

Vitale, Matthew J - DNR

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Wednesday, February 20, 2019 1:14 PM
To: Vitale, Matthew J - DNR
Subject: RE: Julson Store Progress report, BRRTS # 03-06-001296
Attachments: Change Order Feb '19.pdf; Change Order Feb '19.xlsx; IMG_0843.jpg; IMG_0842.jpg; IMG_0841.jpg; IMG_0840.jpg; IMG_0839.jpg

Categories: 1 Needs Tracking

Here is Change Order. I included Excel spreadsheet because scan copy is small print.

I included cost (\$300) to hire a skid-steer and plow a path across the field. There is about 2 feet of snow out there so will take awhile.

Do you need paper copy (in mail)? Please advise.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
Email: kshimko.meridianenv@gmail.com

From: Vitale, Matthew J - DNR [mailto:Matthew.Vitale@wisconsin.gov]
Sent: Tuesday, February 05, 2019 11:03 AM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: Re: Julson Store Progress report, BRRTS # 03-06-001296

Ken,

I have reviewed the January 23, 2019 Progress report you sent. I have it classified in BRRTS as a Remedial Action Documentation Report. I agree with the report's recommendations to install 5 additional monitoring wells/piezometers to fully define the extent of the groundwater plume. The only change I suggest to the proposed well locations from the report's Figure 8 is to move the eastern well nest further east another 10-20 ft to be sure it defines the eastern edge of the groundwater plume.

Please submit a PECFA U&C Cost request for installing the wells and for one additional groundwater monitoring round of all wells.

-Matt

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.



Meridian Environmental Consulting, LLC

February 20, 2019

Matthew Vitale
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
Eau Claire, Wisconsin 54701

Subject: **Change Order:**

- **Install 5 wells (2 well nests + 1 piezometer) and associated tasks**
- **One Round of Ground Water Sampling**
- **Letter Report**

Julson Store (former)
W125 County Road Z
Mondovi, Wisconsin
PECFA No. 54755-9999-25
DNR BRRTS No. 03-06-001296
Meridian No. 05F823

SCOPE OF WORK:

1. *Install 5 (five) monitoring wells:*
 - Figure 1 provides the proposed location of the monitoring wells
 - Two well nests: Each consisting of one water table well (screened 5 – 15 ft below grade) and one piezometer (screened 25 – 30 ft below grade)(total of 4 (four) wells).
 - Piezometer (screened 25 – 30 ft below grade) adjacent to MW-8
 - Survey new well elevations and locations
 - Dispose investigative waste (purge water, soil cuttings)
 - Due to the heavy snowfall in February, we included \$300 to plow a path to the proposed well nest location in the field.

2. *Sample all monitoring wells (MW-1, -4, -5A, 5B, -6, -7, -8, -9 plus two new water table wells and three new piezometers plus onsite private well)- one time. Analysis is VOC and dissolved lead (field filtered).*
3. *Provide letter report upon completion.*

COST

A cost estimate is provided using the PECFA Usual and Customary Cost Schedule. The snow plowing cost is included as a variance.

Sincerely,

MERIDIAN ENVIRONMENTAL CONSULTING, LLC



Kenneth Shimko, PG
Project Manager

Proposed Wells

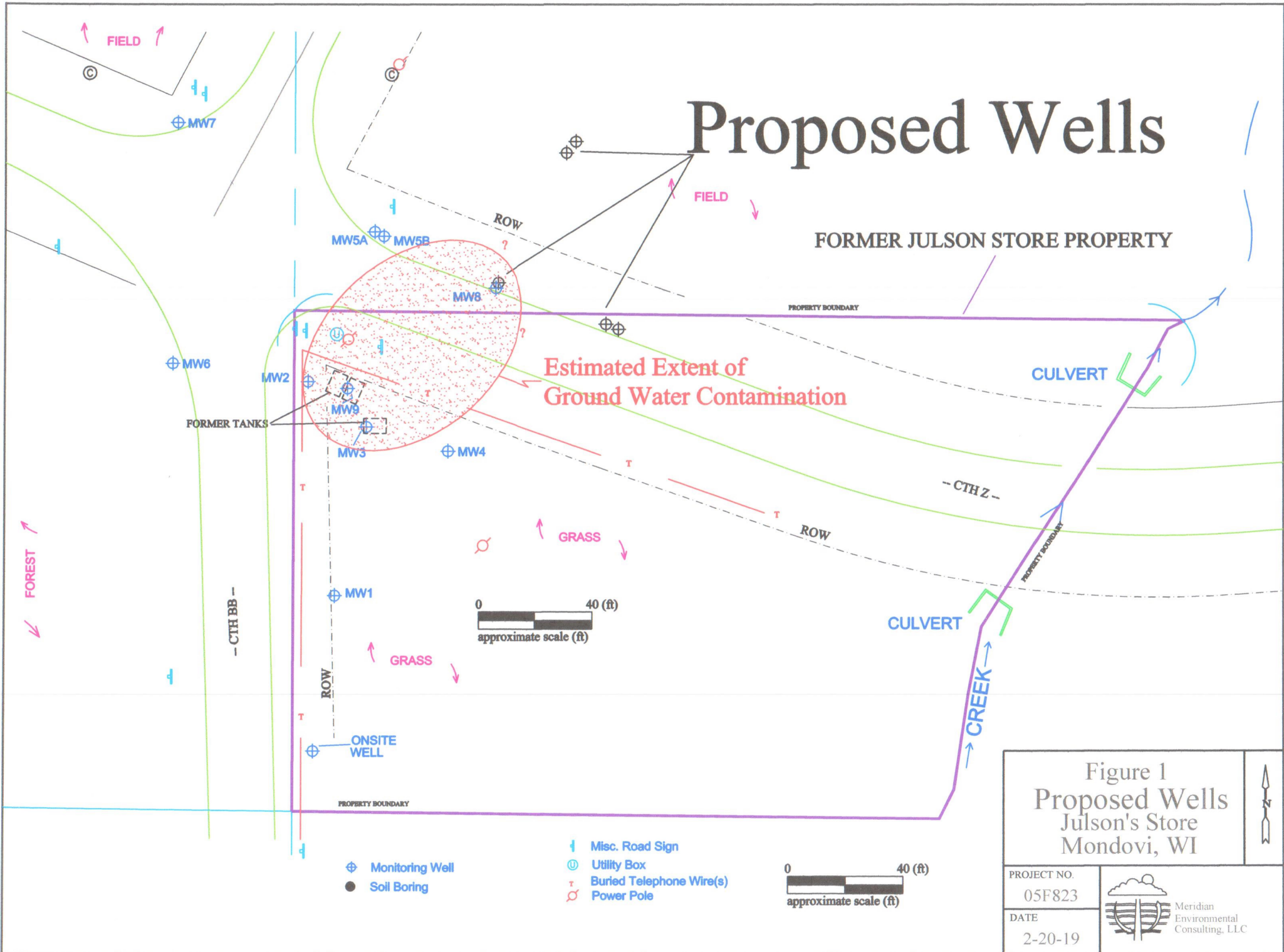


Figure 1
Proposed Wells
Julson's Store
Mondovi, WI

PROJECT NO.
05F823
DATE
2-20-19



Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

PECFA #: 54755-9999-25
 BRRTS #: 03-06-001296
 Site Name: Former Julson Store
 Site Address: Mondovi

Vendor Name: Cost Estimate
 Invoice #: Cost Estimate
 Invoice Date: February 2019
 Check #: Cost Estimate

U&C Total \$ 17,043.73
 Variance to U&C Total \$ 300.00
 Grand Total \$ 17,343.73

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
Install 5 new wells (2 well nests (Each will have two water table wells - screened 5 - 15 ft and two piezometers screened 25 - 30 ft) plus install PZ (screen 25 - 30 ft) adjacent to MW-8). Continuous soil sampling (lithology) in each piezometer. Earth drill (no sampling) in adjacent water table well. Analyze soil sample at smear zone for PVOC+Naphthalene, Lead (3 total samples). Develop wells. Survey well elevations/locations. Ground Water Sample One Time (MW-1, -4, -5A, -5B, -6, -7, -8, -9 plus five new wells plus onsite well = 14 samples) - Analyze VOC + Dissolved Lead. Letter Report. Dispose investigative waste (development water, purge water, soil cuttings).								
1	GW Sampling		GS05	Sample Collection	Well	\$ 72.45	14	\$ 1,014.30
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	\$ 26.25	1	\$ 26.25
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 690.92	1	\$ 690.92
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	2	\$ 84.22
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 108.15	8	\$ 865.20
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST			
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob (Soil Cuttings)	Site	\$ 316.47	1	\$ 316.47
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,039.29	1	\$ 1,039.29
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	\$ 117.18		\$ -
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$ 110.15	5	\$ 550.75
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	\$ 1,171.70		\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs (3 pz x 25 ft = 75 ft)	Ft	\$ 5.40	75	\$ 405.00
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs (3 pz x 5 ft = 15 ft)	Ft	\$ 5.67	15	\$ 85.05
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR15	51 - 75 ft bgs	Ft	\$ 7.30		\$ -
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 652.34	1	\$ 652.34
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR25	Consultant Oversight (2 water table wells x 15 ft = 30 ft)	Ft	\$ 1.58	30	\$ 47.40
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs (3 pz x 25 ft = 75 ft)	Ft	\$ 16.70	75	\$ 1,252.50
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs (3 pz x 5 ft = 15 ft)	Ft	\$ 18.38	15	\$ 275.70
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR55	51 - 75 ft bgs	Ft	\$ 21.53		\$ -
13.e	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Commodity	DR60	Drilling in Unconsolidated Soils (2 water table wells x 15 ft =	Ft	\$ 11.97	30	\$ 359.10
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs (2 water table wells x 15 ft + 3 PZ x 25 ft = 105 ft)	Ft	\$ 3.89	105	\$ 408.45
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs (3 PZ x 5 ft = 15 ft)	Ft	\$ 2.73	15	\$ 40.95
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	120	\$ 2,004.00
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	5	\$ 738.15
14	Monitoring Well Installation	Commodity	MWI25	Mob/Demob (For development of grout or slurry sealed wells) (piezometers are tremie-grouted)	Site	\$ 603.49	1	\$ 603.49
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$ 1,059.72	1	\$ 1,059.72
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount (3 wells on road edge)	Each	\$ 202.65	3	\$ 607.95
15	Misc. Drilling Activities & Supplies		MDT15	Stickup Well Cover (well nest in field = 2)	Each	\$ 163.91	2	\$ 327.82
15	Misc. Drilling Activities & Supplies		MDT20	Bumper Guard Posts	Each	\$ 69.30	4	\$ 277.20
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13		\$ -
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$ 203.28	2	\$ 406.56
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit (Buffalo County Highway Dept)	Permit	\$ 246.12	1	\$ 246.12
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			
21	Access Agreements		AA05	Access Agreements (Landowner - Marten)	Property	\$ 401.94	1	\$ 401.94
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$ 125.09	1	\$ 125.09
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			\$ 1,325.71
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob (purge water)	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				Snow Plowing to install MW nest in field	Task	\$ 300.00	1	\$ 300.00
Variance								

Usual and Customary Standardized Invoice #25

January 2019 - June 2019



RR-107a

TOTAL LAB CHARGES \$ 1,325.71 TASK 33 34 \$ 1,325.71 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		\$ -			
WATER	W5	VOC	SAMPLE	\$ 71.93	14	\$ 1,007.02			
WATER	W6	PAH	SAMPLE	\$ 72.98		\$ -			
WATER	W7	Lead	SAMPLE	\$ 12.39	14	\$ 173.46			
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		\$ -	MAX COST	SAMPLES	TOTAL
SOILS	S2	DRO	SAMPLE	\$ 30.35		\$ -	\$ 24.78		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$ -	\$ 30.35		\$ -
SOILS	S4	PVOC	SAMPLE	\$ 25.83		\$ -	\$ 28.14		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$ -	\$ 25.83		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02	3	\$ 108.06	\$ 49.46		\$ -
SOILS	S7	VOC	SAMPLE	\$ 71.93		\$ -	\$ 36.02		\$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	\$ 50.61		\$ -	\$ 71.93		\$ -
SOILS	S9	PAH	SAMPLE	\$ 72.98		\$ -	\$ 50.61		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.39	3	\$ 37.17	\$ 72.98		\$ -
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$ -	\$ 12.39		\$ -
SOILS	S12	Free Liquid	SAMPLE	\$ 11.24		\$ -	\$ 14.60		\$ -
SOILS	S13	Flash Point	SAMPLE	\$ 25.83		\$ -	TASK 24 TOTAL \$ -		
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])							
TASK 33 TOTAL						\$ 1,325.71			

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IMG_0840.jpg



IMG_0841.jpg



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