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June 5, 2018

Tom Verstegen  
Wisconsin Department of Natural Resources  
625 E. County Road Y, Suite #700  
Oshkosh, WI 54901

**Subject:** Korth Property – Bid Deferment Request for additional soil & groundwater sampling (Revised). BRRTS #: 03-45-002078, PECFA #: 54914-3412-29

Dear Mr. Verstegen,

A revised bid deferment request (using Usual & Customary schedule of charges) is being submitted for completion of the site investigation at the subject property located at 1629 W. Washington Street in Appleton, Wisconsin. This includes: [1] Geoprobe/Drilling Project which will consist of four Geoprobe borings to 8 feet bgs and one soil boring to approximately 13 feet bgs with two soil samples collected per boring for laboratory analysis (PVOC and PAH in top 4 feet, PVOC+Naphthalene at depth, and GRO/DRO for waste disposal) and collect groundwater samples from each of the four Geoprobe borings for laboratory analysis (PVOC+Naphthalene). The one soil boring will then be converted to a monitoring well (MW-6) to 13 feet bgs. [2] Survey the new monitoring well. [3] Conduct two quarterly rounds of groundwater monitoring from all site wells (6 total) for PVOC and PAH analysis (new well MW-6 will be sampled for VOC's and PAH during the first round) [4] Investigative waste disposal and [5] Letter Report. The cost estimate is as follows:

Access Agreement	\$ 401.94
Geoprobe/Drilling Project	\$ 3,398.29
Survey (new well MW-6)	\$ 110.15
Groundwater Monitoring (2 Rounds)	\$ 2,125.62
Laboratory Analysis	\$ 2,285.33
Investigative Waste Disposal	\$ 641.13
Letter Report	\$ 1,039.29
Change Order Request	\$ 381.78
<b>Total</b>	<b>\$10,383.53</b>

METCO is requesting bid deferment in the amount of **\$10,383.53** to complete the above activities. Once the above work and associated costs are approved, METCO will proceed with the project.

Attached are a site map with proposed soil boring/monitoring well and Geoprobe locations and draft standardized invoice form for the work scope 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](mailto:jasonp@metcohq.com)

Sincerely,

A handwritten signature in black ink, appearing to read "Jason T. Powell", written over a horizontal line.

Jason T. Powell  
Staff Scientist

Attachments

c: Robert Korth – Client

B.3.a.2 GEOLOGIC CROSS SECTION FIGURE (CLOSE UP)

KORTH PROPERTY

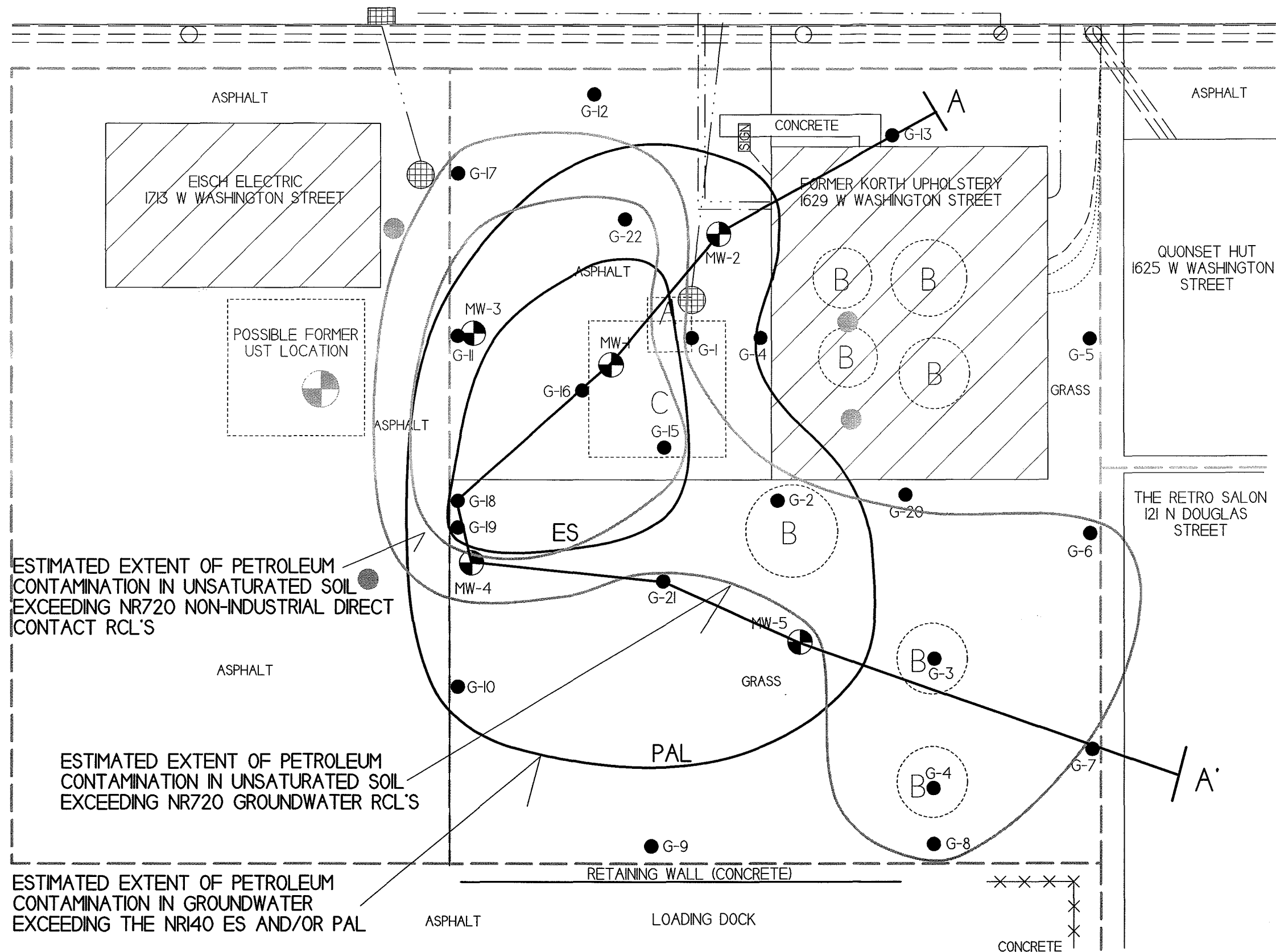
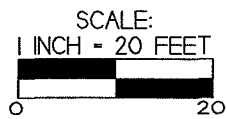
APPLETON, WISCONSIN  
DRAWN BY: ED  
DATE: 12/19/16

NOTE: INFORMATION BASED ON AVAILABLE DATA ACTUAL CONDITIONS MAY DIFFER

- = GEOPROBE BORING LOCATION
- ⊕ = MONITORING WELL LOCATION
- (grey) = PROPOSED GEOPROBE BORING LOCATION
- ⊕ (grey) = PROPOSED MONITORING WELL LOCATION
- ⊙ = FIRE HYDRANT
- = UTILITY POLE
- ▣ (grid) = STORM DRAIN
- ⊗ (grid) = STORM DRAIN

- A = FORMER PUMP HOUSE - 1970 SANBORN MAP
- B = FORMER GASOLINE TANKS - 1970 SANBORN MAP
- C = APPROXIMATE LOCATION OF REMOVED 20,000-GALLON FUEL OIL UST

- PROPERTY BOUNDARIES \_\_\_\_\_
- WATER LINE \_\_\_\_\_
- SANITARY SEWER \_\_\_\_\_
- STORM SEWER \_\_\_\_\_
- NATURAL GAS \_\_\_\_\_
- TELEPHONE/CABLE \_\_\_\_\_
- BURIED ELECTRIC LINE \_\_\_\_\_
- FENCE  
X X X X X X X X X X X X X X X X X X X X
- OVERHEAD UTILITIES \_\_\_\_\_



# Usual and Customary Standardized Invoice #23 January 2018- July 2018



RR-092a

PECFA #: 54914-3412-29  
 BRRTS #: 03-45-002078  
 Site Name: Korth Property  
 Site Address: 1629 W. Washington Street  
Appleton, WI

Vendor Name: \_\_\_\_\_  
 Invoice #: \_\_\_\_\_  
 Invoice Date: \_\_\_\_\_  
 Check #: \_\_\_\_\_

U&C Total \$ 10,383.53  
 Variance to U&C Total \$ -  
 Grand Total \$ 10,383.53

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	12	\$ 869.40
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 628.11	2	\$ 1,256.22
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 137.13	1	\$ 137.13
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 108.15	2	\$ 216.30
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 287.70	1	\$ 287.70
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,039.29	1	\$ 1,039.29
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$ 110.15	1	\$ 110.15
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 5.36	32	\$ 171.52
12	Direct Push	Consultant	DP20	GW Sample Collection	Each	\$ 36.10	4	\$ 144.40
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 6.93	32	\$ 221.76
12	Direct Push	Commodity	DP50	GW Sample Collection (cost for tubing)	Ft	\$ 0.42	50	\$ 21.00
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$ 1.26	32	\$ 40.32
12	Direct Push	Commodity	DP65	Concrete Penetration	Each	\$ 20.10	2	\$ 40.20
12	Direct Push	Commodity	DP70	GW Sample Collection	Each	\$ 39.27	4	\$ 157.08
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	14	\$ 75.60
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	14	\$ 233.80
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89	13	\$ 50.57
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	13	\$ 217.10
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	1	\$ 147.63
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	1	\$ 202.65
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13	2	\$ 110.26
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$ 7.98	1	\$ 7.98
21	Access Agreements		AA05	Access Agreements	Property	\$ 401.94	1	\$ 401.94
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule		50	\$ 2,285.33
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1	\$ 381.78

Variance  
 Variance

# Usual and Customary Standardized Invoice #23

## January 2018- July 2018



RR-092A

**TOTAL LAB CHARGES \$ 2,285.33 TASK 33 50 \$ 2,285.33 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	12	\$ 323.88				
WATER	W3	PVOC + 1,2 DCA	SAMPLE	\$ 43.79		\$ -				
WATER	W4	PVOC + Naphthalene	SAMPLE	\$ 30.35	5	\$ 151.75				
WATER	W5	VOC	SAMPLE	\$ 71.93	2	\$ 143.86				
WATER	W6	PAH	SAMPLE	\$ 72.98	12	\$ 875.76				
WATER	W7	Lead	SAMPLE	\$ 12.39		\$ -				
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		\$ -				
WATER	W12	Total Kjeldahl	SAMPLE	\$ 20.27		\$ -				
WATER	W13	Ammonia	SAMPLE	\$ 16.91		\$ -				
WATER	W14	Sulfate	SAMPLE	\$ 10.19		\$ -				
WATER	W15	Iron	SAMPLE	\$ 10.19		\$ -				
WATER	W16	Manganese	SAMPLE	\$ 10.19		\$ -				
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	2	\$ 49.56	\$ 24.78		\$ -	
SOILS	S2	DRO	SAMPLE	\$ 30.35	1	\$ 30.35	\$ 30.35		\$ -	
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$ -	\$ 28.14		\$ -	
SOILS	S4	PVOC	SAMPLE	\$ 25.83	5	\$ 129.15	\$ 25.83		\$ -	
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$ -	\$ 49.46		\$ -	
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02	6	\$ 216.12	\$ 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	5	\$ 364.90	\$ 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		\$ -			\$ -	
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]								
						<b>TASK 33 TOTAL \$ 2,285.33</b>				

MAX COST SAMPLES TOTAL  
 \$ 24.78 \$ 24.78 \$ -  
 \$ 30.35 \$ 30.35 \$ -  
 \$ 28.14 \$ 28.14 \$ -  
 \$ 25.83 \$ 25.83 \$ -  
 \$ 49.46 \$ 49.46 \$ -  
 \$ 36.02 \$ 36.02 \$ -  
 \$ 71.93 \$ 71.93 \$ -  
 \$ 50.61 \$ 50.61 \$ -  
 \$ 72.98 \$ 72.98 \$ -  
 \$ 12.39 \$ 12.39 \$ -  
**TASK 24 TOTAL \$ -**