sampling and Analysis Plan (SAP) prepared and submitted to WSDOT (dated October 16, 2017). Any deviations from the supplemental SAP are summarized in the Phase II ESA Activities section of this report.

1.2 Objective

This Supplemental Phase II Environmental Site Assessment (ESA) was conducted to better define the extent of contamination encountered during the initial Phase II ESA (INNOVEX, 2017a), and to identify additional contaminated areas present in the right-of way adjacent to and near 2625 East Montlake Place East. These ROW included East Montlake Place East, East Roanoke Street and 22nd Avenue East. Additional investigations are planned for the Montlake '76 Gas Station property; however, negotiations for access are still in progress.

The following is the general agreed upon scope of work for this Supplemental Phase II ESA, which includes the following work tasks:

- Five soil borings were advanced to collect soil and, if encountered, groundwater samples for chemical analysis.
- Soil samples were collected and analyzed to determine if petroleum and related contamination is present in the soil beneath the offsite, cross- to down-gradient locations.
- One soil sample from each boring was selected and submitted and analyzed for site contaminants of concern. An additional sample was selected from Boring H-15-18 and analyzed based on field observations.
- Groundwater samples were collected from three of the five borings and analyzed for site contaminants of concern.

The results of this Supplemental Phase II ESA will be used to assist WSDOT in management of potential environmental risks during property acquisition and subsequent reconstruction of the SR 520 Eastbound on and off ramps and East Montlake Place East.

2.0 SITE BACKGROUND

The areas investigated for the previous Phase II ESAs and this Supplemental Phase II ESA are the City of Seattle and WSDOT SR 520 ROW in the vicinity of 2625 East Montlake Place East, Seattle, Washington. The investigation took place in the northeast quarter of Township 25 North, Range 4 East and Section 21.

During 2016 and 2017, two Phase II ESAs were completed for the City of Seattle and WSDOT SR 520 ROW. The Phase II ESAs included the advancement of ten soil borings (H-1-16, H-2-16, H-3-16, H-4-16 and H-5-16, H-6-17, H-7-17, H-8-17, H-9-17 and H-10-17), which were located around the northern, western and eastern perimeters of the gas station property (Figure 2). Soil and groundwater analytical results indicated the following:

- Gasoline was detected in two soil samples from boring H-4-16.
- Volatile Organic Compounds (VOCs) were detected in soil samples from borings H-2-16, H-3-16, H-4-16, H-5-16 and H-7-17. VOCs above applicable cleanup levels were detected soil samples from borings H-3-16, H-4-16, and H-5-16. Concentrations of benzene, ethylbenzene, total xylene, naphthalene, and methylene chloride were detected above applicable Model Toxic Control Act (MTCA) WAC 173-340 cleanup levels (CULs).
- Semivolatile Organic Compounds (SVOCs) were detected in soil samples from borings H-2-16, H-3-16, H-4-16, H-5-16 and H-7-17. Naphthalene was detected above the applicable MTCA CUL in the soil sample from boring H-4-16. The SVOCs detected in the soil sample from H-7-17 consisted of polycyclic aromatic hydrocarbons (PAHs) and were evaluated by calculating a toxicity equivalent soil concentration. No SVOCs were detected above the applicable MTCA WAC 173-340 CULs.
- Polychlorinated Biphenyl (PCBs) were not detected in any of the soil samples analyzed.
- Chromium, copper, lead, nickel, barium and zinc were detected in soil samples from each of the five borings at concentrations below applicable MTCA CULs. Copper and nickel were detected at concentrations above applicable cleanup levels (boring H-7-17). Lead was detected below the applicable MTCA WAC 173-340 CUL in the soil sample collected from the boring H-7-17.

One groundwater sample was collected from boring H-3-16 and was analyzed for VOCs, SVOCs, and dissolved metals. Three VOCs (benzene, bromochloromethane, and chloroform); and two dissolved metals (antimony and arsenic) were detected in concentrations greater than the applicable MTCA WAC 173-340 CULs.

3.0 PHASE 11 ESA ACTIVITIES

3.1 Scope of Assessment

A SAP was developed (INNOVEX, 2017a) to better define the extent of contamination encountered during the initial Phase II ESA (INNOVEX, 2016), and to identify additional contaminated areas present in the right-of way adjacent to and near 2625 East Montlake Place East. A total of five soil borings were drilled. Six subsurface soil samples and three groundwater samples were collected and submitted to OnSite Environmental Inc. in Redmond, Washington for chemical analysis. Our rationale and the results for this second supplemental Phase II ESA are summarized below.

3.2 Conceptual Site Model and Sampling Plan

In order to provide a framework for evaluating data gaps and subsequent analytical data, a conceptual site model (CSM) depicting potential sources of chemicals, release mechanisms, means of retention in or migration to exposure media, exposure routes, and receptors was developed for the property during the initial Phase II ESA (INNOVEX 2016). The CSM is largely unchanged from the initial Phase II ESA and describes, in a generalized way, the interactions of potential contaminants, mechanisms of contaminant migration, and possible routes of human and ecological exposure under site-specific conditions.

Based on background information previously presented, the contaminants of potential concern (COPCs) identified for the site included:

- Gasoline-range hydrocarbons
- Diesel-range petroleum hydrocarbons
- Oil-range petroleum hydrocarbons
- PCBs
- VOCs
- SVOCs
- Resource Conservation and Recovery Act (RCRA) 8 Metals

3.3 Utility Location

Overhead power lines related to operation of the King County Metro electric trolleys were present along East Montlake Place East and along 22nd Ave East. As with the earlier investigations, WSDOT coordinated the trolley line deactivation for safety purposes. For safety purposes and in order to protect potentially unidentified subsurface utilities, Holocene Drilling (Holocene) advanced through the first five ft. (ft.) of each boring using a high-pressure water jet and a vactor truck. INNOVEX coordinated the remaining utility locates through One Call Concepts, ticket # 18149920.

3.4 Permits, Noise and Traffic Control

WSDOT obtained a Street Use permit from Seattle Department of Transportation (SDOT) for the traffic control and investigation work on East Montlake Place East, East Roanoke Street, and 22nd Avenue East. In addition, WSDOT obtained a temporary noise variance from the Seattle Department of Construction and Inspections (SDCI) to allow the drilling to be conducted at night to reduce the impacts to traffic and local businesses.

The project office provided WSDOT and SDOT approved traffic control plans for the City of Seattle Streets mentioned above. INNOVEX subcontracted Altus, Inc. to implement the plans.

3.5 Sonic Drilling

Fieldwork was conducted on the nights of May 17, 24 and 25, 2018. Five soil borings were advanced by Holocene using a sonic drill rig to determine the extent of petroleum contamination identified within the East Montlake Place East, 22nd Avenue East, and East Roanoke Street ROW in the initial Phase II ESA report.

Drilling equipment was decontaminated at the WSDOT West Approach Bridge North (WABN) Laydown Yard on Lake Washington Boulevard at the start of drilling and after each night's work. Refer to Section 3.10 for additional details regarding storage and disposal.

3.6 Soil and Groundwater Sampling

A total of 27 soil samples were collected from the soil borings at approximate five ft. intervals using an 18-inch standard penetration test (SPT) split spoon sampler advanced in front of the sonic drill head.

An aliquot of soil recovered from each drilling interval was placed in a Ziploc bag and allowed to volatilize for approximately 15 minutes. If the recovered sample volume allowed, the aliquot was collected from the SPT sampler. At some depths the recovered sample volume was insufficient for laboratory sample quantity requirements. In these cases (marked in the boring logs) the aliquot was collected from the sonic drill core. The headspace within the Ziploc bag was evaluated for organic vapors using a photo-ionization detector (PID). The soil sample from the depth with the highest PID reading was selected for chemical analysis.

No petroleum odors were noted in any of the soil samples from any of the five borings.

Low-level PID readings (<10 ppm) were recorded for Borings H-11-18, H-13-18, H-14-18, H-15-18. No elevated PID readings (>10 ppm) were recorded for Borings H-12-18 and H-13-18.

The highest PID readings were observed for Boring H-11-18. The soil aliquot collected from the 10-ft. interval had a PID reading of 22.8 ppm. This soil sample was selected for chemical analysis.

No elevated PID readings and petroleum odors were observed in soil samples collected from Boring H-12-18. The soil sample collected from the 15 ft. interval represented the zone with the highest apparent moisture. Because of poor recovery from the 15 ft. sample interval (0%), a sample was collected from the 20-ft. interval and submitted for chemical analysis.

No elevated PID readings and petroleum-odors were observed in soil samples collected from Boring H-13-18. The soil sample collected from the 15 ft. interval represented the wettest horizon and was selected for chemical analysis.

The highest PID reading for Boring H-14-18 was collected from the 10 ft. interval had a PID reading of 11.4 ppm. The soil sample from the 10 ft. was selected for chemical analysis.

Boring H-15-18 was advanced to 30 ft. bgs. During the drilling of Boring H-15-18, two intervals consisting of silty sand (15 ft. bgs and 25 feet bgs) were observed to be moist to wet. The two intervals were separated by a drier silty clay layer. Samples were collected from the 15 ft. and 25 ft. layers were submitted for chemical analysis.

A limited volume of groundwater was encountered during the drilling of the Borings H-11-18 (33 ft. bgs), H-14-18 (28 ft. bgs) and H-15-18 (28 ft. bgs). Groundwater samples were collected from these borings using a stainless-steel bailer. The bailer was decontaminated between borings using Alconox soap and a deionized water rinse

The boring logs are included in Appendix A.

3.7 Analytical Methods

The COPCs identified for the site include petroleum hydrocarbon related constituents. Selected soil samples were analyzed to determine the concentrations of these COPCs using the following methods:

- Gasoline-range hydrocarbons –NWTPH-Gx
- Diesel-range petroleum hydrocarbons – NWTPH-Dx
- Oil-range petroleum hydrocarbons – NWTPH-Dx
- PCBs – EPA Method 8082
- VOCs – EPA Method 8260
- SVOCs – EPA Method 8270
- RCRA Metals – EPA Method 6010 / 7470

3.8 Site Cleanup Levels

CULs for the site were identified using the Model Toxics Control Act (MTCA) regulation (WAC 173-340). MTCA cleanup levels are tabulated in Ecology's CLARC table available at: https://fortress.wa.gov/ecy/clarc/FocusSheets/CLARC%20Master%20Spreadsheet.xlsx.

Selecting soil cleanup levels required the incorporation of cleanup levels protective of groundwater because of the 10- to 12-ft. depth to groundwater reported in the three WSDOT piezometers discussed in the Site Geology and Hydrogeology section in the initial Phase II ESA (INNOVEX, 2016). The complete discussion of the Site CULs can be found in the Phase II ESA report (INNOVEX, 2016).

Groundwater MTCA CULs for the site were identified using MTCA WAC 73-340. Method A CULs were selected with defaults to MTCA Method B CULs when Method A CULs were not available.

3.8.1 Soil Analytical Results

Analytes detected in soil samples are summarized in the following tables:

- Table 1 Total Petroleum Hydrocarbons (TPH)
- Table 2 Volatile Organic Compounds (VOCs)
- Table 3 Semi-volatile Organic Compounds (SVOCs)
- Table 4 Poly Chlorinated Biphenyls (PCBs)
- Table 5 RCRA Metals

The analytical reports are included in Appendix B.

Based on the results of the laboratory analyses, TPH was not detected in any of the soil samples (Table 1).

VOCs were not detected in the analyzed soil samples from any of the borings advanced during this phase of the investigation with the exception of carbon disulfide (sample H-12-18-20, 0.0015 mg/kg) and chloromethane (sample H-12-18-20, 0.0058 mg/kg). See Table 2.

Six SVOCs were detected below applicable MTCA CULs in the soil sample collected from the 10-ft. interval of Boring H-11-18 [(diethylphthalate (3.3 mg/kg), fluorene (0.16 mg/kg), phenanthrene (0.013 mg/kg), anthracene (0.0080 mg/kg), pyrene (0.013) and fluoranthene (0.0096 mg/kg)]. SVOCs were not detected in any other soil samples analyzed (Table 3).

Based on the results of the laboratory analyses, PCBs were not detected in any of the soil samples analyzed (Table 4).

With the exception of Barium and Chromium, metals were not detected in any of the soil samples analyzed (Table 5). Chromium was detected below applicable MTCA CULs in soil samples from all five borings. Barium was also detected in samples from the five borings; however, only above the MTCA CUL (82.6 mg/kg) in sample H-14-18-10 at a concentration of 110 mg/kg.

3.8.2 Groundwater Analytical Results

The analytes detected in groundwater samples and the applicable MTCA CULs are summarized in the following tables:

- Table 6 Total Petroleum Hydrocarbons (TPH)
- Table 7 Volatile Organic Compounds (VOCs)
- Table 8 Semi-volatile Organic Compounds (SVOCs)

- Table 9 Poly Chlorinated Biphenyls (PCBs)
- Table 10 RCRA Metals

A limited volume of groundwater was encountered and sampled during the drilling of borings H-11-18, H-14-18 and H-15-18.

Lube oil-range organic compounds were detected in groundwater samples H-11-18-GW and H-14-18-GW at concentrations of 0.56 ug/L and 0.98 ug/L, respectively (Table 6). These concentrations are below the applicable MTCA CUL of 500 ug/L for TPH as lube-oil.

Gasoline and diesel were not detected in the groundwater samples (Table 6).

With the exception of acetone, VOCs were not detected in the groundwater samples (Table 7). The acetone concentrations were 9.7 ug/L (sample H-14-18-GW) and 5.0 ug/L (sample H-15-18-GW), below the MTCA CUL of 7200 ug/L.

SVOCs were detected in each of the groundwater samples (see Table 8). Fifteen SVOCs were detected in sample H-11-18-GW. None of the detected SVOC concentrations exceeded the applicable MTCA CUL.

PCBs were not detected in the of the groundwater samples (Table 9).

Groundwater samples were turbid and were not filtered therefore analytical results are for total metal analyte concentration. Arsenic, Barium, Chromium, Lead, Cadmium and Selenium were detected in the three groundwater samples (Table 10). Arsenic was detected above the applicable MTCA CUL of 5.0 ug/L in all three groundwater samples. Barium was detected above its applicable MTCA CUL (3200 ug/L) in all three groundwater samples. Chromium was detected below applicable MTCA CUL of 24000 ug/L in all three groundwater samples. Lead was detected above applicable MTCA CUL of 15 ug/L in all three groundwater samples. Selenium was detected below the applicable MTCA CUL of 80 ug/L in all three groundwater samples. Cadmium was detected in the groundwater sample H-11-18-GW in a concentration below the MTCA CUL of 80.0 ug/L.

3.9 Deviations from the Sampling and Analysis Plan

Groundwater samples were only analyzed for total metals, not total and dissolved metals as planned.

3.10 Data Quality

Data reports from OnSite were reviewed by INNOVEX. Laboratory provided data quality parameters were reviewed. Data qualifiers were applied as necessary. Data for VOCs, PAHs (including cPAHs), PCBs, RCRA metals, TPH as gasoline and TPH as diesel and oil were determined by INNOVEX to be qualified and acceptable for all purposes following evaluation of the quality control specifications presented in the SAP; or equivalent requirements found in the contracted commercial laboratory analytical methods. Precision, accuracy, representativeness, comparability, and completeness parameters were evaluated for each method. In addition to laboratory control samples, the data were also reviewed for trip temperature and holding time.

OnSite followed the most recent versions of the specified analytical methods. Precision was acceptable as demonstrated by the reported matrix spike/matrix spike duplicate (MS/MSD) laboratory control sample/laboratory control sample duplicate (LCS/LCSD) relative percent difference (RPD) values. Accuracy was also acceptable, as demonstrated by the reported surrogate, MS/MSD and LCS/LCD percent recovery values. Samples were collected and field activities were conducted in accordance with the SAP..

3.11 Disposal of Investigation Derived Waste (IDW)

IDW including soil cuttings and decontamination water were containerized by the drilling crew and taken to the WSDOT WABN Laydown Yard on Lake Washington Boulevard, Seattle for temporary storage pending sample analytical results followed by proper disposal.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the 2016 Phase II ESA (INNOVEX, 2016), the 2017 Supplemental Phase II ESA (INNOVEX, 2017b), and the findings presented above, we offer the following conclusions for the investigation area. Fifteen soil borings were advanced and one or more soil sample from each boring was analyzed for gasoline, diesel, lube oil, VOCs, SVOCs, PCBs, and RCRA or priority pollutant metals. A groundwater sample was collected from four of the borings. See Figure 4 and Figure 5 for a summary of the MTCA CUL WAC 173-340 exceedances found by these three sampling efforts.

The 2018 investigation MTCA CUL exceedances are summarized as follows. One soil sample, H-14-18-10, had a barium concentration (100 mg/kg) that exceeded the MTCA CUL of 86.2. No additional analytes exceeded the applicable MTCA CUL in the soil samples (Figure 4). Three groundwater samples were collected as part of the 2018 investigation. The only analytes that exceeded MTCA CULs in these samples were total arsenic, barium and lead (Figure 5).

The three Phase II ESA investigations did not confirm the source of the contamination found. The 2016 boring were located adjacent to the 2625 East Montlake Place East property. The 2017 borings were located farther from the 2625 East Montlake Place East property. The 2018 borings were located on 22nd Avenue East and East Roanoke Street. Soil contaminant concentrations declined with each successive round of investigation suggesting an increasing distance from the source. Soil contaminant concentrations were highest in borings H-3-16 and H-4-16 located near the intersection of the SR520 eastbound off ramp and East Montlake Place East. (Figure 4). Groundwater samples were collected from borings H-3-16, H-11-18, H-14-18, and H-15-18. Only the groundwater sample from boring H-3-16 contained petroleum related compounds (Figure 5). In each of the groundwater samples metals were detected at concentrations above the applicable MTCA CULs.

It is recommended that the investigation presented in the approved supplemental SAP (INNOVEX 2016) be completed to determine the source of contamination. In addition, it is recommended that the SAP be amended to include investigation in the area of boring H-11-18 where this phase of investigation found SVOCs and metals at concentrations below the MTCA CUL in soil and groundwater.

5.0 LIMITATIONS

This report is based on the site conditions, data, and other information available as of the date of the report, and the conclusions herein are applicable only to the time frame in which the report was prepared. Background information used to prepare this report including, but not limited to site plans and other data have been furnished to INNOVEX by WSDOT and as available on Ecology's website. INNOVEX has relied on this information as furnished and is neither responsible for nor has confirmed the accuracy of this information.

6.0 REFERENCES

INNOVEX, 2017a. Supplemental Sampling and Analysis Plan for SR 520 Bridge Replacement and HOV Program – Stelter Montlake LLC Phase II Environmental Site Assessment, Seattle, Washington

INNOVEX, 2017b. Supplemental Phase II Environmental Site Assessment, State Route (SR) 520 Eastbound Off-Ramp to Montlake Vicinity, Seattle, Washington

INNOVEX, 2016. Phase II Environmental Site Assessment, State Route (SR) 520 Eastbound Off-Ramp to Montlake Vicinity, Seattle, Washington

WSDOT (Washington State Department of Transportation), 2016. Limited Phase I Environmental Site Assessment State Route (SR) 520 Montlake '76 Gasoline and Service Station, Seattle, Washington

Lasmanis, Raymond, 1991. The Geology of Washington Rocks and Minerals. Volume 66, No. 4, p. 262-277.

FIGURES

DESIGNED BY
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June 13, 2018

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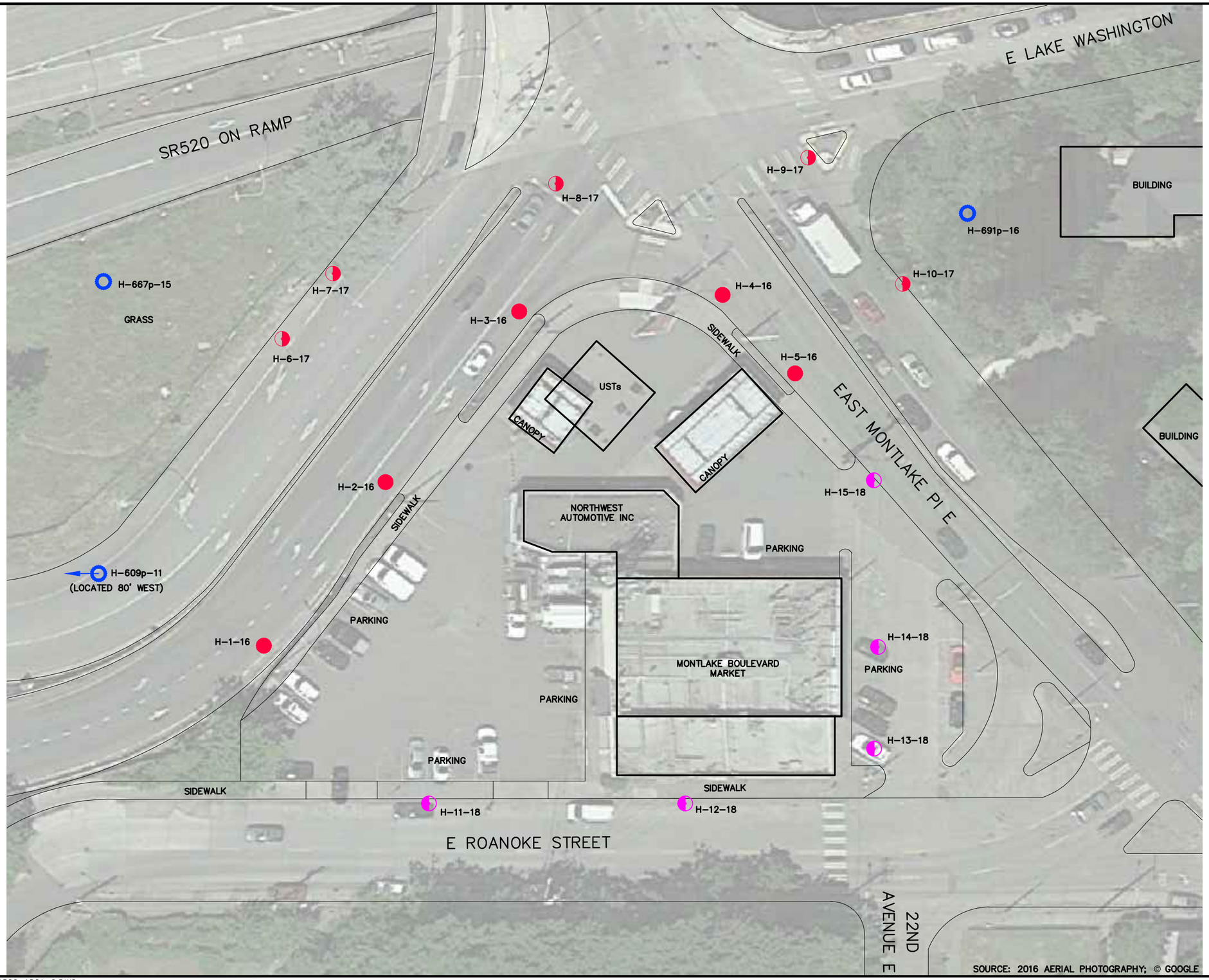
LATITUDE 47D 38M 38S NORTH
LONGITUDE 122D 18M 15S WEST

US GEOLOGICAL SURVEY - 2014
7.5 MINUTE QUADRANGLE MAP
SEATTLE NORTH, WASHINGTON

FIGURE 1
Site Location Map

State Route 520 and East Mountlake Place East Vicinity Properties SEATTLE, WASHINGTON

SR520_SITELOCATION-1.DWG



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LEGEND

H-1-16	SOIL BORING LOCATION (2016 ESA)
H-10-17	SOIL BORING LOCATION (2017 ESA)
H-11-18	SOIL BORING LOCATION (2018)
H-667p-15	GEOTECHNICAL EXPLORATIONS

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June 13, 2018

FIGURE 2

2016-2018 Boring Location Map

State Route 520 and East Mountlake Place East Vicinity Properties SEATTLE, WASHINGTON

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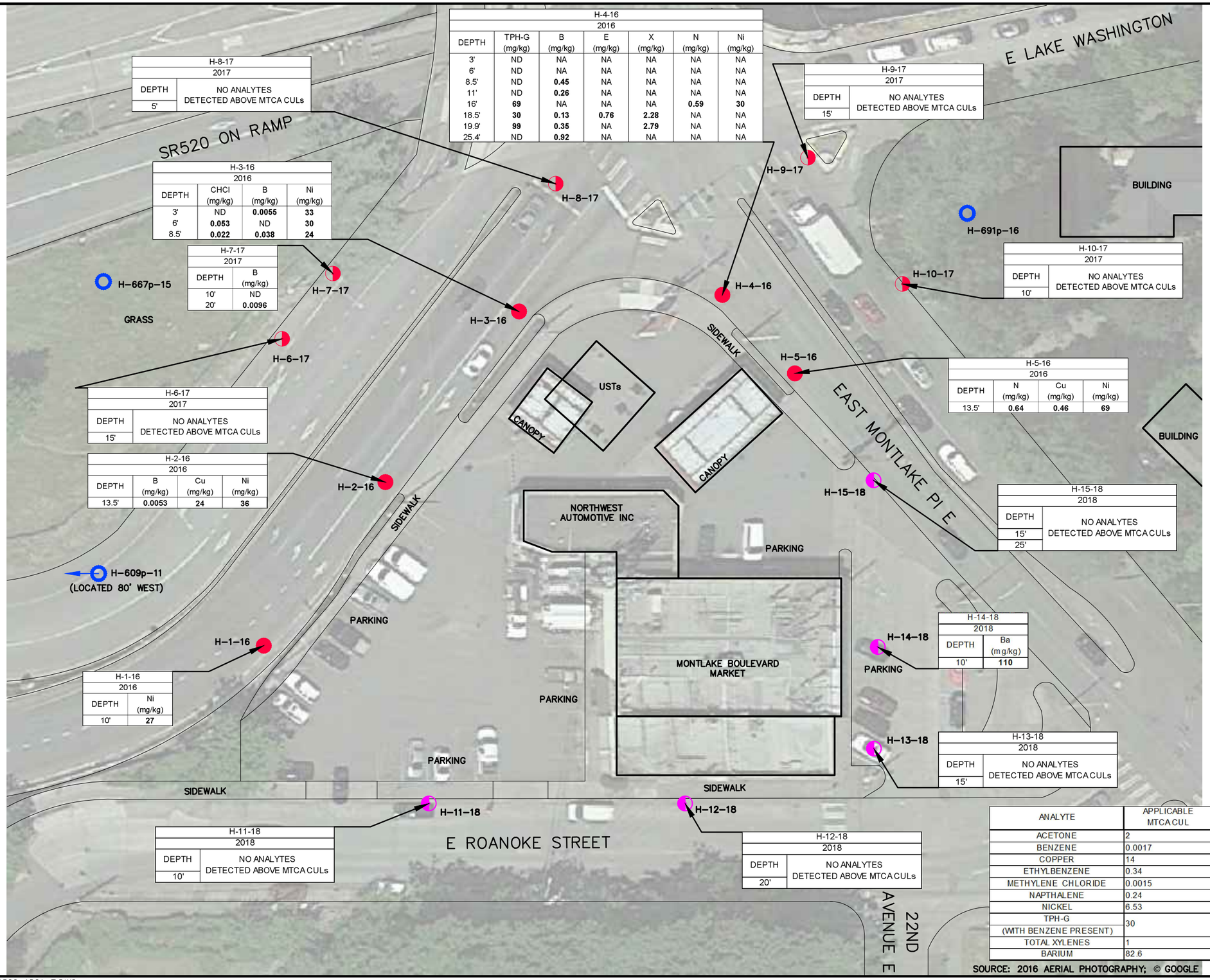

H-4-16						
2016						
DEPTH	TPH-G (mg/kg)	B (mg/kg)	E (mg/kg)	X (mg/kg)	N (mg/kg)	Ni (mg/kg)
3'	ND	NA	NA	NA	NA	NA
6'	ND	NA	NA	NA	NA	NA
8.5'	ND	**0.45**	NA	NA	NA	NA
11'	ND	**0.26**	NA	NA	NA	NA
16'	**69**	NA	NA	NA	**0.59**	**30**
18.5'	**30**	**0.13**	**0.76**	**2.28**	NA	NA
19.9'	**99**	**0.35**	NA	**2.79**	NA	NA
25.4'	ND	**0.92**	NA	NA	NA	NA

H-8-17	
2017	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
5'	

H-9-17	
2017	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
15'	

H-3-16			
2016			
DEPTH	CHCl (mg/kg)	B (mg/kg)	Ni (mg/kg)
3'	ND	**0.0055**	**33**
6'	**0.053**	ND	**30**
8.5'	**0.022**	**0.038**	**24**

H-7-17	
2017	
DEPTH	B (mg/kg)
10'	ND
20'	**0.0096**

H-10-17	
2017	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
10'	

H-5-16			
2016			
DEPTH	N (mg/kg)	Cu (mg/kg)	Ni (mg/kg)
13.5'	**0.64**	**0.46**	**69**

H-6-17	
2017	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
15'	

H-2-16			
2016			
DEPTH	B (mg/kg)	Cu (mg/kg)	Ni (mg/kg)
13.5'	**0.0053**	**24**	**36**

H-15-18	
2018	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
15'	
25'	

H-1-16	
2016	
DEPTH	Ni (mg/kg)
10'	**27**

H-14-18	
2018	
DEPTH	Ba (mg/kg)
10'	**110**

H-13-18	
2018	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
15'	

H-11-18	
2018	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
10'	

H-12-18	
2018	
DEPTH	NO ANALYTES DETECTED ABOVE MTCA CULs
20'	

ANALYTE	APPLICABLE MTCA CUL
ACETONE	2
BENZENE	0.0017
COPPER	14
ETHYLBENZENE	0.34
METHYLENE CHLORIDE	0.0015
NAPTHALENE	0.24
NICKEL	6.53
TPH-G (WITH BENZENE PRESENT)	30
TOTAL XYLENES	1
BARIUM	82.6

SOURCE: 2016 AERIAL PHOTOGRAPHY; © GOOGLE

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SCALE IN FEET

LEGEND

H-1-16	SOIL BORING LOCATION (2016 ESA)
H-10-17	SOIL BORING LOCATION (2017 ESA)
H-11-18	SOIL BORING LOCATION (2018)
H-667p-15	GEOTECHNICAL EXPLORATIONS
TPH-G	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (mg/kg)
CHCl	METHYLENE CHLORIDE (mg/kg)
B	BENZENE (mg/kg)
E	ETHYLBENZENE (mg/kg)
X	TOTAL XYLENES (mg/kg)
N	NAPHTHALENE (mg/kg)
Cu	COPPER (mg/kg)
Ni	NICKEL (mg/kg)
Ba	BARIUM (mg/kg)
mg/kg	MILLIGRAMS PER KILOGRAM
DEPTH	SAMPLING DEPTH (FEET)
ND	NOT DETECTED
NA	NOT ANALYZED
CULs	CLEANUP LEVELS

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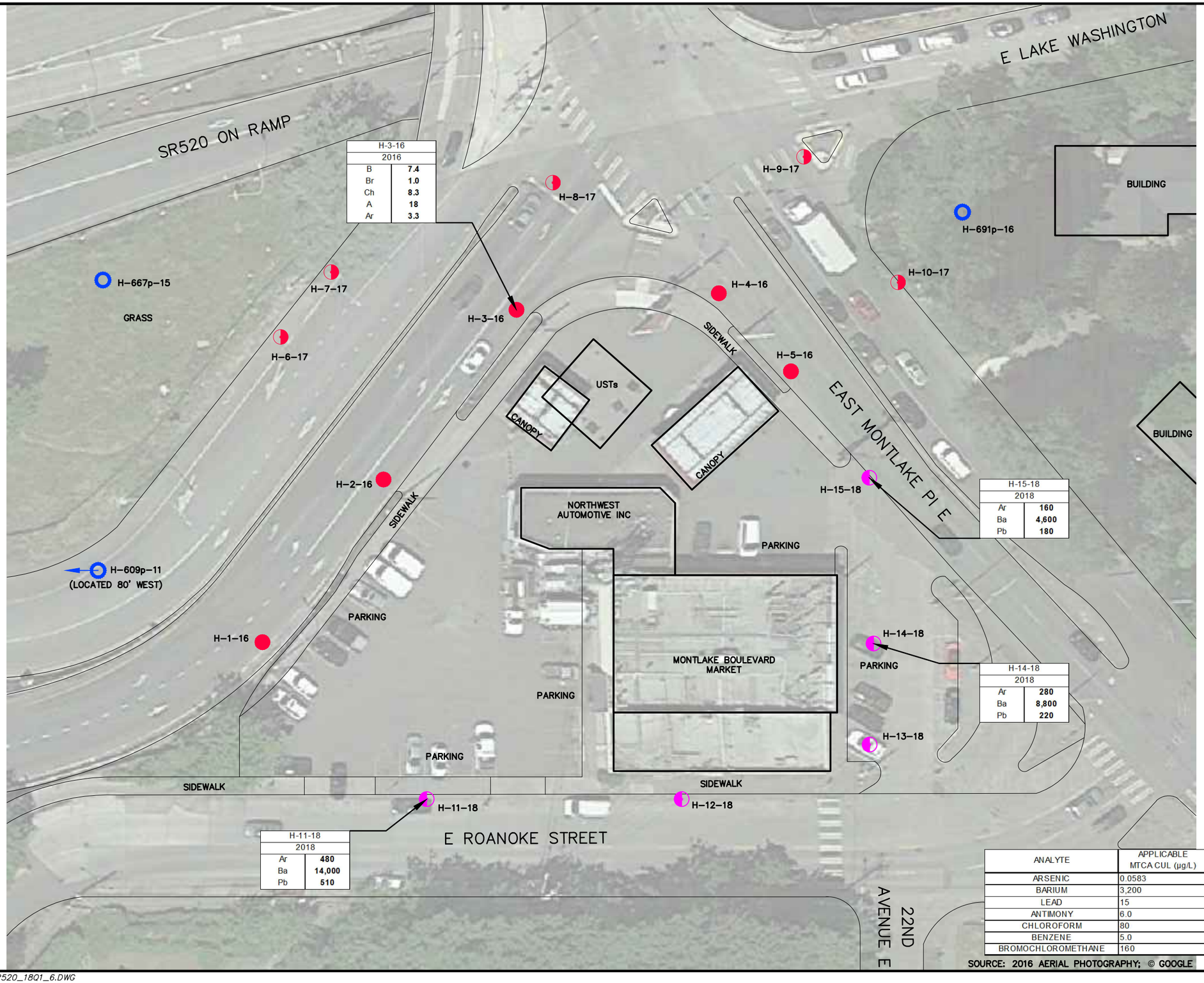
FIGURE 3
2016, 2017 and 2018 Soil Sample Analytical Results Exceeding MTCA Clean Up Levels
State Route 520 and East Mountlake Place East Vicinity Properties
SEATTLE, WASHINGTON

INNOVEX ENVIRONMENTAL MANAGEMENT, INC.
16310 NE 80th St., Suite 300
Redmond, WA 98052
(800) 988-7880

SR520_18Q1_7.DWG



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SCALE IN FEET

LEGEND

H-1-16	SOIL BORING LOCATION (2016 ESA)
H-10-17	SOIL BORING LOCATION (2017 ESA)
H-11-18	SOIL BORING LOCATION (2018)
H-667p-15	GEOTECHNICAL EXPLORATIONS
B	BENZENE (µg/L)
Br	BROMOCHLOROMETHANE (µg/L)
Ch	CHLOROFORM (µg/L)
A	ANTIMONY (µg/L)
Ar	ARSENIC (µg/L)
Ba	BARIUM (µg/L)
Pb	LEAD (µg/L)
µg/L	MICROGRAMS PER LITER
CULs	CLEANUP LEVELS

DESIGNED BY
Innovex Environmental
Mitch Williams

DRAWN BY
ICD

June 13, 2018

FIGURE 4
2016, 2017 and 2018 Groundwater Sample Analytical Results Exceeding MTCA Clean Up Levels
State Route 520 and East Mountlake Place East Vicinity Properties SEATTLE, WASHINGTON

INNOVEX ENVIRONMENTAL MANAGEMENT, INC.
16310 NE 80th St., Suite 300
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SR520_1801_6.DWG

TABLES

Table 1. Petroleum Hydrocarbon Soil Analytical Results

22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Sample depth (ft.)	NWTPH-Gx (mg/kg)	NWTPH-Diesel (mg/kg)	NWTPH-Lube Oil (mg/kg)
H-11-18-10	5/25/2018	10	ND	ND	ND
H-12-18-20	5/17/2018	20	ND	ND	ND
H-13-18-15	5/17/2018	15	ND	ND	ND
H-14-18-10	5/26/2018	10	ND	ND	ND
H-15-18-15	5/26/2018	15	ND	ND	ND
H-15-18-25	5/26/2018	25	ND	ND	ND
MTCA Cleanup Level			100/30*	2000	2000

ND Not Detected

* Benzene is detected

Table 2: **Volatile Organic Compounds Detected in Soil Samples**
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Sample	Acetone	Methylene Chloride	2-Butanone	Benzene	Toluene	Ethyl-benzene	Total-xylenes	Isopropyl-benzene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	sec-Butyl-benzene	p-Isopropyl-toluene	n-Butyl-benzene	Napthalene	Carbon Disulfide	Chloro-methane
		depth (ft.)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
H-11-18-10	5/25/2018	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-12-18-20	5/17/2018	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0015	0.0058
H-13-18-15	5/17/2018	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-14-18-10	5/26/2018	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-15-18-15	5/26/2018	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-15-18-25	5/26/2018	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTCA Cleanup Level			2	0.0015	48000	0.0017	0.27	0.34	9	8000	8000	800	No CUL	8000	No CUL	4000	0.24	0.266	No CUL

ND Not Detected
99 Exceeds Cleanup Level

Table 3. Semi Volatile Organic Compounds Detected in Soil Samples, SR 520 Eastbound
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Sample Depth	Naphthalene	2-Methyl-naphthalene	1-Methyl-naphthalene	Diethyl-phthalate	Fluorene	Phenan-threne	Anthra-cene	Fluor-anthene	Pyrene	Benzo[a] pyrene	Benzo[a] anthracene	Benzo[b] fluor-anthene	Benzo[j,k] fluor-anthene	Chrysene	Indeno-[1,2,3-cd]-pyrene	Dibenz[a,h] anthracene	Benzo-[g,h,i] perylene
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
H-11-18-10	5/25/2018	10	ND	ND	ND	3.3	0.16	0.013	0.008	0.0096	0.013	ND	ND	ND	ND	ND	ND	ND	ND
H-12-18-20	5/17/2018	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-13-18-15	5/25/2018	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-14-18-10	5/26/2018	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-15-18-15	5/26/2018	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-15-18-25	5/26/2018	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTCA Cleanup Level			0.24	320	34	12800	640	No CUL	4800	3200	32.8	0.137	0.137	0.137	0.137	0.137	0.137	0.137	No CUL

ND Not Detected

Table 4. Polychlorinated Biphenyls Detected in Soil Samples
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Sample depth (ft.)	Aroclor 1016 (mg/kg)	Aroclor 1212 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)
H-11-18-10	5/25/2018	10	ND	ND	ND	ND	ND	ND	ND
H-12-18-20	5/17/2018	20	ND	ND	ND	ND	ND	ND	ND
H-13-18-15	5/25/2018	15	ND	ND	ND	ND	ND	ND	ND
H-14-18-10	5/26/2018	10	ND	ND	ND	ND	ND	ND	ND
H-15-18-15	5/26/2018	15	ND	ND	ND	ND	ND	ND	ND
H-15-18-25	5/26/2018	25	ND	ND	ND	ND	ND	ND	ND
MTCA Cleanup Level			14.3	No CUL	No CUL	No CUL	No CUL	50.0	50.0

ND Not Detected

Table 5. Metals Detected in Soil Samples
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Sample depth (ft.)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
H-11-18-10	5/25/2018	10	ND	46	ND	48	ND	ND	ND	ND
H-12-18-20	5/17/2018	20	ND	73	ND	140	ND	ND	ND	ND
H-13-18-15	5/25/2018	15	ND	58	ND	43	ND	ND	ND	ND
H-14-18-10	5/26/2018	10	ND	110	ND	68	ND	ND	ND	ND
H-15-18-15	5/26/2018	15	ND	50	ND	37	ND	ND	ND	ND
H-15-18-25	5/26/2018	25	ND	35	ND	25	ND	ND	ND	ND
MTCA Cleanup Level			20	82.6	2	2000	250	2	400	400

ND Not Detected
110 Exceeds CUL

Table 6. **Petroleum Hydrocarbon Groundwater Analytical Results 22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington**

Sample ID	Sample Date	NWTPH-Gx (ug/L)	NWTPH-Diesel (ug/L)	NWTPH-Lube Oil (ug/L)
H-11-18-GW	5/26/2017	ND	ND	0.56
H-14-18-GW	5/26/2017	ND	ND	0.98
H-15-18-GW	5/26/2017	ND	ND	ND
MTCA Cleanup Level		1000/800*	500	500

ND Not Detected

* Benzene is detected

Table 7. **Volatile Organic Compounds Detected in Groundwater Samples**
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Acetone	Methylene Chloride	2-Butanone	Benzene	Toluene	Ethyl-benzene	Total-xylenes	Isopropyl-benzene	n-Propyl-benzene	1,3,5-Trimethyl-benzene	1,2,4-Trimethyl-benzene	sec-Butyl-benzene	p-Isopropyl-toluene	n-Butyl-benzene	Napthalene
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
H-11-18-GW	5/26/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-14-18-GW	5/26/2017	9.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-15-18-GW	5/26/2017	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTCA Cleanup Level		7200	5	No CUL	5	1000	700	1000	No CUL	No CUL	No CUL	No CUL	No CUL	No CUL	No CUL	160

ND Not Detected

Table 8. **Semi Volatile Organic Compounds Detected in Groundwater Samples**
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Napthalene	Anthracene	Acenaphthene	Acenaphthylene	2-Methyl naphthalene	1-Methyl naphthalene	Diethyl phthalate	Bis- (2-Ethylhexyl) phthalate	Di-n-butyl phthalate	Fluorene	Phenan-threne	Fluoran-thene	Pyrene	Benzo[a] pyrene	Benzo[a] anthracene	Benzo[b] fluor anthene	Benzo[j,k] fluor anthene	Chrysene	Indeno [1,2,3-cd] pyrene	Dibenz[a,h] anthracene	Benzo [g,h,i] perylene
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
H-11-18-GW	5/26/2017	ND	0.53	ND	0.17	ND	ND	3.3	2.7	22	0.16	1.2	0.54	0.54	0.022	0.065	0.033	ND	0.083	0.016	ND	0.020
H-14-18-GW	5/26/2017	ND	ND	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-15-18-GW	5/26/2017	ND	ND	0.11	ND	ND	ND	ND	ND	4.7	ND	ND	ND	0.15	ND	ND	ND	ND	ND	ND	ND	ND
MTCA Cleanup Level		160	4800	960	No CUL	32	560	12800	320	No CUL	640	No CUL	640	480	0.12	0.12	0.12	0.12	12	0.12	0.012	No CUL

ND No Detected
4600 Exceeds Cleanup Level

Table 9. Polychlorinated Biphenyls Detected in Groundwater Samples
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Aroclor 1016 (ug/L)	Aroclor 1212 (ug/L)	Aroclor 1232 (ug/L)	Aroclor 1242 (ug/L)	Aroclor 1248 (ug/L)	Aroclor 1254 (ug/L)	Aroclor 1260 (ug/L)
H-11-18-GW	5/26/2017	ND	ND	ND	ND	ND	ND	ND
H-14-18-GW	5/26/2017	ND	ND	ND	ND	ND	ND	ND
H-15-18-GW	5/26/2017	ND	ND	ND	ND	ND	ND	ND

ND Not Detected

Table 10. Total Metals Detected in Groundwater Samples
22nd Avenue East, East Montlake Place East and East Roanoke Street, Seattle, Washington

Sample ID	Sample Date	Arsenic (ug/L)	Barium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Lead (ug/L)	Mercury (ug/L)	Selenium (ug/L)	Silver (ug/L)
H-11-18-GW	5/26/2017	**480**	**14000**	13	5900	**510**	ND	23	ND
H-14-18-GW	5/26/2017	**230**	**8800**	ND	2400	**220**	ND	12	ND
H-15-18-GW	5/26/2017	**160**	**4600**	ND	1800	**180**	ND	13	ND
MTCA Cleanup Level		5	3200	80.0	24000	15	2	80	80

ND Not Detected

4600 Exceeds Cleanup Level

APPENDICES

APPENDIX A
BORING LOGS

Project: Montlake/520 #3	Project Number: 31008	Client: HDR	Boring No. H-11-18
Address, City, State: MONTLAKE MKT, SEATTLE WA		Drilling Contractor: Holocene	Drill Rig Type: SONIC
Logged By: M. Williams	Date Started: 5.25.18	Bit Type: SONIC	Diameter: 4"x6"
Drill Crew: Z. BAILEY	Date Completed: 5.25.18	Hammer Type: AUTODROP	
USA Ticket Number:	Date Backfilled: 5.25.18	Hammer Weight: 40 lbs	Hammer Drop: 30"
	Groundwater Depth: 23'	Elevation:	Total Depth of Boring: 25'

Depth (feet)	Sample Number	Blow Counts (blows/foot)	Graphic Log	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID	Recovery (%)	Additional Test
5		45 50/2		SILTY SAND, MED BROWN, DENSE, MOD WELL GRADED (F-M GR), ↑ B.C. DUE TO GRVL BRIDGING, SPT @ ≈ 5.5' (1/2-3/4 SUB-ROUNDED).	16.4	25	
10	H-11-18 -10	32 34 25		SILTY SAND, MED BROWN, MED DENSE, WELL GR (M GRAINED) MOIST-WET	22.8	100	
15		19 18 21		SILTY SAND, MED BROWN, MED DENSE, WELL GRADED (M. GRAINED), WET	12.1	100	
20		3 16 24		SILTY SAND, MED GREY, MOD WELL GRADED (F-M GRAINED), LOOSE GRADING INTO SILTY CLAY (MED GREY, STIFF-VERY STIFF), MOIST @ 21'	11.1	100	
25		18 50/6		SILTY CLAY, MED GREY, DRY, HARD,	2.9	100	
30							

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Boring Log: Sheet __of ___

- Standard Penetration Slit Spoon Sampler (SPT)
- California Sampler
- Shelby Tube
- CPP Sampler
- Bulk/ Bag Sample
- Stabllized Ground water
- Groundwater At time of Drilling

Project: Montlake/520 #3	Project Number: 31008	Client: HDR	Boring No. H-12-18
Address, City, State: MONTLAKE MKT, SEATTLE, WA		Drilling Contractor: Holocene	Drill Rig Type: SONIC
Logged By: M. Williams	Date Started: 5.17.18	Bit Type: SONIC	Diameter: 4" x 6"
Drill Crew: Z. BAILEY	Date Completed: 5.17.18	Hammer Type: AUTODROP	
USA Ticket Number:	Date Backfilled: 5.17.18	Hammer Weight: 40 lbs	Hammer Drop: 30"
	Groundwater Depth: NA	Elevation:	Total Depth of Boring: 20'

Depth (feet)	Sample Number	Blow Counts (blows/foot)	Graphic Log	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID	Recovery (%)	Additional Test
5		21 26 35	SM	SILTY SAND, LT BROWN, LOOSE - MED DENSE, DRY	1.2	100	
10		40 50/6	SM	SILTY SAND, LT GREY, DENSE - VERY DENSE, MOIST, MINOR (< 10%) GRVL & COARSE SAND (1/4"-3/4") WELL ROUNDED	0.3	50	
15	H-12-18 -15 20	50/6	SM	SAA. 1 NOISTLIRE (WETTEST ZONE)	0.0	25	
20		50/2	SM	SAA. DRY	0.0	15	
25							
30							

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Boring Log: Sheet 1 of 1

- Standard Penetration Slit Spoon Sampler (SPT)
- California Sampler
- Shelby Tube
- CPP Sampler
- Bulk/ Bag Sample
- Stabllized Ground water
- Groundwater At time of Drilling

Project: Montlake/520 #3	Project Number: 31008	Client: HDR	Boring No. H-13-18
Address, City, State: MONTLAKE MKT, SEATTLE, WA		Drilling Contractor: Holocene	Drill Rig Type: SONIC
Logged By: M. Williams	Date — Started: 5.26.18	Bit Type: SONIC	Diameter: 4"x6"
Drill Crew: Z. BAILEY	Date — Completed: 5.26.18	Hammer Type: AUTODROP	
USA Ticket Number:	Date — Backfilled: 5.26.18	Hammer Weight: 40 lbs	Hammer Drop: 30"
	Groundwater Depth: NA	Elevation:	Total Depth of Boring: 20'

Depth (feet)	Sample Number	Blow Counts (blows/foot)	Graphic Log	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID	Recovery (%)	Additional Test
5		7 15 19		SILTY CLAY, MED GREY, MED STIFF-STIFF DRY, RED MOTTLING (6'-6.5')	5.1	100	
10		29 32 31		SILTY CLAY, MED GREY, VERY STIFF, DRY	5.2	100	
15	H-13-18 -15	7 50/4		SILTY CLAY, MED GREY, HARD, MOIST, MINOR (<10%) COARSE SAND & GRVL (1/2"-3") SUB R - SUB ANG (TILL)	9.2	20	
20		50/2		SAA. FOUND ± 3" OF WATER @ BOTTOM OF BORING RECHECKED AFTER 1.5 HRS FOUND NO ADDITIONAL WATER - INSUFFICIENT FOR BAILING. (TILL) BAILER NOT DROPPING	0.8	10	
25							
30							

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Boring Log: Sheet 1 of 1

- Standard Penetration Slit Spoon Sampler (SPT)
- California Sampler
- Shelby Tube
- CPP Sampler
- Bulk/ Bag Sample
- Stabllized Ground water
- Groundwater At time of Drilling

Project: Montlake/520 #3	Project Number: 31008	Client: HDR	Boring No. H-14-18
Address, City, State: MONTLAKE MKT, SEATTLE, WA		Drilling Contractor: Holocene	Drill Rig Type: SONIC
Logged By: M. Williams	Date — Started: 5.24.18	Bit Type: SONIC	Diameter: 4" x 10"
Drill Crew: Z. BAILEY	Completed: 5.24.18	Hammer Type: AUTODROP	
USA Ticket Number:	Backfilled: 5.24.18	Hammer Weight: 40 lbs	Hammer Drop: 30"
	Groundwater Depth: 28'	Elevation:	Total Depth of Boring: 30'

Depth (feet)	Sample Number	Blow Counts (blows/foot)	Graphic Log	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID	Recovery (%)	Additional Test
5		0 2 3		SILTY CLAY, MED GREY, SOFT, DRY, RED MOTTLING (5.5-6.0')	7.8	100	
10	H-A-18 -10	8 7 5		SILTY CLAY, MED BROWN, MED-STIFF, DRY	11.4	100	
15		50/2		SILTY CLAY, MED GREY, HARD, DRY SILTY SAND, MED GREY (F GR) WELL-GRADED (VERY MOIST)	5.2	10	
20		7 17 21		SILTY SAND, MED GREY (F GR) WELL GRADED MOIST, DENSE	4.0	100	
25		8 17 21		SILTY SAND (SAA) GRADING TO SILTY CLAY (28') MED GREY, STIFF, MOIST (TILL).	4.2	100	
30		50/2		SAA SILTY CLAY (TILL)	4.0	20	

INNOVEX ENVIRONMENTAL MANAGEMENT, INC.

Boring Log: Sheet __of ___

- Standard Penetration Slit Spoon Sampler (SPT)
- California Sampler
- Shelby Tube
- CPP Sampler
- Bulk/ Bag Sample
- Stabllized Ground water
- Groundwater At time of Drilling

Project: Montlake/520 #3	Project Number: 31008	Client: HDR	Boring No. H-15-18
Address, City, State: MONTLAKE MAT, SEATTLE, WA		Drilling Contractor: Holocene	Drill Rig Type: SONIC
Logged By: M. Williams	Date Started: 5.26.18	Bit Type: SONIC	Diameter: 4" x 6"
Drill Crew: Z. BAILEY	Date Completed: 5.26.18	Hammer Type: AUTODROP	
USA Ticket Number:	Date Backfilled: 5.26.18	Hammer Weight: 40 lbs	Hammer Drop: 30"
	Groundwater Depth: ▽ ≈ 28'	Elevation:	Total Depth of Boring: 30

Depth (feet)	Sample Number	Blow Counts (blows/foot)	Graphic Log	Lithology **Soil Group Name:** modifier, color, moisture, density/consistency, grain size, other descriptors **Rock Description:** modifierm color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions.	PID	Recovery (%)	Additional Test
5		4 4 10		SILTY CLAY, MEDIUM GREY, MEDIUM STIFF-STIFF DRY. RED MOTTLING (4"-(5.5'-7')	8.2	100	
10		4 5 5		SILTY CLAY, MED GREY, STIFF, MOIST W/ SILTY SAND LENSES (MOIST, LOOSE, SUB ANG - SUB ROUNDED, ~ 1/8"-1/4")	11.4	100	
15	H-15-18 -15	7 9 15		SILTY SAND, MED GREY, LOOSE GRADING TO MODERATELY DENSE, ↑MOIST, MINOR (<10%) GRVL (F-COARSE SAND, SUB-ANGULAR (1/2-3/4")	11.8	100	
20		7 20 22		SAA	6.7	100	
25	H-15-18 -25	22 45 50/5		SILTY SAND (26'-26'), MED GREY, MED DENSE, MOIST, MINOR GRVL (<10%) OR COARSE SAND (SUB ANG - SUB-ROUNDED)	8.5	100	
				SILTY CLAY (26.9'-26.5'), VERY STIFF-HARD, MOIST, MINOR (10%) COARSE SAND (TILL)			
30		50/2	▽	SAA (30-31.5')	1.8	20	

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Boring Log: Sheet __ of ___

- Standard Penetration Slit Spoon Sampler (SPT)
- California Sampler
- Shelby Tube
- CPP Sampler
- Bulk/ Bag Sample
- Stabllized Ground water
- Groundwater At time of Drilling

APPENDIX B
ANALYTICAL REPORTS

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

May 24, 2018

Glenn Hayman
INNOVEX Environmental Mgt., Inc.
16310 NE 80th St., Suite 300
Redmond, WA 98052

Re: Analytical Data for Project Mountlake/520
Laboratory Reference No. 1805-191

Dear Glenn:

Enclosed are the analytical results and associated quality control data for samples submitted on May 18, 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: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

Case Narrative

Samples were collected on May 17, 2018 and received by the laboratory on May 18, 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

Sodium Bisulfate preservation has been proven to increase the frequency of detection and the concentration of Acetone and 2-Butanone due in part to chemical reactions in the sample. If Acetone is a potential site contaminant, Sodium Bisulfate should not be used.

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: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
Gasoline	**ND**	15	NWTPH-Gx	5-18-18	5-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*57-129*				

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
Gasoline	**ND**	5.0	NWTPH-Gx	5-18-18	5-18-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*57-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-150-76										
	ORIG	DUP									
Gasoline	**66.1**	**71.6**	NA	NA		NA		NA	8	30	
Surrogate:											
Fluorobenzene						*80*	*80*	*57-129*			

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
Diesel Range Organics	**ND**	27	NWTPH-Dx	5-21-18	5-21-18	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	5-21-18	5-21-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	5-21-18	5-21-18	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	5-21-18	5-21-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*88*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-191-04										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*93*	*89*	*50-150*			

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

VOLATILES EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
Dichlorodifluoromethane	ND	0.0013	EPA 8260C	5-21-18	5-21-18	
Chloromethane	0.0058	0.0039	EPA 8260C	5-21-18	5-21-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Bromomethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Chloroethane	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Acetone	ND	0.039	EPA 8260C	5-21-18	5-21-18	
Iodomethane	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
Carbon Disulfide	0.0015	0.00077	EPA 8260C	5-21-18	5-21-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Methyl t-Butyl Ether	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Vinyl Acetate	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
2-Butanone	ND	0.0077	EPA 8260C	5-21-18	5-21-18	
Bromochloromethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Chloroform	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Benzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Trichloroethene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Dibromomethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Methyl Isobutyl Ketone	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
Toluene	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

VOLATILES EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
2-Hexanone	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Chlorobenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Ethylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-21-18	5-21-18	
o-Xylene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Styrene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Bromoform	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
Isopropylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Bromobenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
n-Propylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,3,5-Trimethylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
tert-Butylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2,4-Trimethylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
sec-Butylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
p-Isopropyltoluene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
n-Butylbenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-21-18	5-21-18	
Naphthalene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	5-21-18	5-21-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*118*	*68-139*				
Toluene-d8	*113*	*79-128*				
4-Bromofluorobenzene	*112*	*71-132*				

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

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:	MB0521S1					
Dichlorodifluoromethane	ND	0.0017	EPA 8260C	5-21-18	5-21-18	
Chloromethane	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Bromomethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Chloroethane	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Acetone	ND	0.050	EPA 8260C	5-21-18	5-21-18	
Iodomethane	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
Carbon Disulfide	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Vinyl Acetate	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
2-Butanone	ND	0.010	EPA 8260C	5-21-18	5-21-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Chloroform	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Benzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
Toluene	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
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Project: Mountlake/520

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0521S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
2-Hexanone	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-21-18	5-21-18	
o-Xylene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Styrene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Bromoform	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
Isopropylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
n-Propylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
tert-Butylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
sec-Butylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
n-Butylbenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-21-18	5-21-18	
Naphthalene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-21-18	5-21-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*107*	*68-139*				
Toluene-d8	*104*	*79-128*				
4-Bromofluorobenzene	*105*	*71-132*				

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

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:	SB0521S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0570**	**0.0546**	0.0500	0.0500	114	109	53-141	4	17	
Benzene	**0.0495**	**0.0493**	0.0500	0.0500	99	99	70-130	0	15	
Trichloroethene	**0.0440**	**0.0449**	0.0500	0.0500	88	90	74-122	2	16	
Toluene	**0.0510**	**0.0504**	0.0500	0.0500	102	101	76-130	1	15	
Chlorobenzene	**0.0470**	**0.0468**	0.0500	0.0500	94	94	75-120	0	14	
Surrogate:										
Dibromofluoromethane					*122*	*113*	*68-139*			
Toluene-d8					*118*	*112*	*79-128*			
4-Bromofluorobenzene					*118*	*109*	*71-132*			

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

SEMIVOLATILES EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
n-Nitrosodimethylamine	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Pyridine	**ND**	0.36	EPA 8270D	5-23-18	5-23-18	
Phenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Aniline	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
bis(2-Chloroethyl)ether	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2-Chlorophenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
1,3-Dichlorobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
1,4-Dichlorobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Benzyl alcohol	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
1,2-Dichlorobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2-Methylphenol (o-Cresol)	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
bis(2-Chloroisopropyl)ether	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
n-Nitroso-di-n-propylamine	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Hexachloroethane	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Nitrobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Isophorone	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2-Nitrophenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,4-Dimethylphenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
bis(2-Chloroethoxy)methane	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,4-Dichlorophenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Naphthalene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
4-Chloroaniline	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
Hexachlorobutadiene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
4-Chloro-3-methylphenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2-Methylnaphthalene	**ND**	0.013	EPA 8270D/SIM	5-23-18	5-23-18	
1-Methylnaphthalene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Hexachlorocyclopentadiene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,4,6-Trichlorophenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,3-Dichloroaniline	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,4,5-Trichlorophenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2-Chloronaphthalene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2-Nitroaniline	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
1,4-Dinitrobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Dimethylphthalate	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
1,3-Dinitrobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,6-Dinitrotoluene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
1,2-Dinitrobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Acenaphthylene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
3-Nitroaniline	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

SEMIVOLATILES EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
Acenaphthene	**ND**	0.013	EPA 8270D/SIM	5-23-18	5-23-18	
4-Nitrophenol	**ND**	0.054	EPA 8270D	5-23-18	5-23-18	
2,4-Dinitrotoluene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Dibenzofuran	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Diethylphthalate	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
4-Chlorophenyl-phenylether	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
4-Nitroaniline	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Fluorene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
n-Nitrosodiphenylamine	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
1,2-Diphenylhydrazine	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
4-Bromophenyl-phenylether	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Hexachlorobenzene	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Pentachlorophenol	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
Phenanthrene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Anthracene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Carbazole	**ND**	0.036	EPA 8270D	5-23-18	5-23-18	
Di-n-butylphthalate	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
Fluoranthene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Benzidine	**ND**	0.36	EPA 8270D	5-23-18	5-23-18	
Pyrene	**ND**	0.013	EPA 8270D/SIM	5-23-18	5-23-18	
Butylbenzylphthalate	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
3,3'-Dichlorobenzidine	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
Benzo[a]anthracene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Chrysene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
Di-n-octylphthalate	**ND**	0.18	EPA 8270D	5-23-18	5-23-18	
Benzo[b]fluoranthene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Benzo(j,k)fluoranthene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Benzo[a]pyrene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Dibenz[a,h]anthracene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Benzo[g,h,i]perylene	**ND**	0.0073	EPA 8270D/SIM	5-23-18	5-23-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*75*	*19 - 103*				
Phenol-d6	*76*	*30 - 103*				
Nitrobenzene-d5	*56*	*27 - 105*				
2-Fluorobiphenyl	*75*	*36 - 102*				
2,4,6-Tribromophenol	*85*	*33 - 110*				
Terphenyl-d14	*83*	*38 - 108*				

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0523S1					
n-Nitrosodimethylamine	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Pyridine	**ND**	0.33	EPA 8270D	5-23-18	5-23-18	
Phenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Aniline	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2-Chlorophenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Benzyl alcohol	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
n-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Hexachloroethane	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Nitrobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Isophorone	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2-Nitrophenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
4-Chloroaniline	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
Hexachlorobutadiene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2-Methylnaphthalene	**ND**	0.012	EPA 8270D/SIM	5-23-18	5-23-18	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2-Chloronaphthalene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2-Nitroaniline	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Dimethylphthalate	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
3-Nitroaniline	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0523S1					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
Acenaphthene	**ND**	0.012	EPA 8270D/SIM	5-23-18	5-23-18	
4-Nitrophenol	**ND**	0.050	EPA 8270D	5-23-18	5-23-18	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Dibenzofuran	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Diethylphthalate	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
4-Nitroaniline	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
n-Nitrosodiphenylamine	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Hexachlorobenzene	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Pentachlorophenol	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Carbazole	**ND**	0.033	EPA 8270D	5-23-18	5-23-18	
Di-n-butylphthalate	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Benzidine	**ND**	0.33	EPA 8270D	5-23-18	5-23-18	
Pyrene	**ND**	0.012	EPA 8270D/SIM	5-23-18	5-23-18	
Butylbenzylphthalate	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
bis-2-Ethylhexyladipate	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
3,3'-Dichlorobenzidine	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
Di-n-octylphthalate	**ND**	0.17	EPA 8270D	5-23-18	5-23-18	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	5-23-18	5-23-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*88*	*19 - 103*				
Phenol-d6	*89*	*30 - 103*				
Nitrobenzene-d5	*89*	*27 - 105*				
2-Fluorobiphenyl	*88*	*36 - 102*				
2,4,6-Tribromophenol	*104*	*33 - 110*				
Terphenyl-d14	*97*	*38 - 108*				

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

SEMIVOLATILES EPA 8270D/SIM
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:	SB0523S1									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.14**	**1.12**	1.33	1.33	86	84	45 - 94	2	29	
2-Chlorophenol	**1.16**	**1.14**	1.33	1.33	87	86	46 - 94	2	33	
1,4-Dichlorobenzene	**0.577**	**0.563**	0.667	0.667	87	84	42 - 91	2	37	
n-Nitroso-di-n-propylamine	**0.539**	**0.527**	0.667	0.667	81	79	45 - 95	2	26	
1,2,4-Trichlorobenzene	**0.589**	**0.577**	0.667	0.667	88	87	45 - 92	2	32	
4-Chloro-3-methylphenol	**1.19**	**1.16**	1.33	1.33	89	87	55 - 97	3	21	
Acenaphthene	**0.579**	**0.566**	0.667	0.667	87	85	48 - 91	2	21	
4-Nitrophenol	**1.22**	**1.22**	1.33	1.33	92	92	53 - 102	0	20	
2,4-Dinitrotoluene	**0.555**	**0.551**	0.667	0.667	83	83	47 - 96	1	19	
Pentachlorophenol	**1.25**	**1.27**	1.33	1.33	94	95	35 - 118	2	26	
Pyrene	**0.601**	**0.599**	0.667	0.667	90	90	55 - 95	0	17	
Surrogate:										
2-Fluorophenol					*81*	*79*	*19 - 103*			
Phenol-d6					*81*	*79*	*30 - 103*			
Nitrobenzene-d5					*82*	*79*	*27 - 105*			
2-Fluorobiphenyl					*81*	*78*	*36 - 102*			
2,4,6-Tribromophenol					*94*	*92*	*33 - 110*			
Terphenyl-d14					*89*	*87*	*38 - 108*			

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
Aroclor 1016	**ND**	0.054	EPA 8082A	5-21-18	5-21-18	
Aroclor 1221	**ND**	0.054	EPA 8082A	5-21-18	5-21-18	
Aroclor 1232	**ND**	0.054	EPA 8082A	5-21-18	5-21-18	
Aroclor 1242	**ND**	0.054	EPA 8082A	5-21-18	5-21-18	
Aroclor 1248	**ND**	0.054	EPA 8082A	5-21-18	5-21-18	
Aroclor 1254	**ND**	0.054	EPA 8082A	5-21-18	5-21-18	
Aroclor 1260	**ND**	0.054	EPA 8082A	5-21-18	5-21-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*77*	*39-130*				

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0521S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	5-21-18	5-21-18	
Aroclor 1221	**ND**	0.050	EPA 8082A	5-21-18	5-21-18	
Aroclor 1232	**ND**	0.050	EPA 8082A	5-21-18	5-21-18	
Aroclor 1242	**ND**	0.050	EPA 8082A	5-21-18	5-21-18	
Aroclor 1248	**ND**	0.050	EPA 8082A	5-21-18	5-21-18	
Aroclor 1254	**ND**	0.050	EPA 8082A	5-21-18	5-21-18	
Aroclor 1260	**ND**	0.050	EPA 8082A	5-21-18	5-21-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*39-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-191-04										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.419**	**0.440**	0.500	0.500	ND	**84**	**88**	45-118	5	15	
Surrogate:											
DCB						*76*	*74*	*39-130*			

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-12-18-20**					
Laboratory ID:	05-191-04					
Arsenic	**ND**	11	EPA 6010D	5-18-18	5-18-18	
Barium	**73**	2.7	EPA 6010D	5-18-18	5-18-18	
Cadmium	**ND**	0.54	EPA 6010D	5-18-18	5-18-18	
Chromium	**140**	0.54	EPA 6010D	5-18-18	5-18-18	
Lead	**ND**	5.4	EPA 6010D	5-18-18	5-18-18	
Mercury	**ND**	0.27	EPA 7471B	5-18-18	5-18-18	
Selenium	**ND**	11	EPA 6010D	5-18-18	5-18-18	
Silver	**ND**	1.1	EPA 6010D	5-18-18	5-18-18	

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

TOTAL METALS
EPA 6010D/7471B
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518SM1					
Arsenic	**ND**	10	EPA 6010D	5-18-18	5-18-18	
Barium	**ND**	2.5	EPA 6010D	5-18-18	5-18-18	
Cadmium	**ND**	0.50	EPA 6010D	5-18-18	5-18-18	
Chromium	**ND**	0.50	EPA 6010D	5-18-18	5-18-18	
Lead	**ND**	5.0	EPA 6010D	5-18-18	5-18-18	
Selenium	**ND**	10	EPA 6010D	5-18-18	5-18-18	
Silver	**ND**	1.0	EPA 6010D	5-18-18	5-18-18	
Laboratory ID:	MB0518S1					
Mercury	**ND**	0.25	EPA 7471B	5-18-18	5-18-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-189-01									
	ORIG	DUP								
Arsenic	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Barium	**83.6**	**89.5**	NA	NA		NA	NA	7	20	
Cadmium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Chromium	**38.2**	**41.8**	NA	NA		NA	NA	9	20	
Lead	**31.0**	**29.9**	NA	NA		NA	NA	3	20	
Selenium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Silver	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Laboratory ID:	05-183-02									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	05-189-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	**95.1**	**104**	100	100	ND	**95**	**104**	75-125	9	20
Barium	**192**	**199**	100	100	83.6	**108**	**116**	75-125	4	20
Cadmium	**51.8**	**51.9**	50.0	50.0	ND	**104**	**104**	75-125	0	20
Chromium	**136**	**129**	100	100	38.2	**98**	**91**	75-125	5	20
Lead	**280**	**294**	250	250	31.0	**99**	**105**	75-125	5	20
Selenium	**95.8**	**99.6**	100	100	ND	**96**	**100**	75-125	4	20
Silver	**21.8**	**22.7**	25.0	25.0	ND	**87**	**91**	75-125	4	20
Laboratory ID:	05-183-02									
Mercury	**0.565**	**0.564**	0.500	0.500	0.0317	**107**	**106**	80-120	0	20

Date of Report: May 24, 2018
Samples Submitted: May 18, 2018
Laboratory Reference: 1805-191
Project: Mountlake/520

% MOISTURE

Date Analyzed: 5-21-18

Client ID	Lab ID	% Moisture
H-12-18-20	05-191-04	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

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: INNOVEX
Project Number:
Project Name: MONTLAKE / 520
Project Manager: GLENN HOLMAN
Sampled by: M. WILLIAMS

Turnaround Request (in working days)
(Check One)
☐ Same Day ☒ NO Day
☒ 2 Days ☐ 3 Days
☐ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 05-191

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	H-12-18-5	5.17	1205	S	5
2	H-12-18-10	↓	1222	↓	↓
3	H-12-18-15		1248		
4	H-12-18-20	↓	1330	↓	↓

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	HOLD				% Moisture
1			X (NO)															X				
2																		X				
3																		X				
4			X	X	X			X		X				X								X

	Signature	Company	Date	Time
Relinquished	[signature]	IEM	5/18/18	1025
Received	[signature]	OSE	5/18/18	1025
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
PRESERVED SOIL VIALS.

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 1, 2018

Glenn Hayman
INNOVEX Environmental Mgt., Inc.
16310 NE 80th St., Suite 300
Redmond, WA 98052

Re: Analytical Data for Project 520/Montlake
Laboratory Reference No. 1805-286

Dear Glenn:

Enclosed are the analytical results and associated quality control data for samples submitted on May 29, 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 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

Case Narrative

Samples were collected on May 26, 2018 and received by the laboratory on May 29, 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 (soil) Analysis

Sodium Bisulfate preservation has been proven to increase the frequency of detection and the concentration of Acetone and 2-Butanone due in part to chemical reactions in the sample. If Acetone is a potential site contaminant, Sodium Bisulfate should not be used.

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: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Gx

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
Gasoline	**ND**	6.0	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*57-129*				
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
Gasoline	**ND**	7.7	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*57-129*				
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
Gasoline	**ND**	12	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*57-129*				
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
Gasoline	**ND**	7.5	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*109*	*57-129*				
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
Gasoline	**ND**	6.5	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*57-129*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Gx
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S2					
Gasoline	**ND**	5.0	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*57-129*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-268-03										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*83*	*85*	*57-129*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
Gasoline	**ND**	100	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*66-117*				
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
Gasoline	**ND**	100	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*66-117*				
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
Gasoline	**ND**	100	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*66-117*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529W2					
Gasoline	**ND**	100	NWTPH-Gx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*66-117*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-248-04										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*83*	*83*	*66-117*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
Diesel Range Organics	**ND**	30	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*72*	*50-150*				
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
Diesel Range Organics	**ND**	28	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	**ND**	55	NWTPH-Dx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*77*	*50-150*				
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
Diesel Range Organics	**ND**	35	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	**ND**	69	NWTPH-Dx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*70*	*50-150*				
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
Diesel Range Organics	**ND**	29	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	**ND**	58	NWTPH-Dx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*89*	*50-150*				
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
Diesel Range Organics	**ND**	28	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	**ND**	56	NWTPH-Dx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*75*	*50-150*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S2					
Diesel Range Organics	**ND**	25	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*102*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-285-01										
	ORIG	DUP									
Diesel Fuel #2	**488**	**313**	NA	NA		NA		NA	44	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*79*	*76*	*50-150*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	5-30-18	5-30-18	
Lube Oil Range Organics	**0.56**	0.40	NWTPH-Dx	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
Diesel Range Organics	**ND**	0.27	NWTPH-Dx	5-30-18	5-30-18	U1
Lube Oil Range Organics	**0.98**	0.40	NWTPH-Dx	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
Diesel Range Organics	**ND**	0.28	NWTPH-Dx	5-30-18	5-30-18	
Lube Oil Range Organics	**ND**	0.45	NWTPH-Dx	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*101*	*50-150*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0530W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	5-30-18	5-30-18	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0530W1										
	ORIG	DUP									
Diesel Range	**1.09**	**1.01**	NA	NA		NA		NA	8	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*95*	*87*	*50-150*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Chloromethane	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Bromomethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Chloroethane	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Acetone	ND	0.045	EPA 8260C	5-29-18	5-30-18	
Iodomethane	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
Carbon Disulfide	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Methylene Chloride	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Methyl t-Butyl Ether	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Vinyl Acetate	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
2-Butanone	ND	0.0090	EPA 8260C	5-29-18	5-30-18	
Bromochloromethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Chloroform	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Benzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Trichloroethene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Dibromomethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Methyl Isobutyl Ketone	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
Toluene	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

VOLATILES EPA 8260C
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Tetrachloroethene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
2-Hexanone	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Chlorobenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Ethylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
o-Xylene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Styrene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Bromoform	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
Isopropylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Bromobenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
n-Propylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
tert-Butylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
sec-Butylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
p-Isopropyltoluene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
n-Butylbenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	5-29-18	5-30-18	
Naphthalene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	5-29-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-139*				
Toluene-d8	*100*	*79-128*				
4-Bromofluorobenzene	*102*	*71-132*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
Dichlorodifluoromethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Chloromethane	ND	0.013	EPA 8260C	5-29-18	5-30-18	
Vinyl Chloride	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Bromomethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Chloroethane	ND	0.013	EPA 8260C	5-29-18	5-30-18	
Trichlorofluoromethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Acetone	ND	0.13	EPA 8260C	5-29-18	5-30-18	
Iodomethane	ND	0.013	EPA 8260C	5-29-18	5-30-18	
Carbon Disulfide	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Methylene Chloride	ND	0.013	EPA 8260C	5-29-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Methyl t-Butyl Ether	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Vinyl Acetate	ND	0.013	EPA 8260C	5-29-18	5-30-18	
2,2-Dichloropropane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
2-Butanone	ND	0.026	EPA 8260C	5-29-18	5-30-18	
Bromochloromethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Chloroform	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,1,1-Trichloroethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Carbon Tetrachloride	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloropropene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Benzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloroethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Trichloroethene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloropropane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Dibromomethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Bromodichloromethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.013	EPA 8260C	5-29-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Methyl Isobutyl Ketone	ND	0.013	EPA 8260C	5-29-18	5-30-18	
Toluene	ND	0.013	EPA 8260C	5-29-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
1,1,2-Trichloroethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Tetrachloroethene	ND	0.0051	EPA 8260C	5-29-18	5-30-18	
1,3-Dichloropropane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
2-Hexanone	ND	0.013	EPA 8260C	5-29-18	5-30-18	
Dibromochloromethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromoethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Chlorobenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Ethylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
m,p-Xylene	ND	0.0051	EPA 8260C	5-29-18	5-30-18	
o-Xylene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Styrene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Bromoform	ND	0.013	EPA 8260C	5-29-18	5-30-18	
Isopropylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Bromobenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichloropropane	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
n-Propylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
2-Chlorotoluene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
4-Chlorotoluene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
tert-Butylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
sec-Butylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,3-Dichlorobenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
p-Isopropyltoluene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,4-Dichlorobenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2-Dichlorobenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
n-Butylbenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.013	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Hexachlorobutadiene	ND	0.013	EPA 8260C	5-29-18	5-30-18	
Naphthalene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.0026	EPA 8260C	5-29-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-139*				
Toluene-d8	*104*	*79-128*				
4-Bromofluorobenzene	*105*	*71-132*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
Dichlorodifluoromethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Chloromethane	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
Vinyl Chloride	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Bromomethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Chloroethane	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
Trichlorofluoromethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Acetone	ND	0.091	EPA 8260C	5-29-18	5-30-18	
Iodomethane	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
Carbon Disulfide	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Methylene Chloride	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Methyl t-Butyl Ether	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Vinyl Acetate	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
2,2-Dichloropropane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
2-Butanone	ND	0.018	EPA 8260C	5-29-18	5-30-18	
Bromochloromethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Chloroform	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,1,1-Trichloroethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Carbon Tetrachloride	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloropropene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Benzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloroethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Trichloroethene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloropropane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Dibromomethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Bromodichloromethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Methyl Isobutyl Ketone	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
Toluene	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	

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Samples Submitted: May 29, 2018
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Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
1,1,2-Trichloroethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Tetrachloroethene	ND	0.0036	EPA 8260C	5-29-18	5-30-18	
1,3-Dichloropropane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
2-Hexanone	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
Dibromochloromethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromoethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Chlorobenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Ethylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
m,p-Xylene	ND	0.0036	EPA 8260C	5-29-18	5-30-18	
o-Xylene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Styrene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Bromoform	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
Isopropylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Bromobenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichloropropane	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
n-Propylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
2-Chlorotoluene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
4-Chlorotoluene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
tert-Butylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
sec-Butylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,3-Dichlorobenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
p-Isopropyltoluene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,4-Dichlorobenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2-Dichlorobenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
n-Butylbenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Hexachlorobutadiene	ND	0.0091	EPA 8260C	5-29-18	5-30-18	
Naphthalene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.0018	EPA 8260C	5-29-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-139*				
Toluene-d8	*100*	*79-128*				
4-Bromofluorobenzene	*101*	*71-132*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Chloromethane	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Bromomethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Chloroethane	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Acetone	ND	0.057	EPA 8260C	5-29-18	5-30-18	
Iodomethane	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
Carbon Disulfide	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Methylene Chloride	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Vinyl Acetate	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
2-Butanone	ND	0.011	EPA 8260C	5-29-18	5-30-18	
Bromochloromethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Chloroform	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Benzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Trichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Dibromomethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
Toluene	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Tetrachloroethene	ND	0.0023	EPA 8260C	5-29-18	5-30-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
2-Hexanone	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Chlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Ethylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
m,p-Xylene	ND	0.0023	EPA 8260C	5-29-18	5-30-18	
o-Xylene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Styrene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Bromoform	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
Isopropylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Bromobenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
n-Propylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
tert-Butylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
sec-Butylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
p-Isopropyltoluene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
n-Butylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Hexachlorobutadiene	ND	0.0057	EPA 8260C	5-29-18	5-30-18	
Naphthalene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*68-139*				
Toluene-d8	*103*	*79-128*				
4-Bromofluorobenzene	*101*	*71-132*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

VOLATILES EPA 8260C
page 1 of 2

Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Chloromethane	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Bromomethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Chloroethane	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Acetone	ND	0.058	EPA 8260C	5-29-18	5-30-18	
Iodomethane	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
Carbon Disulfide	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Methylene Chloride	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Vinyl Acetate	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
2-Butanone	ND	0.012	EPA 8260C	5-29-18	5-30-18	
Bromochloromethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Chloroform	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Benzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Trichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Dibromomethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Methyl Isobutyl Ketone	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
Toluene	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Tetrachloroethene	ND	0.0023	EPA 8260C	5-29-18	5-30-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
2-Hexanone	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Chlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Ethylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
m,p-Xylene	ND	0.0023	EPA 8260C	5-29-18	5-30-18	
o-Xylene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Styrene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Bromoform	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
Isopropylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Bromobenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
n-Propylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
2-Chlorotoluene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
4-Chlorotoluene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
tert-Butylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
sec-Butylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
p-Isopropyltoluene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
n-Butylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Hexachlorobutadiene	ND	0.0058	EPA 8260C	5-29-18	5-30-18	
Naphthalene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*96*	*68-139*				
Toluene-d8	*101*	*79-128*				
4-Bromofluorobenzene	*107*	*71-132*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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:	MB0529S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Acetone	ND	0.050	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Carbon Disulfide	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Vinyl Acetate	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Butanone	ND	0.010	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0529S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0020	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Hexanone	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Styrene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Isopropylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
n-Propylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
tert-Butylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
sec-Butylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
n-Butylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Naphthalene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*68-139*				
Toluene-d8	*124*	*79-128*				
4-Bromofluorobenzene	*123*	*71-132*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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:	SB0529S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0497**	**0.0504**	0.0500	0.0500	99	101	53-141	1	17	
Benzene	**0.0501**	**0.0524**	0.0500	0.0500	100	105	70-130	4	15	
Trichloroethene	**0.0519**	**0.0533**	0.0500	0.0500	104	107	74-122	3	16	
Toluene	**0.0539**	**0.0554**	0.0500	0.0500	108	111	76-130	3	15	
Chlorobenzene	**0.0496**	**0.0516**	0.0500	0.0500	99	103	75-120	4	14	
Surrogate:										
Dibromofluoromethane					*93*	*91*	*68-139*			
Toluene-d8					*101*	*99*	*79-128*			
4-Bromofluorobenzene					*103*	*101*	*71-132*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

VOLATILES EPA 8260C
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Acetone	ND	5.0	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	1.8	EPA 8260C	5-30-18	5-30-18	
Carbon Disulfide	ND	0.28	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Vinyl Acetate	ND	1.0	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Butanone	ND	5.0	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Hexanone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Styrene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Isopropylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Propylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
tert-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
sec-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
p-Isopropyltoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Naphthalene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*98*	*78-125*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Acetone	9.7	5.0	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	1.8	EPA 8260C	5-30-18	5-30-18	
Carbon Disulfide	ND	0.28	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Vinyl Acetate	ND	1.0	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Butanone	ND	5.0	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Hexanone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Styrene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Isopropylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Propylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
tert-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
sec-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
p-Isopropyltoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Naphthalene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Acetone	5.0	5.0	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	1.8	EPA 8260C	5-30-18	5-30-18	
Carbon Disulfide	ND	0.28	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Vinyl Acetate	ND	1.0	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Butanone	ND	5.0	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Hexanone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Styrene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Isopropylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Propylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
tert-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
sec-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
p-Isopropyltoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Naphthalene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*105*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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:	MB0530W1					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.29	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Acetone	ND	5.0	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	1.8	EPA 8260C	5-30-18	5-30-18	
Carbon Disulfide	ND	0.28	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Vinyl Acetate	ND	1.0	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Butanone	ND	5.0	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0530W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Hexanone	ND	2.0	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Styrene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Isopropylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Propylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
tert-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
sec-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
p-Isopropyltoluene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
n-Butylbenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
Naphthalene	ND	1.0	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*103*	*75-127*				
Toluene-d8	*102*	*80-127*				
4-Bromofluorobenzene	*99*	*78-125*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

VOLATILES by 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:	05-261-03										
	MS	MSD	MS	MSD		MS	MSD				
1,1-Dichloroethene	**10.3**	**10.3**	10.0	10.0	ND	103	103	60-124	0	17	
Benzene	**10.2**	**10.3**	10.0	10.0	ND	102	103	67-130	1	22	
Trichloroethene	**10.4**	**10.4**	10.0	10.0	ND	104	104	71-120	0	15	
Toluene	**10.5**	**10.5**	10.0	10.0	ND	105	105	79-118	0	24	
Chlorobenzene	**9.68**	**9.68**	10.0	10.0	ND	97	97	74-120	0	17	
Surrogate:											
Dibromofluoromethane						*103*	*101*	*75-127*			
Toluene-d8						*104*	*102*	*80-127*			
4-Bromofluorobenzene						*100*	*99*	*78-125*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
n-Nitrosodimethylamine	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Pyridine	**ND**	0.40	EPA 8270D	5-30-18	5-30-18	
Phenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Aniline	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2-Chlorophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
1,3-Dichlorobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
1,4-Dichlorobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Benzyl alcohol	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
1,2-Dichlorobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Hexachloroethane	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Nitrobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Isophorone	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2-Nitrophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,4-Dimethylphenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,4-Dichlorophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Naphthalene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
4-Chloroaniline	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
Hexachlorobutadiene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,3-Dichloroaniline	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2-Chloronaphthalene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2-Nitroaniline	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
1,4-Dinitrobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Dimethylphthalate	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
1,3-Dinitrobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,6-Dinitrotoluene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
1,2-Dinitrobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Acenaphthylene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
3-Nitroaniline	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
2,4-Dinitrophenol	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
Acenaphthene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
4-Nitrophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,4-Dinitrotoluene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Dibenzofuran	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Diethylphthalate	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
4-Nitroaniline	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Fluorene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Hexachlorobenzene	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Pentachlorophenol	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
Phenanthrene	**0.013**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Anthracene	**0.0080**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Carbazole	**ND**	0.040	EPA 8270D	5-30-18	5-30-18	
Di-n-butylphthalate	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
Fluoranthene	**0.0096**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Benzidine	**ND**	0.40	EPA 8270D	5-30-18	5-30-18	
Pyrene	**0.013**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Butylbenzylphthalate	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Chrysene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
Di-n-octylphthalate	**ND**	0.20	EPA 8270D	5-30-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.0079	EPA 8270D/SIM	5-30-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*62*	*19 - 103*				
Phenol-d6	*62*	*30 - 103*				
Nitrobenzene-d5	*53*	*27 - 105*				
2-Fluorobiphenyl	*66*	*36 - 102*				
2,4,6-Tribromophenol	*72*	*33 - 110*				
Terphenyl-d14	*66*	*38 - 108*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Pyridine	**ND**	0.37	EPA 8270D	5-30-18	5-30-18	
Phenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Aniline	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Chlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Benzyl alcohol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Hexachloroethane	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Nitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Isophorone	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Nitrophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Naphthalene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
4-Chloroaniline	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Hexachlorobutadiene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Methylnaphthalene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
1-Methylnaphthalene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Chloronaphthalene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Nitroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Dimethylphthalate	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Acenaphthylene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
3-Nitroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Acenaphthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
4-Nitrophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Dibenzofuran	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Diethylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
4-Nitroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Fluorene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Hexachlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Pentachlorophenol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Phenanthrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Anthracene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Carbazole	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Di-n-butylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Fluoranthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzidine	**ND**	0.37	EPA 8270D	5-30-18	5-30-18	
Pyrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Butylbenzylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Benzo[a]anthracene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Chrysene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Di-n-octylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[a]pyrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*62*	*19 - 103*				
Phenol-d6	*62*	*30 - 103*				
Nitrobenzene-d5	*59*	*27 - 105*				
2-Fluorobiphenyl	*66*	*36 - 102*				
2,4,6-Tribromophenol	*77*	*33 - 110*				
Terphenyl-d14	*72*	*38 - 108*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
n-Nitrosodimethylamine	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Pyridine	**ND**	0.46	EPA 8270D	5-30-18	5-30-18	
Phenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Aniline	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2-Chlorophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
1,3-Dichlorobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
1,4-Dichlorobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Benzyl alcohol	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
1,2-Dichlorobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Hexachloroethane	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Nitrobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Isophorone	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2-Nitrophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,4-Dimethylphenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,4-Dichlorophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Naphthalene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
4-Chloroaniline	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
Hexachlorobutadiene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
1-Methylnaphthalene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,3-Dichloroaniline	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2-Chloronaphthalene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2-Nitroaniline	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
1,4-Dinitrobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Dimethylphthalate	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
1,3-Dinitrobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,6-Dinitrotoluene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
1,2-Dinitrobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Acenaphthylene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
3-Nitroaniline	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
2,4-Dinitrophenol	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
Acenaphthene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
4-Nitrophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,4-Dinitrotoluene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Dibenzofuran	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Diethylphthalate	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
4-Nitroaniline	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Fluorene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Hexachlorobenzene	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Pentachlorophenol	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
Phenanthrene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Anthracene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Carbazole	**ND**	0.046	EPA 8270D	5-30-18	5-30-18	
Di-n-butylphthalate	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
Fluoranthene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Benzidine	**ND**	0.46	EPA 8270D	5-30-18	5-30-18	
Pyrene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Butylbenzylphthalate	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
Benzo[a]anthracene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Chrysene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
Di-n-octylphthalate	**ND**	0.23	EPA 8270D	5-30-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[a]pyrene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.0092	EPA 8270D/SIM	5-30-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*73*	*19 - 103*				
Phenol-d6	*69*	*30 - 103*				
Nitrobenzene-d5	*70*	*27 - 105*				
2-Fluorobiphenyl	*74*	*36 - 102*				
2,4,6-Tribromophenol	*81*	*33 - 110*				
Terphenyl-d14	*73*	*38 - 108*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
n-Nitrosodimethylamine	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Pyridine	**ND**	0.38	EPA 8270D	5-30-18	5-30-18	
Phenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Aniline	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2-Chlorophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
1,3-Dichlorobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
1,4-Dichlorobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Benzyl alcohol	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
1,2-Dichlorobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Hexachloroethane	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Nitrobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Isophorone	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2-Nitrophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,4-Dimethylphenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,4-Dichlorophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Naphthalene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
4-Chloroaniline	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
Hexachlorobutadiene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2-Methylnaphthalene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
1-Methylnaphthalene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,3-Dichloroaniline	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2-Chloronaphthalene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2-Nitroaniline	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
1,4-Dinitrobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Dimethylphthalate	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
1,3-Dinitrobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,6-Dinitrotoluene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
1,2-Dinitrobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Acenaphthylene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
3-Nitroaniline	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
2,4-Dinitrophenol	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
Acenaphthene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
4-Nitrophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,4-Dinitrotoluene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Dibenzofuran	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Diethylphthalate	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
4-Nitroaniline	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Fluorene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Hexachlorobenzene	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Pentachlorophenol	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
Phenanthrene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Anthracene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Carbazole	**ND**	0.038	EPA 8270D	5-30-18	5-30-18	
Di-n-butylphthalate	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
Fluoranthene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Benzidine	**ND**	0.38	EPA 8270D	5-30-18	5-30-18	
Pyrene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Butylbenzylphthalate	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
Benzo[a]anthracene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Chrysene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
Di-n-octylphthalate	**ND**	0.19	EPA 8270D	5-30-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[a]pyrene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.0077	EPA 8270D/SIM	5-30-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*71*	*19 - 103*				
Phenol-d6	*69*	*30 - 103*				
Nitrobenzene-d5	*66*	*27 - 105*				
2-Fluorobiphenyl	*70*	*36 - 102*				
2,4,6-Tribromophenol	*78*	*33 - 110*				
Terphenyl-d14	*70*	*38 - 108*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
n-Nitrosodimethylamine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Pyridine	**ND**	0.37	EPA 8270D	5-30-18	5-30-18	
Phenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Aniline	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Chlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,3-Dichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,4-Dichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Benzyl alcohol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
1,2-Dichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Hexachloroethane	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Nitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Isophorone	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Nitrophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4-Dimethylphenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4-Dichlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Naphthalene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
4-Chloroaniline	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Hexachlorobutadiene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Methylnaphthalene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
1-Methylnaphthalene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,3-Dichloroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Chloronaphthalene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2-Nitroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,4-Dinitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Dimethylphthalate	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,3-Dinitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,6-Dinitrotoluene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,2-Dinitrobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Acenaphthylene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
3-Nitroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
2,4-Dinitrophenol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Acenaphthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
4-Nitrophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,4-Dinitrotoluene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Dibenzofuran	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Diethylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
4-Nitroaniline	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Fluorene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Hexachlorobenzene	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Pentachlorophenol	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Phenanthrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Anthracene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Carbazole	**ND**	0.037	EPA 8270D	5-30-18	5-30-18	
Di-n-butylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Fluoranthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzidine	**ND**	0.37	EPA 8270D	5-30-18	5-30-18	
Pyrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Butylbenzylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Benzo[a]anthracene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Chrysene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Di-n-octylphthalate	**ND**	0.18	EPA 8270D	5-30-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[a]pyrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.0074	EPA 8270D/SIM	5-30-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*79*	*19 - 103*				
Phenol-d6	*77*	*30 - 103*				
Nitrobenzene-d5	*72*	*27 - 105*				
2-Fluorobiphenyl	*78*	*36 - 102*				
2,4,6-Tribromophenol	*92*	*33 - 110*				
Terphenyl-d14	*84*	*38 - 108*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0530S2					
n-Nitrosodimethylamine	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Pyridine	**ND**	0.33	EPA 8270D	5-30-18	5-30-18	
Phenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Aniline	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2-Chlorophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
1,3-Dichlorobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
1,4-Dichlorobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Benzyl alcohol	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
1,2-Dichlorobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Hexachloroethane	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Nitrobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Isophorone	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2-Nitrophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,4-Dimethylphenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,4-Dichlorophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
4-Chloroaniline	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
Hexachlorobutadiene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,3-Dichloroaniline	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2-Chloronaphthalene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2-Nitroaniline	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
1,4-Dinitrobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Dimethylphthalate	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
1,3-Dinitrobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,6-Dinitrotoluene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
1,2-Dinitrobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
3-Nitroaniline	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0530S2					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
4-Nitrophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Dibenzofuran	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Diethylphthalate	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
4-Nitroaniline	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Hexachlorobenzene	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Pentachlorophenol	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Carbazole	**ND**	0.033	EPA 8270D	5-30-18	5-30-18	
Di-n-butylphthalate	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Benzidine	**ND**	0.33	EPA 8270D	5-30-18	5-30-18	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Butylbenzylphthalate	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
Di-n-octylphthalate	**ND**	0.17	EPA 8270D	5-30-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	5-30-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*72*	*19 - 103*				
Phenol-d6	*71*	*30 - 103*				
Nitrobenzene-d5	*72*	*27 - 105*				
2-Fluorobiphenyl	*75*	*36 - 102*				
2,4,6-Tribromophenol	*86*	*33 - 110*				
Terphenyl-d14	*86*	*38 - 108*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
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:	SB0530S2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**1.16**	**1.16**	1.33	1.33	87	87	45 - 94	0	29	
2-Chlorophenol	**1.14**	**1.15**	1.33	1.33	86	86	46 - 94	1	33	
1,4-Dichlorobenzene	**0.571**	**0.580**	0.667	0.667	86	87	42 - 91	2	37	
n-Nitroso-di-n-propylamine	**0.533**	**0.531**	0.667	0.667	80	80	45 - 95	0	26	
1,2,4-Trichlorobenzene	**0.607**	**0.609**	0.667	0.667	91	91	45 - 92	0	32	
4-Chloro-3-methylphenol	**1.23**	**1.17**	1.33	1.33	92	88	55 - 97	5	21	
Acenaphthene	**0.587**	**0.566**	0.667	0.667	88	85	48 - 91	4	21	
4-Nitrophenol	**0.982**	**0.952**	1.33	1.33	74	72	53 - 102	3	20	
2,4-Dinitrotoluene	**0.593**	**0.567**	0.667	0.667	89	85	47 - 96	4	19	
Pentachlorophenol	**1.02**	**1.01**	1.33	1.33	77	76	35 - 118	1	26	
Pyrene	**0.629**	**0.602**	0.667	0.667	94	90	55 - 95	4	17	
Surrogate:										
2-Fluorophenol					*79*	*78*	*19 - 103*			
Phenol-d6					*78*	*77*	*30 - 103*			
Nitrobenzene-d5					*78*	*77*	*27 - 105*			
2-Fluorobiphenyl					*82*	*78*	*36 - 102*			
2,4,6-Tribromophenol					*94*	*88*	*33 - 110*			
Terphenyl-d14					*92*	*86*	*38 - 108*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
n-Nitrosodimethylamine	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Pyridine	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Phenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Aniline	**ND**	7.2	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2-Chlorophenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,3-Dichlorobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,4-Dichlorobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Benzyl alcohol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,2-Dichlorobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Hexachloroethane	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Nitrobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Isophorone	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2-Nitrophenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,4-Dimethylphenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,4-Dichlorophenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Naphthalene	**ND**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
4-Chloroaniline	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Hexachlorobutadiene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2-Methylnaphthalene	**ND**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
1-Methylnaphthalene	**ND**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,3-Dichloroaniline	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2-Chloronaphthalene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2-Nitroaniline	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,4-Dinitrobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Dimethylphthalate	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,3-Dinitrobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,6-Dinitrotoluene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,2-Dinitrobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Acenaphthylene	**0.17**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
3-Nitroaniline	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
2,4-Dinitrophenol	**ND**	7.2	EPA 8270D	5-29-18	5-30-18	
Acenaphthene	**ND**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
4-Nitrophenol	**ND**	7.2	EPA 8270D	5-29-18	5-30-18	
2,4-Dinitrotoluene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Dibenzofuran	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Diethylphthalate	**3.3**	1.4	EPA 8270D	5-29-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
4-Nitroaniline	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Fluorene	**0.16**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	7.2	EPA 8270D	5-29-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Hexachlorobenzene	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Pentachlorophenol	**ND**	7.2	EPA 8270D	5-29-18	5-30-18	
Phenanthrene	**1.2**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
Anthracene	**0.53**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
Carbazole	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Di-n-butylphthalate	**22**	1.4	EPA 8270D	5-29-18	5-30-18	
Fluoranthene	**0.54**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
Benzidine	**ND**	7.2	EPA 8270D	5-29-18	5-30-18	
Pyrene	**0.54**	0.14	EPA 8270D/SIM	5-29-18	5-31-18	
Butylbenzylphthalate	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	2.9	EPA 8270D	5-29-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Benzo[a]anthracene	**0.065**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
Chrysene	**0.083**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**2.7**	1.4	EPA 8270D	5-29-18	5-30-18	
Di-n-octylphthalate	**ND**	1.4	EPA 8270D	5-29-18	5-30-18	
Benzo[b]fluoranthene	**0.033**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[a]pyrene	**0.022**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**0.016**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[g,h,i]perylene	**0.020**	0.014	EPA 8270D/SIM	5-29-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*36*	*12 - 80*				
Phenol-d6	*38*	*10 - 82*				
Nitrobenzene-d5	*68*	*30 - 103*				
2-Fluorobiphenyl	*71*	*33 - 103*				
2,4,6-Tribromophenol	*51*	*20 - 121*				
Terphenyl-d14	*70*	*32 - 113*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
n-Nitrosodimethylamine	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Pyridine	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Phenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Aniline	**ND**	6.5	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2-Chlorophenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,3-Dichlorobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,4-Dichlorobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Benzyl alcohol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,2-Dichlorobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Hexachloroethane	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Nitrobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Isophorone	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2-Nitrophenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,4-Dimethylphenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,4-Dichlorophenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Naphthalene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
4-Chloroaniline	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Hexachlorobutadiene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2-Methylnaphthalene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
1-Methylnaphthalene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,3-Dichloroaniline	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2-Chloronaphthalene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2-Nitroaniline	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,4-Dinitrobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Dimethylphthalate	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,3-Dinitrobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,6-Dinitrotoluene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,2-Dinitrobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Acenaphthylene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
3-Nitroaniline	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
2,4-Dinitrophenol	**ND**	6.5	EPA 8270D	5-29-18	5-30-18	
Acenaphthene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
4-Nitrophenol	**ND**	6.5	EPA 8270D	5-29-18	5-30-18	
2,4-Dinitrotoluene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Dibenzofuran	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Diethylphthalate	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
4-Nitroaniline	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Fluorene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	6.5	EPA 8270D	5-29-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Hexachlorobenzene	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Pentachlorophenol	**ND**	6.5	EPA 8270D	5-29-18	5-30-18	
Phenanthrene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
Anthracene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
Carbazole	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Di-n-butylphthalate	**6.3**	1.3	EPA 8270D	5-29-18	5-30-18	
Fluoranthene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
Benzidine	**ND**	6.5	EPA 8270D	5-29-18	5-30-18	
Pyrene	**ND**	0.13	EPA 8270D/SIM	5-29-18	5-31-18	
Butylbenzylphthalate	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	2.6	EPA 8270D	5-29-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Benzo[a]anthracene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
Chrysene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Di-n-octylphthalate	**ND**	1.3	EPA 8270D	5-29-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[a]pyrene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.013	EPA 8270D/SIM	5-29-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*50*	*12 - 80*				
Phenol-d6	*40*	*10 - 82*				
Nitrobenzene-d5	*63*	*30 - 103*				
2-Fluorobiphenyl	*66*	*33 - 103*				
2,4,6-Tribromophenol	*76*	*20 - 121*				
Terphenyl-d14	*60*	*32 - 113*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Pyridine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Phenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Aniline	**ND**	5.1	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Chlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Benzyl alcohol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Hexachloroethane	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Nitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Isophorone	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Nitrophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Naphthalene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
4-Chloroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Hexachlorobutadiene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Chloronaphthalene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Nitroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Dimethylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
3-Nitroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
2,4-Dinitrophenol	**ND**	5.1	EPA 8270D	5-29-18	5-30-18	
Acenaphthene	**0.11**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
4-Nitrophenol	**ND**	5.1	EPA 8270D	5-29-18	5-30-18	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Dibenzofuran	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Diethylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Nitroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Fluorene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	5.1	EPA 8270D	5-29-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Hexachlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Pentachlorophenol	**ND**	5.1	EPA 8270D	5-29-18	5-30-18	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Anthracene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Carbazole	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Di-n-butylphthalate	**4.7**	1.0	EPA 8270D	5-29-18	5-30-18	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Benzidine	**ND**	5.1	EPA 8270D	5-29-18	5-30-18	
Pyrene	**0.15**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Butylbenzylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	2.0	EPA 8270D	5-29-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Benzo[a]anthracene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Chrysene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Di-n-octylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[a]pyrene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*46*	*12 - 80*				
Phenol-d6	*36*	*10 - 82*				
Nitrobenzene-d5	*64*	*30 - 103*				
2-Fluorobiphenyl	*66*	*33 - 103*				
2,4,6-Tribromophenol	*75*	*20 - 121*				
Terphenyl-d14	*62*	*32 - 113*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0529W2					
n-Nitrosodimethylamine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Pyridine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Phenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Aniline	**ND**	5.0	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethyl)ether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Chlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,3-Dichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,4-Dichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Benzyl alcohol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2-Dichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Methylphenol (o-Cresol)	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroisopropyl)ether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
n-Nitroso-di-n-propylamine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Hexachloroethane	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Nitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Isophorone	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Nitrophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4-Dimethylphenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
bis(2-Chloroethoxy)methane	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4-Dichlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2,4-Trichlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Naphthalene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
4-Chloroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Hexachlorobutadiene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Chloro-3-methylphenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
1-Methylnaphthalene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Hexachlorocyclopentadiene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4,6-Trichlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,3-Dichloroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,4,5-Trichlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Chloronaphthalene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2-Nitroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,4-Dinitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Dimethylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,3-Dinitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,6-Dinitrotoluene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2-Dinitrobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Acenaphthylene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
3-Nitroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0529W2					
2,4-Dinitrophenol	**ND**	5.0	EPA 8270D	5-29-18	5-30-18	
Acenaphthene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
4-Nitrophenol	**ND**	5.0	EPA 8270D	5-29-18	5-30-18	
2,4-Dinitrotoluene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Dibenzofuran	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,3,5,6-Tetrachlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
2,3,4,6-Tetrachlorophenol	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Diethylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Chlorophenyl-phenylether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Nitroaniline	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Fluorene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
4,6-Dinitro-2-methylphenol	**ND**	5.0	EPA 8270D	5-29-18	5-30-18	
n-Nitrosodiphenylamine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
1,2-Diphenylhydrazine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
4-Bromophenyl-phenylether	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Hexachlorobenzene	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Pentachlorophenol	**ND**	5.0	EPA 8270D	5-29-18	5-30-18	
Phenanthrene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Anthracene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Carbazole	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Di-n-butylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Fluoranthene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Benzidine	**ND**	5.0	EPA 8270D	5-29-18	5-30-18	
Pyrene	**ND**	0.10	EPA 8270D/SIM	5-29-18	5-31-18	
Butylbenzylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
bis-2-Ethylhexyladipate	**ND**	2.0	EPA 8270D	5-29-18	5-30-18	
3,3'-Dichlorobenzidine	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Benzo[a]anthracene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Chrysene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
bis(2-Ethylhexyl)phthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Di-n-octylphthalate	**ND**	1.0	EPA 8270D	5-29-18	5-30-18	
Benzo[b]fluoranthene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo(j,k)fluoranthene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[a]pyrene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Indeno[1,2,3-cd]pyrene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Dibenz[a,h]anthracene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Benzo[g,h,i]perylene	**ND**	0.010	EPA 8270D/SIM	5-29-18	5-31-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*47*	*12 - 80*				
Phenol-d6	*37*	*10 - 82*				
Nitrobenzene-d5	*68*	*30 - 103*				
2-Fluorobiphenyl	*73*	*33 - 103*				
2,4,6-Tribromophenol	*78*	*20 - 121*				
Terphenyl-d14	*77*	*32 - 113*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

SEMIVOLATILES EPA 8270D/SIM
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:	SB0529W2									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**15.7**	**18.6**	40.0	40.0	39	47	24 - 52	17	28	
2-Chlorophenol	**25.1**	**29.6**	40.0	40.0	63	74	44 - 91	16	30	
1,4-Dichlorobenzene	**11.6**	**14.2**	20.0	20.0	58	71	36 - 82	20	33	
n-Nitroso-di-n-propylamine	**13.8**	**15.3**	20.0	20.0	69	77	43 - 93	10	29	
1,2,4-Trichlorobenzene	**14.3**	**16.4**	20.0	20.0	72	82	40 - 86	14	28	
4-Chloro-3-methylphenol	**30.6**	**33.7**	40.0	40.0	77	84	49 - 99	10	25	
Acenaphthene	**14.9**	**16.3**	20.0	20.0	75	82	47 - 90	9	25	
4-Nitrophenol	**15.8**	**19.5**	40.0	40.0	40	49	23 - 61	21	30	
2,4-Dinitrotoluene	**15.7**	**16.8**	20.0	20.0	79	84	42 - 97	7	26	
Pentachlorophenol	**30.4**	**37.4**	40.0	40.0	76	94	39 - 115	21	29	
Pyrene	**15.7**	**16.7**	20.0	20.0	79	84	51 - 100	6	22	
Surrogate:										
2-Fluorophenol					*41*	*53*	*12 - 80*			
Phenol-d6					*34*	*40*	*10 - 82*			
Nitrobenzene-d5					*60*	*69*	*30 - 103*			
2-Fluorobiphenyl					*66*	*71*	*33 - 103*			
2,4,6-Tribromophenol					*75*	*84*	*20 - 121*			
Terphenyl-d14					*72*	*77*	*32 - 113*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
Aroclor 1016	**ND**	0.059	EPA 8082A	5-29-18	5-29-18	
Aroclor 1221	**ND**	0.059	EPA 8082A	5-29-18	5-29-18	
Aroclor 1232	**ND**	0.059	EPA 8082A	5-29-18	5-29-18	
Aroclor 1242	**ND**	0.059	EPA 8082A	5-29-18	5-29-18	
Aroclor 1248	**ND**	0.059	EPA 8082A	5-29-18	5-29-18	
Aroclor 1254	**ND**	0.059	EPA 8082A	5-29-18	5-29-18	
Aroclor 1260	**ND**	0.059	EPA 8082A	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*39-130*				
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
Aroclor 1016	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1221	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1232	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1242	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1248	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1254	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1260	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*39-130*				
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
Aroclor 1016	**ND**	0.069	EPA 8082A	5-29-18	5-29-18	
Aroclor 1221	**ND**	0.069	EPA 8082A	5-29-18	5-29-18	
Aroclor 1232	**ND**	0.069	EPA 8082A	5-29-18	5-29-18	
Aroclor 1242	**ND**	0.069	EPA 8082A	5-29-18	5-29-18	
Aroclor 1248	**ND**	0.069	EPA 8082A	5-29-18	5-29-18	
Aroclor 1254	**ND**	0.069	EPA 8082A	5-29-18	5-29-18	
Aroclor 1260	**ND**	0.069	EPA 8082A	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*64*	*39-130*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
Aroclor 1016	**ND**	0.057	EPA 8082A	5-29-18	5-29-18	
Aroclor 1221	**ND**	0.057	EPA 8082A	5-29-18	5-29-18	
Aroclor 1232	**ND**	0.057	EPA 8082A	5-29-18	5-29-18	
Aroclor 1242	**ND**	0.057	EPA 8082A	5-29-18	5-29-18	
Aroclor 1248	**ND**	0.057	EPA 8082A	5-29-18	5-29-18	
Aroclor 1254	**ND**	0.057	EPA 8082A	5-29-18	5-29-18	
Aroclor 1260	**ND**	0.057	EPA 8082A	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*39-130*				
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
Aroclor 1016	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1221	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1232	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1242	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1248	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1254	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Aroclor 1260	**ND**	0.055	EPA 8082A	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*39-130*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	5-29-18	5-29-18	
Aroclor 1221	**ND**	0.050	EPA 8082A	5-29-18	5-29-18	
Aroclor 1232	**ND**	0.050	EPA 8082A	5-29-18	5-29-18	
Aroclor 1242	**ND**	0.050	EPA 8082A	5-29-18	5-29-18	
Aroclor 1248	**ND**	0.050	EPA 8082A	5-29-18	5-29-18	
Aroclor 1254	**ND**	0.050	EPA 8082A	5-29-18	5-29-18	
Aroclor 1260	**ND**	0.050	EPA 8082A	5-29-18	5-29-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*39-130*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-286-21										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.350**	**0.339**	0.500	0.500	ND	**70**	**68**	45-118	3	15	
Surrogate:											
DCB						*72*	*70*	*39-130*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

PCBs EPA 8082A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
Aroclor 1016	**ND**	0.067	EPA 8082A	5-30-18	5-30-18	
Aroclor 1221	**ND**	0.067	EPA 8082A	5-30-18	5-30-18	
Aroclor 1232	**ND**	0.067	EPA 8082A	5-30-18	5-30-18	
Aroclor 1242	**ND**	0.067	EPA 8082A	5-30-18	5-30-18	
Aroclor 1248	**ND**	0.067	EPA 8082A	5-30-18	5-30-18	
Aroclor 1254	**ND**	0.067	EPA 8082A	5-30-18	5-30-18	
Aroclor 1260	**ND**	0.067	EPA 8082A	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*92*	*44-144*				
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
Aroclor 1016	**ND**	0.061	EPA 8082A	5-30-18	5-30-18	
Aroclor 1221	**ND**	0.061	EPA 8082A	5-30-18	5-30-18	
Aroclor 1232	**ND**	0.061	EPA 8082A	5-30-18	5-30-18	
Aroclor 1242	**ND**	0.061	EPA 8082A	5-30-18	5-30-18	
Aroclor 1248	**ND**	0.061	EPA 8082A	5-30-18	5-30-18	
Aroclor 1254	**ND**	0.061	EPA 8082A	5-30-18	5-30-18	
Aroclor 1260	**ND**	0.061	EPA 8082A	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*94*	*44-144*				
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
Aroclor 1016	**ND**	0.052	EPA 8082A	5-30-18	5-30-18	
Aroclor 1221	**ND**	0.052	EPA 8082A	5-30-18	5-30-18	
Aroclor 1232	**ND**	0.052	EPA 8082A	5-30-18	5-30-18	
Aroclor 1242	**ND**	0.052	EPA 8082A	5-30-18	5-30-18	
Aroclor 1248	**ND**	0.052	EPA 8082A	5-30-18	5-30-18	
Aroclor 1254	**ND**	0.052	EPA 8082A	5-30-18	5-30-18	
Aroclor 1260	**ND**	0.052	EPA 8082A	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*44-144*				

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0530W1					
Aroclor 1016	**ND**	0.050	EPA 8082A	5-30-18	5-30-18	
Aroclor 1221	**ND**	0.050	EPA 8082A	5-30-18	5-30-18	
Aroclor 1232	**ND**	0.050	EPA 8082A	5-30-18	5-30-18	
Aroclor 1242	**ND**	0.050	EPA 8082A	5-30-18	5-30-18	
Aroclor 1248	**ND**	0.050	EPA 8082A	5-30-18	5-30-18	
Aroclor 1254	**ND**	0.050	EPA 8082A	5-30-18	5-30-18	
Aroclor 1260	**ND**	0.050	EPA 8082A	5-30-18	5-30-18	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*97*	*44-144*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0530W1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.504**	**0.540**	0.500	0.500	N/A	**101**	**108**	71-131	7	12	
Surrogate:											
DCB						*98*	*102*	*44-144*			

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-10**					
Laboratory ID:	05-286-02					
Arsenic	**ND**	12	EPA 6010D	5-29-18	5-29-18	
Barium	**46**	3.0	EPA 6010D	5-29-18	5-29-18	
Cadmium	**ND**	0.59	EPA 6010D	5-29-18	5-29-18	
Chromium	**48**	0.59	EPA 6010D	5-29-18	5-29-18	
Lead	**ND**	5.9	EPA 6010D	5-29-18	5-29-18	
Mercury	**ND**	0.30	EPA 7471B	5-30-18	5-30-18	
Selenium	**ND**	12	EPA 6010D	5-29-18	5-29-18	
Silver	**ND**	1.2	EPA 6010D	5-29-18	5-29-18	
Client ID:	**H-13-18-15**					
Laboratory ID:	05-286-09					
Arsenic	**ND**	11	EPA 6010D	5-29-18	5-29-18	
Barium	**58**	2.8	EPA 6010D	5-29-18	5-29-18	
Cadmium	**ND**	0.55	EPA 6010D	5-29-18	5-29-18	
Chromium	**43**	0.55	EPA 6010D	5-29-18	5-29-18	
Lead	**ND**	5.5	EPA 6010D	5-29-18	5-29-18	
Mercury	**ND**	0.28	EPA 7471B	5-30-18	5-30-18	
Selenium	**ND**	11	EPA 6010D	5-29-18	5-29-18	
Silver	**ND**	1.1	EPA 6010D	5-29-18	5-29-18	
Client ID:	**H-14-18-10**					
Laboratory ID:	05-286-12					
Arsenic	**ND**	14	EPA 6010D	5-29-18	5-29-18	
Barium	**110**	3.4	EPA 6010D	5-29-18	5-29-18	
Cadmium	**ND**	0.69	EPA 6010D	5-29-18	5-29-18	
Chromium	**68**	0.69	EPA 6010D	5-29-18	5-29-18	
Lead	**ND**	6.9	EPA 6010D	5-29-18	5-29-18	
Mercury	**ND**	0.34	EPA 7471B	5-30-18	5-30-18	
Selenium	**ND**	14	EPA 6010D	5-29-18	5-29-18	
Silver	**ND**	1.4	EPA 6010D	5-29-18	5-29-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

TOTAL METALS
EPA 6010D/7471B

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-15-18-15**					
Laboratory ID:	05-286-19					
Arsenic	**ND**	11	EPA 6010D	5-29-18	5-29-18	
Barium	**50**	2.9	EPA 6010D	5-29-18	5-29-18	
Cadmium	**ND**	0.57	EPA 6010D	5-29-18	5-29-18	
Chromium	**37**	0.57	EPA 6010D	5-29-18	5-29-18	
Lead	**ND**	5.7	EPA 6010D	5-29-18	5-29-18	
Mercury	**ND**	0.29	EPA 7471B	5-30-18	5-30-18	
Selenium	**ND**	11	EPA 6010D	5-29-18	5-29-18	
Silver	**ND**	1.1	EPA 6010D	5-29-18	5-29-18	
Client ID:	**H-15-18-25**					
Laboratory ID:	05-286-21					
Arsenic	**ND**	11	EPA 6010D	5-29-18	5-29-18	
Barium	**35**	2.8	EPA 6010D	5-29-18	5-29-18	
Cadmium	**ND**	0.55	EPA 6010D	5-29-18	5-29-18	
Chromium	**25**	0.55	EPA 6010D	5-29-18	5-29-18	
Lead	**ND**	5.5	EPA 6010D	5-29-18	5-29-18	
Mercury	**ND**	0.28	EPA 7471B	5-30-18	5-30-18	
Selenium	**ND**	11	EPA 6010D	5-29-18	5-29-18	
Silver	**ND**	1.1	EPA 6010D	5-29-18	5-29-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

TOTAL METALS
EPA 6010D/7471B
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529SM2					
Arsenic	**ND**	10	EPA 6010D	5-29-18	5-29-18	
Barium	**ND**	2.5	EPA 6010D	5-29-18	5-29-18	
Cadmium	**ND**	0.50	EPA 6010D	5-29-18	5-29-18	
Chromium	**ND**	0.50	EPA 6010D	5-29-18	5-29-18	
Lead	**ND**	5.0	EPA 6010D	5-29-18	5-29-18	
Selenium	**ND**	10	EPA 6010D	5-29-18	5-29-18	
Silver	**ND**	1.0	EPA 6010D	5-29-18	5-29-18	
Laboratory ID:	MB0530S1					
Mercury	**ND**	0.25	EPA 7471B	5-30-18	5-30-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-244-01									
	ORIG	DUP								
Arsenic	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Barium	**90.7**	**87.2**	NA	NA		NA	NA	4	20	
Cadmium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Chromium	**48.0**	**40.1**	NA	NA		NA	NA	18	20	
Lead	**5.30**	**5.20**	NA	NA		NA	NA	2	20	
Selenium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Silver	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Laboratory ID:	05-244-01									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	05-244-01									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	**105**	**99.4**	100	100	ND	**105**	**99**	75-125	6	20
Barium	**196**	**185**	100	100	90.7	**105**	**95**	75-125	6	20
Cadmium	**48.4**	**46.1**	50.0	50.0	ND	**97**	**92**	75-125	5	20
Chromium	**143**	**134**	100	100	48.0	**95**	**86**	75-125	7	20
Lead	**237**	**224**	250	250	5.30	**93**	**88**	75-125	6	20
Selenium	**92.5**	**86.4**	100	100	ND	**93**	**86**	75-125	7	20
Silver	**21.0**	**19.8**	25.0	25.0	ND	**84**	**79**	75-125	6	20
Laboratory ID:	05-244-01									
Mercury	**0.588**	**0.543**	0.500	0.500	0.0173	**114**	**105**	80-120	8	20

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**H-11-18-GW**					
Laboratory ID:	05-286-06					
Arsenic	**480**	67	EPA 200.8	5-30-18	5-30-18	
Barium	**14000**	1100	EPA 200.8	5-30-18	5-30-18	
Cadmium	**13**	4.4	EPA 200.8	5-30-18	5-30-18	
Chromium	**5900**	440	EPA 200.8	5-30-18	5-30-18	
Lead	**510**	44	EPA 200.8	5-30-18	5-30-18	
Mercury	**ND**	0.50	EPA 7470A	5-30-18	5-30-18	
Selenium	**23**	5.6	EPA 200.8	5-30-18	5-30-18	
Silver	**ND**	11	EPA 200.8	5-30-18	5-30-18	
Client ID:	**H-14-18-GW**					
Laboratory ID:	05-286-16					
Arsenic	**230**	67	EPA 200.8	5-30-18	5-30-18	
Barium	**8800**	560	EPA 200.8	5-30-18	5-30-18	
Cadmium	**ND**	4.4	EPA 200.8	5-30-18	5-30-18	
Chromium	**2400**	220	EPA 200.8	5-30-18	5-30-18	
Lead	**220**	22	EPA 200.8	5-30-18	5-30-18	
Mercury	**ND**	0.50	EPA 7470A	5-30-18	5-30-18	
Selenium	**12**	5.6	EPA 200.8	5-30-18	5-30-18	
Silver	**ND**	11	EPA 200.8	5-30-18	5-30-18	
Client ID:	**H-15-18-GW**					
Laboratory ID:	05-286-23					
Arsenic	**160**	3.3	EPA 200.8	5-30-18	5-30-18	
Barium	**4600**	280	EPA 200.8	5-30-18	5-30-18	
Cadmium	**ND**	4.4	EPA 200.8	5-30-18	5-30-18	
Chromium	**1800**	110	EPA 200.8	5-30-18	5-30-18	
Lead	**180**	11	EPA 200.8	5-30-18	5-30-18	
Mercury	**ND**	0.50	EPA 7470A	5-30-18	5-30-18	
Selenium	**13**	5.6	EPA 200.8	5-30-18	5-30-18	
Silver	**ND**	11	EPA 200.8	5-30-18	5-30-18	

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

TOTAL METALS
EPA 200.8/7470A
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0530WM1					
Arsenic	**ND**	3.3	EPA 200.8	5-30-18	5-30-18	
Barium	**ND**	28	EPA 200.8	5-30-18	5-30-18	
Cadmium	**ND**	4.4	EPA 200.8	5-30-18	5-30-18	
Chromium	**ND**	11	EPA 200.8	5-30-18	5-30-18	
Lead	**ND**	1.1	EPA 200.8	5-30-18	5-30-18	
Selenium	**ND**	5.6	EPA 200.8	5-30-18	5-30-18	
Silver	**ND**	11	EPA 200.8	5-30-18	5-30-18	
Laboratory ID:	MB0530W1					
Mercury	**ND**	0.50	EPA 7470A	5-30-18	5-30-18	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-207-04									
	ORIG	DUP								
Arsenic	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Barium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Chromium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Selenium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Silver	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Laboratory ID:	05-255-21									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	05-207-04									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	**233**	**234**	222	222	ND	**105**	**105**	75-125	0	20
Barium	**244**	**244**	222	222	ND	**110**	**110**	75-125	0	20
Cadmium	**228**	**228**	222	222	ND	**103**	**103**	75-125	0	20
Chromium	**231**	**228**	222	222	ND	**104**	**103**	75-125	1	20
Lead	**242**	**241**	222	222	ND	**109**	**109**	75-125	0	20
Selenium	**236**	**228**	222	222	ND	**106**	**103**	75-125	3	20
Silver	**244**	**252**	222	222	ND	**110**	**113**	75-125	3	20
Laboratory ID:	05-255-21									
Mercury	**11.7**	**11.9**	12.5	12.5	ND	**93**	**95**	75-125	1	20

Date of Report: June 1, 2018
Samples Submitted: May 29, 2018
Laboratory Reference: 1805-286
Project: 520/Montlake

% MOISTURE

Date Analyzed: 5-29-18

Client ID	Lab ID	% Moisture
H-11-18-10	05-286-02	16
H-13-18-15	05-286-09	10
H-14-18-10	05-286-12	28
H-15-18-15	05-286-19	13
H-15-18-25	05-286-21	10

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

Company: INNOVEX
Project Number:
Project Name: 520/MONTLAKE
Project Manager: GLENN HAYMAN
Sampled by: M. WILLIAMS

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: 05-286

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	H-11-18-5	5.25.18	1010	S	5			X	X	X			X		X				X				X	NO	(NO)		
2	H-11-18-10		1039	S	5			X	X	X			X		X				X								X
3	H-11-18-15		1114	S	5																		X				
4	H-11-18-20		1136	S	5																		X				
5	H-11-18-25	↓	1148	S	5																		X				
6	H-11-18-GW	5.26.18	1220	W	13			(X)	(X)	(X)			(X)		(X)				(X)				X	NO			
7	H-13-18-5	5.26.18	1238	S	5																		X				
8	H-13-18-10		1301	S	5																		X				
9	H-13-18-15		1326	S	5			X	X	X			X		X				X								X
10	H-13-18-20	↓	1352	S	5																		X				

	Signature	Company	Date	Time
Relinquished		INNOVEX	5.29.18	0953
Received		OSE	5/29/18	0953
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
(X) Added 5/29/18. DB (1 day TAT)

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: INNOVEX
Project Number:
Project Name: 520/MONTLAKE
Project Manager: GLENN HARMAN
Sampled by: M. WILLIAMS

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: 05-286

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
11	H-14-18-5	5.26.18	1428	S	5																				X	
12	H-14-18-10	↓	1452	S	5			X	X	X			X		X				X							X
13	H-14-18-15		1501	S	5																				X	
14	H-14-18-20		1520	S	5																				X	
15	H-14-18-25	↓	1550	S	5																				X	
16	H-14-18-GW	5.26.18	1622	W	13			(X)	(X)	(X)			(X)		(X)				(X)						~~X~~	HO
17	H-15-18-5		~~1530~~	S	5						ND														X	
18	H-15-18-10		1313	S	5						↓														X	
19	H-15-18-15		1326	S	5			X	X	X	X		X		X				X							X
20	H-15-18-20	↓	1350	S	5						ND														X	

	Signature	Company	Date	Time
Relinquished		INNOVEX	5.29.18	0953
Received	Katie Lizardi	OSE	5/29/18	953
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) ☐

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: INNOVEX
Project Number:
Project Name: 520/MONTLAKE
Project Manager: GLENN WALKMAN
Sampled by: M. WILLIAMS

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: 05-286

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
21	H-15-18-25	5.26.18	1109	S	5			X	X	X			X		X				X								X
22	H-15-18-30	↓	1158	S	5																		X				
23	H-15-18-GW	↓	~~1235~~ 1228	GW	13			(X)	(X)	(X)			(X)		(X)				(X)				X	NO DB			

	Signature	Company	Date	Time
Relinquished		INNOVEX	5.29.18	0953
Received	KATHLEEN	OSE	5/29/18	0953
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) ☐