

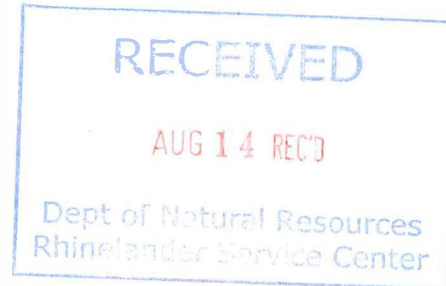


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709 Gillette St., Ste #3 ♦ La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 Email: rona@metcohq.com ♦ www.metcohq.com

August 10, 2017

Carrie Stoltz
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhineland, WI 54501



Subject: Luedtke Property – Site Investigation cost cap exceedence request (>\$20K) - Revised. BRRTS #: 03-35-554426, PECFA #: 54487-1334-11

Dear Ms. Stoltz,

A cost estimate (using Usual & Customary schedule of charges) is being submitted for completion of the site investigation at the subject property located at 11 W. Wisconsin Avenue in Tomahawk, Wisconsin. This is required due to COMM 47 rule changes (Comm 47.337(2)) which requires WDNR approval to exceed the cap, meaning any costs incurred above \$20,000 after April 30, 2006, will not be eligible for reimbursement unless previously approved.

As of today's date, \$12,692.92 has been spent of the \$20,000 Site Investigation Cap and included: [1] Investigation Workplan and [2] Geoprobe Project (25 borings ranging from 8 - 12 feet bgs (depth to water was 7-9 feet bgs) with 73 soil samples and 25 groundwater samples collected for field (PID) and/or laboratory analysis (VOC, PVOC/Naphthalene, Lead).

The proposed workscope to complete the site investigation includes: Drilling Project with the installation of eight monitoring wells to approximately 15 feet bgs and and one piezometer to 30 feet bgs with soil samples collected for field (PID) and laboratory analysis (GRO, PVOC+ Naphthalene, and TCLP-Pb), two rounds of groundwater monitoring from all nine site monitoring/piezometer wells for laboratory analysis (VOC/PVOC, Lead, Nitrate/Nitrite, Sulfate, Dissolved Iron and Manganese), surveying, hydraulic conductivity testing, waste disposal, and completion of the Soil and Groundwater Investigation Report. The cost estimate for the proposed workscope is as follows:

| | |
|---|--------------------|
| Soil Boring/Monitoring Well Permit | \$ 246.12 |
| Drilling Project | \$12,352.82 |
| Groundwater Monitoring (two events) | \$ 3,120.92 |
| Laboratory Analysis | \$ 2,211.85 |
| Surveying | \$ 1,288.88 |
| Hydraulic Conductivity Testing | \$ 828.56 |
| Investigative Waste Disposal | \$ 1,848.96 |
| Soil and Groundwater Investigation Report | \$ 4,965.35 |
| Change Order Request | \$ 381.78 |
| Total | \$27,245.24 |

METCO is requesting a cost cap exceedence in the amount of **\$19,938.16** (proposed additional costs to complete the investigation \$27,245.24 minus the remaining investigation budget \$7,307.08). This will bring the total site investigation costs to \$39,938.16.

Upon state approval of the proposed workscope and budget, METCO will proceed with the site investigation.

Attached are a site layout map with proposed monitoring/piezometer well locations and draft standardized invoice form for the above workscope as required.

Should you have any questions, comments, or recommendations please contact me at our La Crosse office (608) 781-8879 or email at jasonp@metcohq.com.

Sincerely,



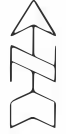
Jason T. Powell
Staff Scientist

Attachments

c: Todd Luedtke – Client

B.I.b DETAILED SITE MAP
 LUEDTKE PROPERTY

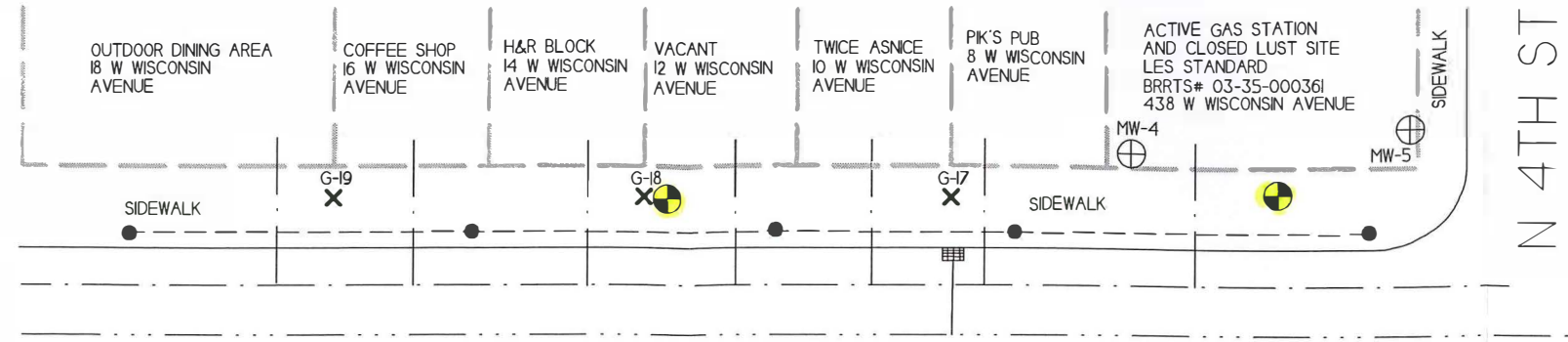
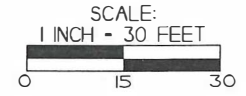
METCO
 709 Gillette St. Suite 3
 Lad Cross, WI 54603
 Tel: (608) 781-8875
 Fax: (608) 781-8893
 TOMAHAWK, WISCONSIN
 DRAWN BY: ED
 DATE: 01/18/2007



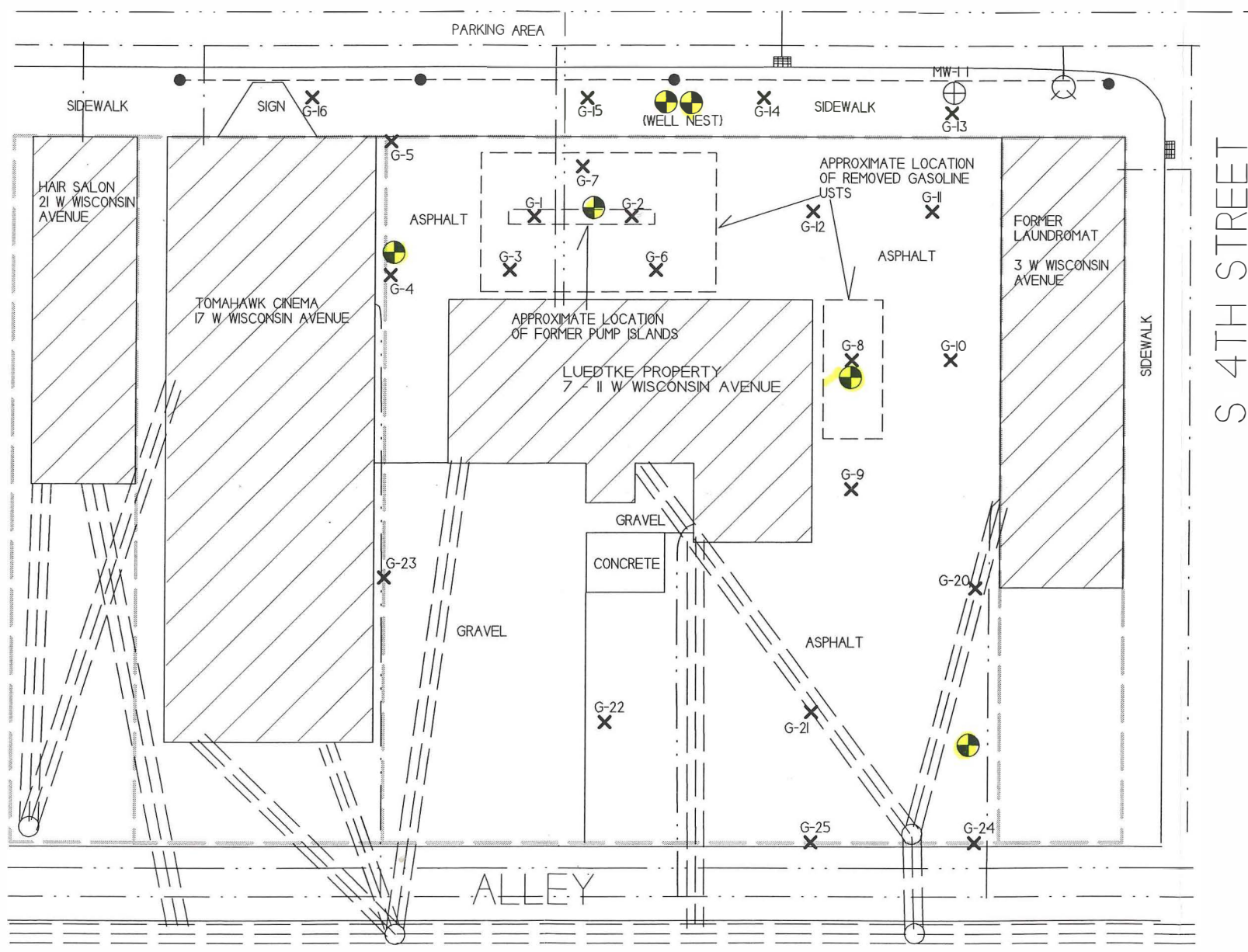
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.

- ⊕ - FORMER MONITORING WELL LOCATION - LES STANDARD
- ⊙ - PROPOSED MONITORING WELL LOCATION
- ✕ - SOIL BORING LOCATION
- ▬ - STORM DRAIN
- ⊙ - FIRE HYDRANT
- - LIGHT POLE

- ▬ - PROPERTY BOUNDARY
- ▬ - SANITARY SEWER LINE
- ▬ - STORM SEWER LINE
- ▬ - WATER LINE
- ▬ - GAS LINE
- ▬ - BURIED ELECTRIC LINE
- ▬ - OVERHEAD ELECTRIC



W WISCONSIN AVENUE



MEDIAN

S 4TH STREET

Usual and Customary Standardized Invoice #22

July 2017 - December 2017



RR-083A

PECFA #: 54487-1334-11 Vendor Name: _____
 BRRT's #: 03-35-554426 Invoice #: _____
 Site Name: Luedtke Property Invoice Date: _____
 Site Address: 11 W. Wisconsin Ave, Tomahawk, WI Check #: _____

U&C Total \$ 27,245.24
 Variance to U&C Total \$ -
 Grand Total \$ 27,245.24

| TASK | TASK DESCRIPTION | SERVICES | ACTIVITY CODE | ACTIVITY REFERENCE CODE DESCRIPTION | UNIT | MAX UNIT COST | UNITS | TOTAL MAX |
|------|---|------------|---------------|--|--------------|---------------|-------|-------------|
| 1 | GW Sampling | | GS05 | Sample Collection | Well | \$ 72.45 | 18 | \$ 1,304.10 |
| 1 | GW Sampling | | GS10 | Incremental Sample Collection (natural attenuation) | Well | \$ 47.67 | 9 | \$ 429.03 |
| 1 | GW Sampling | | GS15 | Incremental Sample Collection (cadmium & lead) | Well | \$ 26.25 | 18 | \$ 472.50 |
| 1 | GW Sampling | | GS25 | Primary Mob/Demob | Site | \$ 628.11 | 1 | \$ 628.11 |
| 4 | Waste Disposal | Consultant | WD05 | Consultant Coordination | Site | \$ 137.13 | 1 | \$ 137.13 |
| 4 | Waste Disposal | Commodity | WD10 | GW Sample and/or Purge | Drum | \$ 42.11 | 3 | \$ 126.33 |
| 4 | Waste Disposal | Commodity | WD15 | Drill Cuttings | Drum | \$ 108.15 | 12 | \$ 1,297.80 |
| 4 | Waste Disposal | Commodity | WD25 | Primary Mob/Demob | Site | \$ 287.70 | 1 | \$ 287.70 |
| 10 | Initial Site Survey | Consultant | IS05 | Coordination of Initial Site Survey (features + well elevations) | Survey | \$ 117.18 | 1 | \$ 117.18 |
| 10 | Initial Site Survey | Commodity | IS15 | Initial Survey | Survey | \$ 1,171.70 | 1 | \$ 1,171.70 |
| 13.a | Drilling In Unconsolidated Soils - With Soil Sampling | Consultant | DR05 | 0 - 25 ft bgs | Ft | \$ 5.40 | 120 | \$ 648.00 |
| 13.a | Drilling In Unconsolidated Soils - With Soil Sampling | Consultant | DR10 | 26 - 50 ft bgs | Ft | \$ 5.67 | 5 | \$ 28.35 |
| 13.a | Drilling In Unconsolidated Soils - With Soil Sampling | Consultant | DR20 | Primary Mob/Demob | Site | \$ 593.04 | 1 | \$ 593.04 |
| 13.d | Drilling In Unconsolidated Soils - With Soil Sampling | Commodity | DR45 | 0 - 25 ft bgs | Ft | \$ 16.70 | 120 | \$ 2,004.00 |
| 13.d | Drilling In Unconsolidated Soils - With Soil Sampling | Commodity | DR50 | 26 - 50 ft bgs | Ft | \$ 18.38 | 5 | \$ 91.90 |
| 14 | Monitoring Well Installation | Consultant | MWI05 | 0 - 25 ft bgs | Ft | \$ 3.89 | 120 | \$ 466.80 |
| 14 | Monitoring Well Installation | Consultant | MWI10 | 26 - 75ft bgs | Ft | \$ 2.73 | 5 | \$ 13.65 |
| 14 | Monitoring Well Installation | Commodity | MWI15 | 2 inch PVC Casing | Ft | \$ 16.70 | 125 | \$ 2,087.50 |
| 14 | Monitoring Well Installation | Commodity | MWI20 | Well Development | Well | \$ 147.63 | 9 | \$ 1,328.67 |
| 15 | Misc. Drilling Activities & Supplies | | MDT05 | Drill Rig Mob/Demob | Mob/Demob | \$ 963.38 | 1 | \$ 963.38 |
| 15 | Misc. Drilling Activities & Supplies | | MDT10 | Well Cover/flushmount | Each | \$ 202.65 | 9 | \$ 1,823.85 |
| 15 | Misc. Drilling Activities & Supplies | | MDT21 | Drum, 55 gal. DOT steel | Each | \$ 55.13 | 15 | \$ 826.95 |
| 15 | Misc. Drilling Activities & Supplies | | MDT25 | Commodity Service Provider Per Diem (drilling and direct push) | Person | \$ 203.28 | 4 | \$ 813.12 |
| 15 | Misc. Drilling Activities & Supplies | | MDT40 | Concrete Penetration | Each | \$ 72.87 | 5 | \$ 364.35 |
| 15 | Misc. Drilling Activities & Supplies | | MDT45 | Padlocks | Each | \$ 7.98 | 9 | \$ 71.82 |
| 19 | Hydraulic Conductivity Testing | | HCT05 | Hydraulic Conductivity Testing | Well | \$ 58.59 | 3 | \$ 175.77 |
| 19 | Hydraulic Conductivity Testing | | HCT10 | Primary Mob/Demob | Site | \$ 652.79 | 1 | \$ 652.79 |
| 20 | Soil Boring/Monitoring Well Permits | | SBMWP05 | Soil Boring/Monitoring Well Permit | Permit | \$ 246.12 | 1 | \$ 246.12 |
| 23 | Soil And GW Investigation Report | | SGIR05 | Soil and GW Investigation Report | Report | \$ 4,965.35 | 1 | \$ 4,965.35 |
| 31 | Consultant Overnight Per Diem | | COPD05 | Overnight | Night | \$ 113.72 | 2 | \$ 227.44 |
| 33 | Schedule Of Laboratory Maximums | Commodity | | Laboratory (see task 33 total on Lab Schedule) | Lab Schedule | | 90 | \$ 2,211.85 |
| 34 | Consultant Incremental Mob/Demob | | IMD05 | Incremental Mob/Demob | Site | \$ 287.18 | 1 | \$ 287.18 |
| 36 | Change Order Request | | COR05 | Change Order Request (cost cap exceedance requests) | Change Order | \$ 381.78 | 1 | \$ 381.78 |

Variance

Usual and Customary Standardized Invoice #22

July 2017 - December 2017



RR-083A

TOTAL LAB CHARGES \$ 2,211.85 TASK 33 90 \$ 2,211.85 TASK 24 0 \$ -

| MATRIX | REF CODE | REIMBURSABLE ANALYTE | UNITS | MAX COST | SAMPLES | TOTAL | MAX COST | SAMPLES | TOTAL |
|--------|----------|---|--------|---------------|---------|-----------|----------|---------|-------|
| AIR | A1 | Benzene | SAMPLE | \$ 44.94 | | \$ - | | | |
| AIR | A2 | BETX | SAMPLE | \$ 49.46 | | \$ - | | | |
| AIR | A3 | GRO | SAMPLE | \$ 46.10 | | \$ - | | | |
| AIR | A4 | VOC's | SAMPLE | \$ 71.93 | | \$ - | | | |
| WATER | W1 | GRO/PVOC | SAMPLE | \$ 29.19 | | \$ - | | | |
| WATER | W2 | PVOC | SAMPLE | \$ 26.99 | | \$ - | | | |
| WATER | W3 | PVOC + 1,2 DCA | SAMPLE | \$ 43.79 | | \$ - | | | |
| WATER | W4 | PVOC + Naphthalene | SAMPLE | \$ 30.35 | 10 | \$ 303.50 | | | |
| WATER | W5 | VOC | SAMPLE | \$ 71.93 | 10 | \$ 719.30 | | | |
| WATER | W6 | PAH | SAMPLE | \$ 72.98 | | \$ - | | | |
| WATER | W7 | Lead | SAMPLE | \$ 12.39 | 18 | \$ 223.02 | | | |
| WATER | W8 | Cadmium | SAMPLE | \$ 13.55 | | \$ - | | | |
| WATER | W9 | Hardness | SAMPLE | \$ 12.39 | | \$ - | | | |
| WATER | W10 | BOD, Total | SAMPLE | \$ 23.63 | | \$ - | | | |
| WATER | W11 | Nitrate | SAMPLE | \$ 11.24 | 9 | \$ 101.16 | | | |
| WATER | W12 | Total Kjeldahl | SAMPLE | \$ 20.27 | | \$ - | | | |
| WATER | W13 | Ammonia | SAMPLE | \$ 16.91 | | \$ - | | | |
| WATER | W14 | Sulfate | SAMPLE | \$ 10.19 | 9 | \$ 91.71 | | | |
| WATER | W15 | Iron | SAMPLE | \$ 10.19 | 9 | \$ 91.71 | | | |
| WATER | W16 | Manganese | SAMPLE | \$ 10.19 | 9 | \$ 91.71 | | | |
| WATER | W17 | Alkalinity | SAMPLE | \$ 10.19 | | \$ - | | | |
| WATER | W18 | methane | SAMPLE | \$ 46.10 | | \$ - | | | |
| WATER | W19 | Phosphorous | SAMPLE | \$ 18.06 | | \$ - | | | |
| WATER | W20 | VOC Method 524.2 | SAMPLE | \$ 176.30 | | \$ - | | | |
| WATER | W21 | EDB Method 504 | SAMPLE | \$ 95.45 | | \$ - | | | |
| SOILS | S1 | GRO | SAMPLE | \$ 24.78 | 3 | \$ 74.34 | \$ 24.78 | | \$ - |
| SOILS | S2 | DRO | SAMPLE | \$ 30.35 | | \$ - | \$ 30.35 | | \$ - |
| SOILS | S3 | GRO/PVOC | SAMPLE | \$ 28.14 | | \$ - | \$ 28.14 | | \$ - |
| SOILS | S4 | PVOC | SAMPLE | \$ 25.83 | | \$ - | \$ 25.83 | | \$ - |
| SOILS | S5 | PVOC + 1,2 DCA + Naphthalene | SAMPLE | \$ 49.46 | | \$ - | \$ 49.46 | | \$ - |
| SOILS | S6 | PVOC + Naphthalene | SAMPLE | \$ 36.02 | 12 | \$ 432.24 | \$ 36.02 | | \$ - |
| SOILS | S7 | VOC | SAMPLE | \$ 71.93 | | \$ - | \$ 71.93 | | \$ - |
| SOILS | S8 | SPLP Extraction VOC only | SAMPLE | \$ 50.61 | | \$ - | \$ 50.61 | | \$ - |
| SOILS | S9 | PAH | SAMPLE | \$ 72.98 | | \$ - | \$ 72.98 | | \$ - |
| SOILS | S10 | Lead | SAMPLE | \$ 12.39 | | \$ - | \$ 12.39 | | \$ - |
| SOILS | S11 | Cadmium | SAMPLE | \$ 14.60 | | \$ - | | | \$ - |
| SOILS | S12 | Free Liquid | SAMPLE | \$ 11.24 | | \$ - | | | \$ - |
| SOILS | S13 | Flash Point | SAMPLE | \$ 25.83 | | \$ - | | | \$ - |
| SOILS | S14 | Grain Size - dry | SAMPLE | \$ 42.74 | | \$ - | | | \$ - |
| SOILS | S15 | Grain Size - wet | SAMPLE | \$ 57.33 | | \$ - | | | \$ - |
| SOILS | S16 | Bulk Density | SAMPLE | \$ 13.55 | | \$ - | | | \$ - |
| SOILS | S17 | Permeability | SAMPLE | \$ 41.58 | | \$ - | | | \$ - |
| SOILS | S18 | Nitrogen as Total Kjeldahl | SAMPLE | \$ 20.27 | | \$ - | | | \$ - |
| SOILS | S19 | Nitrogen as Ammonia | SAMPLE | \$ 16.91 | | \$ - | | | \$ - |
| SOILS | S20 | % Organic Matter | SAMPLE | \$ 29.19 | | \$ - | | | \$ - |
| SOILS | S21 | TOC as NPOC | SAMPLE | \$ 57.33 | | \$ - | | | \$ - |
| SOILS | S22 | Soil Moisture Content | SAMPLE | \$ 6.83 | | \$ - | | | \$ - |
| SOILS | S23 | Air Filled Porosity | SAMPLE | \$ 25.83 | | \$ - | | | \$ - |
| SOILS | S24 | % Total Solids | SAMPLE | \$ 6.83 | | \$ - | | | \$ - |
| SOILS | S25 | Field Capacity | SAMPLE | \$ 28.14 | | \$ - | | | \$ - |
| SOILS | S26 | TCLP Lead | SAMPLE | \$ 83.16 | 1 | \$ 83.16 | | | \$ - |
| SOILS | S27 | Cation Exchange (Ca, MG, & K) | SAMPLE | \$ 26.99 | | \$ - | | | \$ - |
| SOILS | S28 | TCLP Cadmium | SAMPLE | \$ 83.16 | | \$ - | | | \$ - |
| SOILS | S29 | TCLP Benzene | SAMPLE | \$ 83.16 | | \$ - | | | \$ - |
| | | Viscosity + Density | | | | | | | |
| LNAPL | LFPS01 | Interfacial tension I (LNAPL/water [dyne/cm]) | SAMPLE | \$ 561.33 | | \$ - | | | |
| | | Interfacial tension II (LNAPL/air [dyne/cm]) | | | | | | | |
| | | Interfacial tension III (water/air) [dyne/cm] | | | | | | | |
| | | | | TASK 33 TOTAL | \$ | 2,211.85 | | | |