

# Usual and Customary Standardized Invoice #22

## July 2017 - December 2017



RR-083A

PECFA #: 54755-9999-25  
 BRR's #: 03-06-001296  
 Site Name: Julson Store (former)  
 Site Address: W125 CTH Z, Mondovi

Vendor Name: Change Order  
 Invoice #: Change Order  
 Invoice Date: July 2017  
 Check #: Change Order

U&C Total \$ 59,892.14  
 Variance to U&C Total \$ -  
 Grand Total \$ 59,892.14

**Abandon 3 temp wells and replace with 5 MWs (15 ft deep) and 1 piezometer (30 ft deep). Survey. Sample two quarters (PVOC+Naph)(5 MW + 1 pz + onsite well x 2 qtrs = 14 samples). Hydraulic conductivity tests (3 MWs and 1 piezometer). Permit from Buffalo County to install wells in ROW. Waste disposal (soil and purge water). Letter Report.**

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	14	\$ 1,014.30
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 628.11	2	\$ 1,256.22
1	GW Sampling		GS30	Temporary Well Abandonment	Well	\$ 26.99	3	\$ 80.97
4	Waste Disposal	Consultant	WD05	Consultant Coordination (1 - soil, 1 - purge water)	Site	\$ 137.13	2	\$ 274.26
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	7	\$ 757.05
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST			\$ 100.00
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob (1 - soil, 1-purge water)	Site	\$ 287.70	2	\$ 575.40
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	6	\$ 660.90
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	100	\$ 540.00
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	100	\$ 1,670.00
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	100	\$ 389.00
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	\$ 2.73	5	\$ 13.65
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	105	\$ 1,753.50
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	6	\$ 885.78
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	6	\$ 1,215.90
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$ 203.28	2	\$ 406.56
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	\$ 58.59	4	\$ 234.36
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
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			

**Excavate 650 tons of contaminated soil (clean overburden set aside for backfill). This task will be competitively Bid.**

24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	\$ 4.94	650	\$ 3,211.00
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	\$ 831.92	1	\$ 831.92
24	Limited Soil Excavation	Commodity	LSE13	Laboratory (see task 24 total on Lab Schedule)	Lab Schedule		8	\$ 288.16
24	Limited Soil Excavation	Commodity	LSE15	Limited Soil Excavation	Ton	\$ 60.00	650	\$ 39,000.00
24	Limited Soil Excavation	Commodity	LSE16	Landfill Environmental Fee (provide documentation)	ACTUAL COST	see drill cuttings coord task above		
31	Consultant Overnight Per Diem		COPD05	Overnight (Well Install - 1 overnight, Excavation - 1 overnight)	Night	\$ 113.72	2	\$ 227.44
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule		14	\$ 424.90
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1	\$ 381.78

Variance  
 Variance

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<b>TOTAL LAB CHARGES</b>	<b>#####</b>	<b>TASK 33</b>	<b>14</b>	<b>#####</b>	<b>TASK 24</b>	<b>8</b>	<b>\$288.16</b>
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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	14	\$ 424.90			
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		\$ -	\$ 36.02	8	\$ 288.16
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		\$ -
							<b>TASK 24 TOTAL</b>		<b>\$ 288.16</b>
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</b>		<b>\$ 424.90</b>

LABOR RATES FOR U & C SCHEDULE		SCHEDULE 21	SCHEDULE 22
		2017	
		1/2017 to 6/2017	7/2017 to 12/2017
LABOR CATEGORY	DESCRIPTION	MAXIMUM REIMBURSABLE HOURLY LABOR RATE (Effective January 1)	MAXIMUM REIMBURSABLE HOURLY LABOR RATE (Effective July 1)
PRINCIPAL	Administrative and/or professional head of organization. Typically has a financial interest in the company. Direct professional staff; serve as technical expert or coordinator of complex sites. This rate has not been used in the computation of maximum reimbursable amounts for tasks defined as part of the usual and customary cost schedule.	\$ 134.04	\$ 134.04
SENIOR PROFESSIONAL	Senior technical leader. Develops technical and budgetary approach to work orders. Duties include aquifer characterization, review of technical reports and remedial action plans, modeling. Provides project supervision and management. Performs design and investigation work in technically complex situations often requiring innovative applications. Fieldwork is limited to performing or overseeing extremely complex activities. This maximum reimbursable rate has not been used in the computation of reimbursable amounts for tasks defined as part of field activities.	\$ 109.67	\$ 109.67
PROJECT MANAGER	Has responsibility for managing entire project, including estimating costs within the project, controlling the project budget and ensuring that PECFA statute and rules are followed. May be involved in the development of approaches to site remediation, data analysis and interpretation, and report review. Coordinates and communicates with agency personnel, consultants and claimant. Not expected to conduct field. This maximum reimbursable rate has not been used in the computation of reimbursable amounts for tasks defined as part of field activities.	\$ 109.67	\$ 109.67
STAFF PROFESSIONAL	Implements field work for on-site investigation and remediation activities including site characterization, drilling supervision, monitoring well installation and sampling activities. Assists in modeling, hydrogeologic data analysis, and report preparation. Consults with higher level professional staff.	\$ 91.39	\$ 91.39
FIELD PROFESSIONAL	Ability to conduct hydrogeological investigations relating to leaking UST's and must be experienced in overseeing a wide variety of drilling operations, monitor well installations, sample logging and collection and data acquisition and interpretation and have the ability to design, perform and interpret aquifer tests.	\$ 79.20	\$ 79.20
PECFA PROGRAM MANAGER	Is to fulfill the requirements stated in Section 11, Comm 5.805 (1)	\$ 109.67	\$ 109.67
FIELD TECHNICIAN	Performs assigned fieldwork and routine labor tasks. Assists in equipment installation and maintenance, and subcontractor oversight. Assists with well development, sampling and monitoring, static water level measurements and free product removal. Assists with field supervision of subcontractors.	\$ 60.93	\$ 60.93
DRAFTING	Technically familiar with basic engineering principles and construction methodologies. Works independently; work product reviewed by Professional Engineer. Proficient with AutoCAD or other forms of Computer Aided Design Drafting.	\$ 67.02	\$ 67.02
WORD PROCESSOR	Operates computer for word processing and spreadsheet entry. Assists technical and senior personnel with report production, correspondence preparation, and data entry.	\$ 42.65	\$ 42.65
CLERICAL	Performs general office work, typing, filing, and document reproduction.	\$ 42.65	\$ 42.65
NOTES:			
1) These labor rates include the cost of equipment and supplies used to complete office and field tasks and which are not included on the usual and customary equipment schedule. Separate costs for field and office equipment and supplies that do not appear on the usual and customary equipment schedule are not reimbursable.			
2) Reimbursement is based on the maximum rate allowed for a task, not the rate of the individual performing the work. For example, the maximum reimbursement rate for performing monitoring well sampling activities is an amount that corresponds with a Field Technician rate. However, there is no injunction against an individual with a higher reimbursable rate performing the task. (In other words, any individual that qualifies to perform a given task may perform that task, but reimbursement will be based on the hourly or unit rate for the task, not the pay rate of the individual performing the work.)			
3) Owners/operators who are or have personnel qualified to perform any of the tasks defined herein and who use their employees to perform these tasks will only be reimbursed for their cost to perform the task. (i.e. ILHR 47.30 and COMM 47.30 (1)(e)4 applies)			
4) These labor categories - FIELD PROFESSIONAL, STAFF PROFESSIONAL, SENIOR PROFESSIONAL include the following disciplines: Hydrogeologist, Geologist, Scientist and Engineer			