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December 3, 2018

Trevor Bannister
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

Subject: Erfurth's Citgo – Bid Deferment Request for Geoprobe/Drilling Project, Sub Slab Vapor Sampling, Groundwater Monitoring, Hydraulic Conductivity Testing, and Report. BRRTS #: 03-13-187588, PECFA #: 53593-9470-88

Dear Mr. Bannister,

At the request of the WDNR, METCO is submitting a bid deferment (using Usual & Customary schedule of charges) for conducting a Geoprobe/Drilling Project, Sub Slab Vapor Sampling, Groundwater Monitoring, and Hydraulic Conductivity Testing at the above-mentioned site located at 1688 Washington Street in Verona (Mt. Vernon), Wisconsin. The workscope will include: [1] Conduct Geoprobe/Drilling Project with four Geoprobe borings to approximately 12 feet below ground surface (bgs), one Geoprobe boring to approximately 18 feet bgs, and install one additional monitoring well to approximately 18 feet bgs. A soil sample will be collected above the water table from each boring for PVOC and Naphthalene analysis. (see attached site map with proposed boring/mw locations) [2] Conduct Sub Slab Vapor Sampling (SSVS) at 8641 Davis Street (Graham Residence) which will include three sampling locations for TO-15 (PVOC and Naphthalene) analysis. [3] Conduct two additional quarterly rounds of groundwater monitoring from 16 monitoring wells (MW-1, -2, -3, -4, -5, -6, -7R, -8, -9 (if accessible), -10, -11 (new well), PZ-1, and Anderson Property monitoring wells MW-11, -12, -13, and -14 for PVOC and Naphthalene analysis. [4] Conduct Hydraulic Conductivity Testing on nine wells (MW-4, -5, -6, -7R, -8, -9 (if accessible), -10, -11 (new well), and PZ-1). [5] Investigative Waste Disposal, and [6] Letter Report. The cost estimate for the above scope of work is as follows:

Access Agreements (SSVS, Geoprobe Boring, & MW)	\$ 803.88
Soil Boring Permit	\$ 492.24
Geoprobe/Drilling Project	\$ 3,682.66
Surveying	\$ 110.15

Sub Slab Vapor Sampling	\$ 2,254.29
Sub Slab Vapor Sampling (consulting)	\$ 340.00 (variance)
Groundwater Monitoring (2 rounds)	\$ 3,574.62
Hydraulic Conductivity Testing	\$ 1,180.10
Laboratory Analysis	\$ 1,284.04
Investigative Waste Disposal	\$ 641.13
Letter Report	\$ 1,039.29
Change Order Request	\$ 381.78
Total	\$15,784.18

METCO is requesting a bid deferment in the amount of \$15,784.18, to complete the above activities. Once approved by the state and client, METCO will proceed with the project.

Attached are a site layout map with proposed boring/mw/SSVS locations and the draft standardized invoice form for the above 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.

Sincerely,



Jason T. Powell
Staff Scientist

Attachment

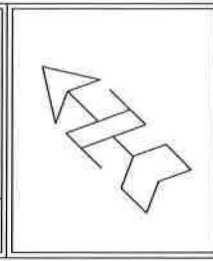
c: Harland Erfurth - Client

B.3.b. GROUNDWATER ISOCONCENTRATION
ERFURTH'S CITGO

MOUNT VERNON, WISCONSIN
 DRAWN BY: ED
 DATE: 2/14/07

709 Gillette Street
 Suite 3
 La Crosse, WI 54603
 Tel: (608) 781-9879
 Fax: (608) 781-9893

METCO
Environmental through experience

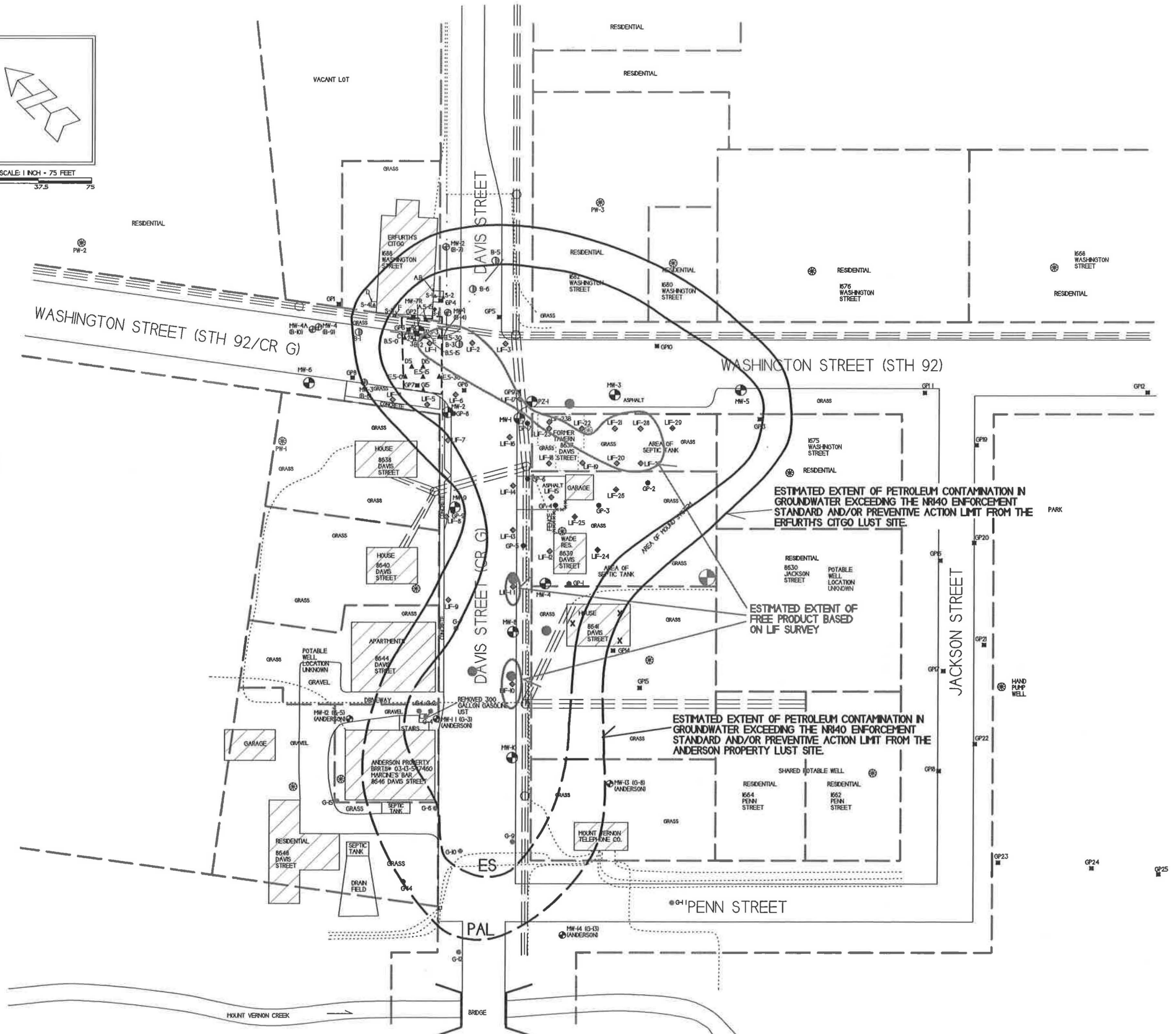


SCALE: 1 INCH = 75 FEET
 0 37.5 75

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY VARY.
- ⊕ - POTABLE WELL LOCATION
 - ▲ - SOIL SAMPLE LOCATION (JUST REMOVAL)
 - - SITE ASSESSMENT SOIL SAMPLE LOCATION
 - ⊖ - SOIL BORING LOCATION (KEY ENGINEERING 1999)
 - ⊕ - FORMER MONITORING WELL LOCATION (KEY ENGINEERING 1999)
 - ⊕ - MONITORING WELL LOCATION
 - - GEOPROBE BORING LOCATION (RMT 2004)
 - - GEOPROBE BORING LOCATION (NORTHERN ENV. 2006)
 - ▲ - SOIL EXCAVATION SAMPLE LOCATION
 - - GEOPROBE BORING LOCATION (ANDERSON PROPERTY - SEPT 2002)
 - ⊕ - MONITORING WELL LOCATION (ANDERSON PROPERTY)
 - ⊕ - LF SURVEY LOCATION (METCO 2005)
- PROPERTY BOUNDARIES
 TELEPHONE/CABLE LINE
 STORM SEWER LINE
 OVERHEAD UTILITIES
 SOIL EXCAVATION BOUNDARIES
- FORMER LUST SYSTEMS COMPONENTS:
 A - 1000 GALLON GASOLINE
 B - 1000 GALLON GASOLINE
 C - 500 GALLON GASOLINE
 D - 300 GALLON FUEL OIL
 E - GASOLINE PUMP ISLAND
 F - FUEL OIL DISPENSER

NOTES:
 1) GROUNDWATER ISOCONCENTRATION MAP IS BASED ON GROUNDWATER ANALYTICAL RESULTS FROM THE JANUARY 30, 2008 SAMPLING EVENT.
 2) MONITORING WELL MW-9 COULD NOT BE ACCESSED DURING THE SAMPLING EVENT AS THE WELL APPEARED TO HAVE BEEN PAVED OVER AND ATTEMPTS ACCESS THE WELL FAILED.

- - PROPOSED GEOPROBE BORING LOCATION
- ⊕ - PROPOSED MONITORING WELL LOCATION
- X - PROPOSED SUB SLAB VAPOR SAMPLING LOCATION



Usual and Customary Standardized Invoice #24 July 2018- December 2018



RR-100a

PECFA #: 53593-9470-88 Vendor Name: _____
 BRRTS #: 03-13-187588 Invoice #: _____
 Site Name: Erfurth's Citgo Invoice Date: _____
 Site Address: 1688 Washington St., Mt. Vernon, WI Check #: _____

U&C Total \$ 15,444.18
 Variance to U&C Total \$ 340.00
 Grand Total \$ 15,784.18

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	32	\$ 2,318.40
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	64	\$ 343.04
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 6.93	64	\$ 443.52
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$ 1.26	64	\$ 80.64
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	19	\$ 102.60
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	19	\$ 317.30
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89	18	\$ 70.02
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	18	\$ 300.60
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
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	\$ 58.59	9	\$ 527.31
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	2	\$ 492.24
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			
21	Access Agreements		AA05	Access Agreements	Property	\$ 401.94	2	\$ 803.88
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			\$ 1,284.04
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1	\$ 381.78
37	Vapor Point Installation & Sampling		VIS05	Installation & Sampling (up to 5 points)	Point	\$ 504.78	3	\$ 1,514.34
37	Vapor Point Installation & Sampling		VIS10	Mob/Demob (up to 5 points)	Site	\$ 739.95	1	\$ 739.95
	Variance			Sub Slab Vapor Sampling (Consultant: prep, schedule, coordinate with subcontractor & property owner, data reduction/analysis of results) 4 hours @ \$85/hour				\$ 340.00

Usual and Customary Standardized Invoice #24

July 2018- December 2018



RR-100A

TOTAL LAB CHARGES \$ 1,284.04 TASK 33 41 \$ 1,284.04 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	34	\$ 1,031.90			
WATER	W5	VOC	SAMPLE	\$ 71.93		\$ -			
WATER	W6	PAH	SAMPLE	\$ 72.98		\$ -			
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		\$ -			
							MAX COST	SAMPLES	TOTAL
SOILS	S1	GRO	SAMPLE	\$ 24.78		\$ -	\$ 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	7	\$ 252.14	\$ 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		\$ -			
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 \$		1,284.04			

TASK 24 TOTAL \$ -