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

December 7, 2023

Jim Hartl

Re: Analytical Data for Project Gun Club Creek Testing
Laboratory Reference No. 2311-117

Dear Jim:

Enclosed are the analytical results and associated quality control data for samples submitted on November 13, 2023.

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: December 7, 2023
Samples Submitted: November 13, 2023
Laboratory Reference: 2311-117
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**Case Narrative**

Samples were collected on November 12, 2023 and received by the laboratory on November 13, 2023. 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. However the soil results for the QA/QC samples are reported on a wet-weight basis.

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.

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**TOTAL LEAD**
**EPA 200.8**

Matrix: Water
Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|---|---|---|---|---|---|---|
| **Client ID:** | **WATER BOTTLE #2** | | | | | |
| Laboratory ID: | 11-117-01 | | | | | |
| Lead | **1.0** | 0.50 | EPA 200.8 | 12-5-23 | 12-6-23 | |

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**TOTAL LEAD**
**EPA 200.8**
**QUALITY CONTROL**

Matrix: Water
Units: ug/L (ppb)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|---|---|---|---|---|---|---|
| **METHOD BLANK** | | | | | | |
| Laboratory ID: | MB1205WH1 | | | | | |
| Lead | **ND** | 0.50 | EPA 200.8 | 12-5-23 | 12-6-23 | |

| Analyte | Result | | Spike Level | | Source Result | Percent Recovery | | Recovery Limits | RPD | RPD Limit | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **DUPLICATE** | | | | | | | | | | | |
| Laboratory ID: | 11-066-07 | | | | | | | | | | |
| | ORIG | DUP | | | | | | | | | |
| Lead | **ND** | **ND** | NA | NA | | NA | | NA | NA | 20 | |
| **MATRIX SPIKES** | | | | | | | | | | | |
| Laboratory ID: | 11-066-07 | | | | | | | | | | |
| | MS | MSD | MS | MSD | | MS | MSD | | | | |
| Lead | **97.8** | **100** | 100 | 100 | ND | **98** | **100** | 75-125 | 2 | 20 | |

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**TOTAL LEAD**
**EPA 6010D**

Matrix: Soil
Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|---|---|---|---|---|---|---|
| **Client ID:** | **Creek Bed #2** | | | | | |
| Laboratory ID: | 11-117-02 | | | | | |
| Lead | **76** | 6.2 | EPA 6010D | 11-14-23 | 11-15-23 | |
| **Client ID:** | **Creek Bank #2** | | | | | |
| Laboratory ID: | 11-117-03 | | | | | |
| Lead | **330** | 8.1 | EPA 6010D | 11-14-23 | 11-15-23 | |

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**TOTAL LEAD**
**EPA 6010D**
**QUALITY CONTROL**

Matrix: Soil
Units: mg/Kg (ppm)

| Analyte | Result | PQL | Method | Date Prepared | Date Analyzed | Flags |
|---|---|---|---|---|---|---|
| **METHOD BLANK** | | | | | | |
| Laboratory ID: | MB1114SM1 | | | | | |
| Lead | **ND** | 5.0 | EPA 6010D | 11-14-23 | 11-14-23 | |

| Analyte | Result | | Spike Level | | Source Result | Percent Recovery | | Recovery Limits | RPD | RPD Limit | Flags |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **DUPLICATE** | | | | | | | | | | | |
| Laboratory ID: | 11-113-03 | | | | | | | | | | |
| | ORIG | DUP | | | | | | | | | |
| Lead | **5.10** | **5.90** | NA | NA | | NA | | NA | 15 | 20 | |
| **MATRIX SPIKES** | | | | | | | | | | | |
| Laboratory ID: | 11-113-03 | | | | | | | | | | |
| | MS | MSD | MS | MSD | | MS | MSD | | | | |
| Lead | **296** | **290** | 250 | 250 | 5.10 | **116** | **114** | 75-125 | 2 | 20 | |

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**% MOISTURE**

| Client ID | Lab ID | % Moisture | Date Analyzed |
|---|---|---|---|
| **Creek Bed #2** | 11-117-02 | **19** | 11-14-23 |
| **Creek Bank #2** | 11-117-03 | **38** | 11-14-23 |

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.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, 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.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

# Chain of Custody

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**OnSite Environmental Inc.**
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Jim HARTL
Project Number:
Project Name: Gun Club Creek Testing
Project Manager: Jim HARTL
Sampled by: Jim HARTL

**Turnaround Request (in working days)**

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days)
- ☐ _____ (other)

**Laboratory Number:** 11-117

| Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers | NWTPH-HCID | NWTPH-Gx/BTEX (8021☐ 8260☐) | NWTPH-Gx | NWTPH-Dx (SG Clean-up ☐) | Volatiles 8260 | Halogenated Volatiles 8260 | EDB EPA 8011 (Waters Only) | Semivolatiles 8270/SIM (with low-level PAHs) | PAHs 8270/SIM (low-level) | PCBs 8082 | Organochlorine Pesticides 8081 | Organophosphorus Pesticides 8270/SIM | Chlorinated Acid Herbicides 8151 | Total RCRA Metals | Total MTCA Metals | TCLP Metals | HEM (oil and grease) 1664 | LEAD | | | | % Moisture |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WATER BOTTLE #2 | 11/12/23 | 2PM | Water | 1 | | | | | | | | | | | | | | | | | | X | | | | |
| 2 | Creek Bed #2 | 11/12/23 | 2PM | Sediment | 1 | | | | | | | | | | | | | | | | | | X | | | | X |
| 3 | Creek Bank #2 | 11/12/23 | 2PM | Sediment | 1 | | | | | | | | | | | | | | | | | | X | | | | X |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | Signature | Company | Date | Time |
|---|---|---|---|---|
| Relinquished | | | 11/13/23 | 2:24PM |
| Received | | OSE | 11/13/23 | 1424 |
| Relinquished | | | | |
| Received | | | | |
| Relinquished | | | | |
| Received | | | | |
| Reviewed/Date | | Reviewed/Date | | |

**Comments/Special Instructions**

Please test the samples for lead levels. my contact info is:
Jim Hartl (jimhartl@yahoo.com)
13720 NE 94th St
Redmond, WA 98052
425-628-8763

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐