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January 9, 2017

Alex Edler
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313

Subject: 1404 S. Webster Avenue LUST – Site Investigation cost cap exceedence request (>\$20K). BRRTS #: 03-05-560082, PECFA #: 54301-2504-04

Dear Mr. Edler,

A cost estimate (using Usual & Customary schedule of charges) is being submitted for completion of the site investigation at the subject property located at 1404 S. Webster Avenue in Green Bay (Village of Allouez), Wisconsin. This is required due to COMM 47 rule changes (Comm 47.337(2)) which requires WDNR approval to exceed the cap.

As of today's date, \$21,258.34 has been spent which is above the \$20,000 Site Investigation Cap and included a workplan, Geoprobe/Drilling Project (14 borings ranging from 3-32 feet bgs with 91 soil samples and 7 groundwater samples collected) with field and/or laboratory analysis (Lead, VOC, PVOC, and Naphthalene), six monitoring wells installed ranging from 24-32 feet bgs, and investigative waste disposal. The proposed workscope to complete the site investigation includes: two rounds of groundwater monitoring from all six site wells for laboratory analysis (VOC, Pb, Nitrate/Nitrite, Sulfate, Dissolved Iron and Manganese), hydraulic conductivity testing, surveying, and completion of the Soil and Groundwater Investigation Report. The cost estimate for the above work scope is as follows:

Amount over the \$20K cap following the drilling project	\$ 1,258.34
Groundwater Monitoring (two events)	\$ 2,385.71
Laboratory Analysis	\$ 1,406.56
Surveying	\$ 1,288.88
Hydraulic Conductivity Testing	\$ 828.56
Soil and Groundwater Investigation Report	\$ 4,965.35
Change Order Request	\$ 381.78
Total	\$12,515.18

METCO is requesting a cost cap exceedence in the amount of **\$12,515.18**. This will bring the total site investigation costs to \$32,515.18.

It is METCO's understanding that the amount over the original \$20K budget (\$1,258.34) will go through PECFA claims review and then be handled through the appeals process.

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

Attached is a site layout map (please note that the map has not been updated following the Geoprobe/Drilling project), data tables, 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,

A handwritten signature in black ink that reads "Jason T. Powell". The signature is written in a cursive style with a long, sweeping underline that extends to the left.

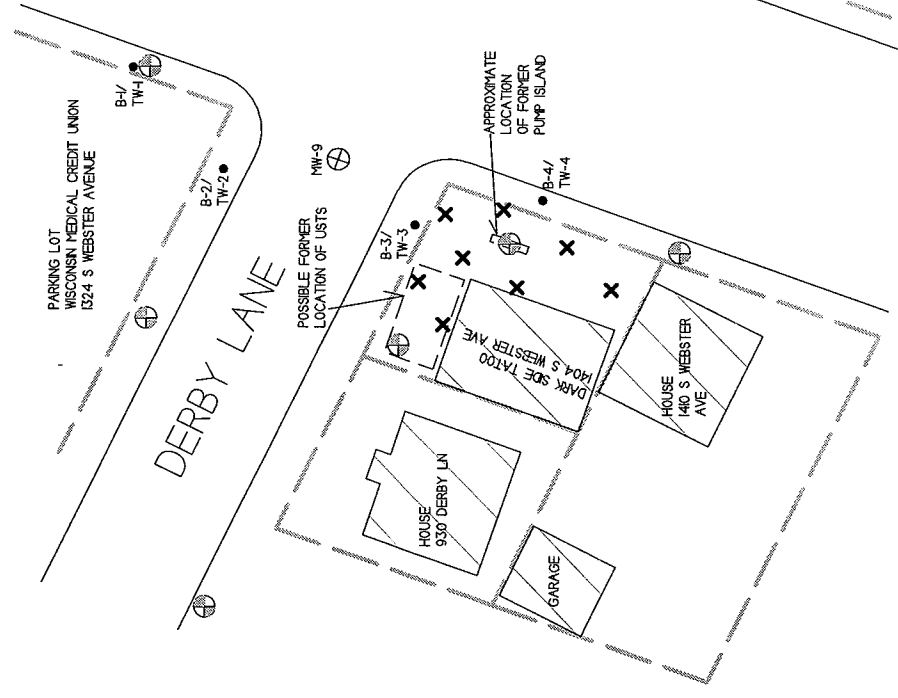
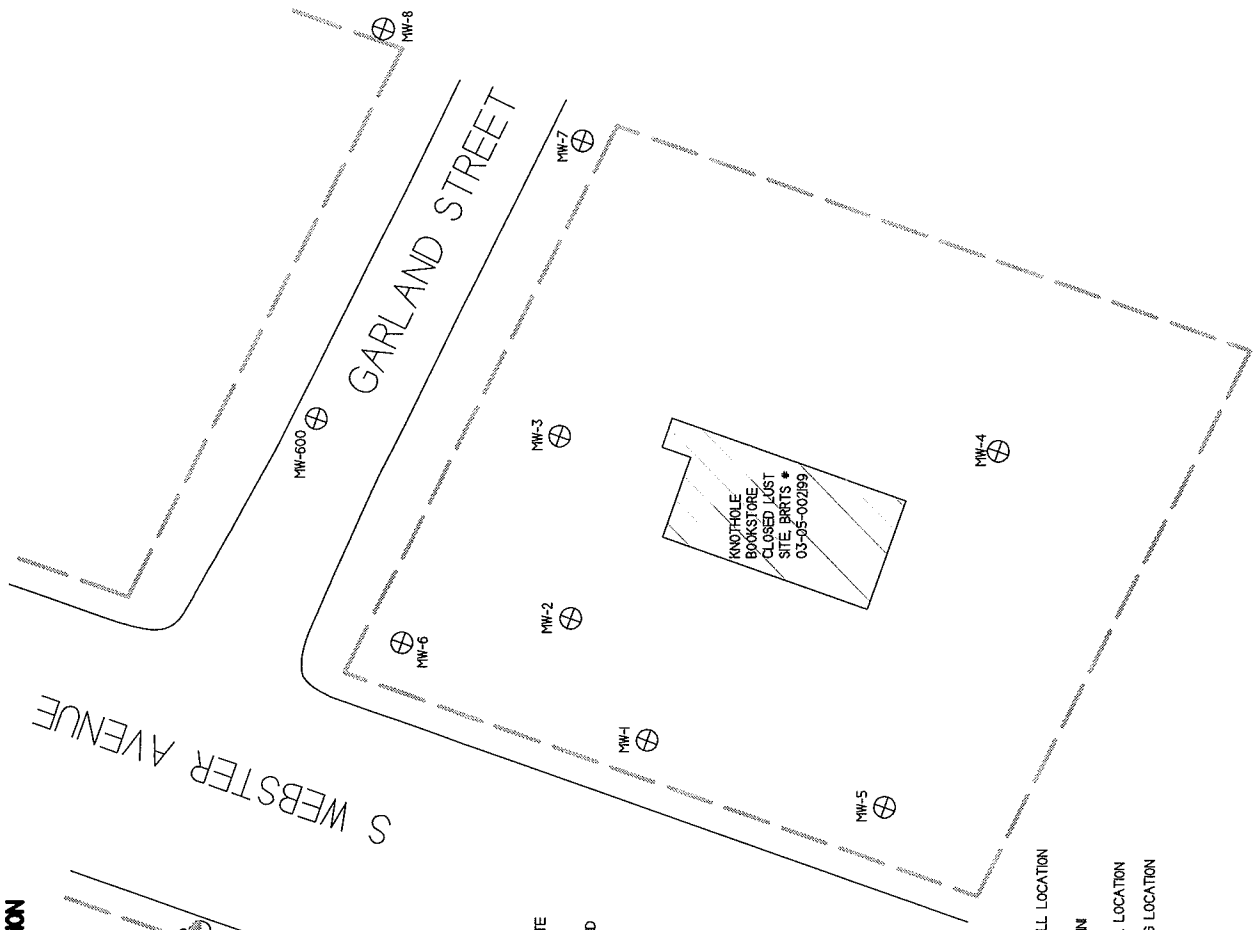
Jason T. Powell
Staff Scientist

Attachments

JTP:ds



c: Lee Amundson – Client

PROPOSED MONITORING WELL LOCATION



- ⊕ - ABANDONED MONITORING WELL LOCATION
- ⊙ - KNOTHOLE BOOKSTORE
- - SOIL BORING LOCATION - OBN
- ⊗ - PROPOSED MONITORING WELL LOCATION
- ⊗ - PROPOSED GEOPROBE BORING LOCATION

SCALE: 1 INCH = 50 FEET
 0 25 50

	
B.1.b DETAILED SITE MAP 1404 S WEBSTER AVENUE	
	
<small> PROJECT NO. SA-1000-1404 ALLIQUOZ WISCONSIN DATE: 04/22/2008 DRAWN BY: JD </small>	

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

**A.1 Groundwater Analytical Table
(Geoprobe)
1404 S. Webster BRRTS #03-05-560082**

Sample ID	Date	GRO (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
G-1-W	11/29/16	NS	<0.44	<0.71	<1.1	<1.6	0.58	<3.1	<3.1
G-2-W	11/29/16	NS	<0.44	<0.71	<1.1	<1.6	0.53	<3.1	<3.1
G-3-W	11/29/16	NS	<0.44	<0.71	<1.1	<1.6	0.77	<3.1	<3.1
G-4-W	11/29/16	NS	<0.44	<0.71	<1.1	<1.6	0.99	<3.1	<3.1
G-5-W	11/29/16	NS	0.45	<0.71	<1.1	<1.6	1.41	<3.1	<3.1
G-8-W	11/29/16	NS	<0.44	<0.71	<1.1	<1.6	0.64	<3.1	<3.1
G-9-W	11/29/16	NS	0.50	4.8	<1.1	<1.6	1.52	<3.1	27.4
ENFORCE MENT STANDARD ES = Bold		-	5	700	60	100	800	480	2000
<i>PREVENTIVE ACTION LIMIT PAL = Italics</i>		-	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

NS = Not Sampled

(ppb) = parts per billion

(ppm) = parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
(VOC's)
1404 S. Webster BRRS #03-05-560082

Well Sampling Conducted on November 29, 2016

VOC's Well Name	G-1-W	G-2-W	G-3-W	G-4-W	G-5-W	G-8-W	G-9-W	ENFORCE MENT STANDARD = ES - Bold		PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>	
Benzene/ppb	<0.44	<0.44	<0.44	<0.44	0.45 "J"	<0.44	0.50 "J"	5	0.5		
Bromobenzene/ppb	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	==	==		
Bromodichloromethane/ppb	0.81 "J"	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	0.6	0.06		
Bromoform/ppb	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	4.4	0.44		
tert-Butylbenzene/ppb	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	==	==		
sec-Butylbenzene/ppb	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	==	==		
n-Butylbenzene/ppb	<1	<1	<1	<1	<1	<1	<1	==	==		
Carbon Tetrachloride/ppb	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	5	0.5		
Chlorobenzene/ppb	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	==	==		
Chloroethane/ppb	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	400	80		
Chloroform/ppb	2.73	<0.43	0.65 "J"	<0.43	<0.43	0.70 "J"	<0.43	6	0.6		
Chloromethane/ppb	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	30	3		
2-Chlorotoluene/ppb	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	==	==		
4-Chlorotoluene/ppb	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	==	==		
1,2-Dibromo-3-chloropropane/ppb	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	0.2	0.02		
Dibromochloromethane/ppb	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	60	6		
1,4-Dichlorobenzene/ppb	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	75	15		
1,3-Dichlorobenzene/ppb	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	600	120		
1,2-Dichlorobenzene/ppb	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	600	60		
Dichlorodifluoromethane/ppb	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	1000	200		
1,2-Dichloroethane/ppb	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	5	0.5		
1,1-Dichloroethane/ppb	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	850	85		
1,1-Dichloroethene/ppb	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	<0.65	7	0.7		
cis-1,2-Dichloroethene/ppb	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	3.4	70	7		
trans-1,2-Dichloroethene/ppb	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	6.7	100	20		
1,2-Dichloropropane/ppb	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	5	0.5		
2,2-Dichloropropane/ppb	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	==	==		
1,3-Dichloropropane/ppb	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	==	==		
Di-isopropyl ether/ppb	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	==	==		
EDB (1,2-Dibromoethane)/ppb	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	0.05	0.005		
Ethylbenzene/ppb	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	4.8	700	140		
Hexachlorobutadiene/ppb	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	==	==		
Isopropylbenzene/ppb	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	==	==		
p-Isopropyltoluene/ppb	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	==	==		
Methylene chloride/ppb	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	5	0.5		
Methyl tert-butyl ether (MTBE)/ppb	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	60	12		
Naphthalene/ppb	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	100	10		
n-Propylbenzene/ppb	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	<0.77	==	==		
1,1,2,2-Tetrachloroethane/ppb	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	0.2	0.02		
1,1,1,2-Tetrachloroethane/ppb	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	70	7		
Tetrachloroethene (PCE)/ppb	197	85	140	106	174	450	109	5	0.5		
Toluene/ppb	0.58 "J"	0.53 "J"	0.77 "J"	0.99 "J"	1.41	0.64 "J"	1.52	800	160		
1,2,4-Trichlorobenzene/ppb	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	70	14		
1,2,3-Trichlorobenzene/ppb	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	==	==		
1,1,1-Trichloroethane/ppb	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	200	40		
1,1,2-Trichloroethane/ppb	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	5	0.5		
Trichloroethene (TCE)/ppb	<0.47	<0.47	<0.47	2.11	<0.47	<0.47	58	5	0.5		
Trichlorofluoromethane/ppb	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	<0.87	==	==		
1,2,4-Trimethylbenzene/ppb	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6				
1,3,5-Trimethylbenzene/ppb	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5				
Vinyl Chloride/ppb	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	Total TMB's 480	Total TMB's 96		
m&p-Xylene/ppb	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	19.4	0.2	0.02		
o-Xylene/ppb	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	8	Total Xylenes 2000	Total Xylenes 400		

NS = not sampled, NM = Not Measured
Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
== = No Exceedences
(ppb) = parts per billion (ppm) = parts per million

A.2 Soil Analytical Results Table
 1404 S. Webster BRRTS #03-05-560082

Sampling Conducted on November 29, 2016

VOC's	Sample ID#	Sample Depth/ft.	Solids Percent	Underline & Bold = Non-Industrial Direct Contact RCL		(Parenthesis & Bold) = Industrial Direct Contact RCL	Asteric * & Bold = Soil Saturation (C-sat) RCL
				RCL	RCL	RCL	RCL
	G-8-9	21	87.2				
Benzene/ppm			0.64 "J"	0.00512	1.49	7.41	1820
Bromobenzene/ppm				=	354	679	=
Bromodichloromethane/ppm			< 0.016	0.000326	0.39	976	=
Bromoform/ppm			< 0.039	0.00233	61.6	218	=
tert-Butylbenzene/ppm			< 0.015	=	183	183	183
sec-Butylbenzene/ppm			< 0.023	=	145	145	145
n-Butylbenzene/ppm			< 0.035	=	108	108	108
Carbon Tetrachloride/ppm			< 0.036	0.00388	0.85	4.25	=
Chlorobenzene/ppm			< 0.086	=	392	761	761
Chloroethane/ppm			< 0.021	0.227	=	=	=
Chloroform/ppm			< 0.039	0.0033	0.42	2.13	=
Chloromethane/ppm			< 0.045	0.0155	171	720	=
2-Chlorotoluene/ppm			< 0.026	=	=	=	=
4-Chlorotoluene/ppm			< 0.25	=	=	=	=
1,2-Dibromo-3-chloropropane/ppm			< 0.029	0.000173	0.01	0.099	=
Dibromochloromethane/ppm			< 0.032	0.032	0.93	4.4	=
1,4-Dichlorobenzene/ppm			< 0.078	0.144	3.48	17.5	=
1,3-Dichlorobenzene/ppm			< 0.031	1.15	297	297	297
1,2-Dichlorobenzene/ppm			< 0.03	1.17	376	376	376
Dichlorodifluoromethane/ppm			< 0.03	3.08	135	571	=
1,2-Dichloroethane/ppm			< 0.039	0.00284	0.61	3.03	540
1,1-Dichloroethane/ppm			< 0.043	0.484	4.72	23.7	=
1,1-Dichloroethene/ppm			< 0.03	0.00502	342	1190	1190
cis-1,2-Dichloroethene/ppm			< 0.025	0.0412	156	2040	=
trans-1,2-Dichloroethene/ppm			< 0.029	0.0588	211	1670	=
1,2-Dichloropropane/ppm			< 0.021	0.00332	1.33	6.62	=
2,2-Dichloropropane/ppm			< 0.024	=	527	527	527
1,3-Dichloropropane/ppm			< 0.025	=	1490	1490	1490
Di-isopropyl ether/ppm			< 0.1	=	2260	2260	2260
EDB (1,2-Dibromoethane)/ppm			< 0.031	0.0000282	0.05	3.03	=
Ethylbenzene/ppm			< 0.012	1.57	7.47	37	480
Hexachlorobutadiene/ppm			< 0.035	=	6.23	22.1	=
Isopropylbenzene/ppm			< 0.027	=	=	=	=
p-Isopropyltoluene/ppm			< 0.11	=	162	162	162
Methylene chloride/ppm			< 0.037	0.00256	60.7	1070	=
Methyl tert-butyl ether (MTBE)/ppm			< 0.056	0.027	59.4	293	8870
Naphthalene/ppm			< 0.22	0.659	5.15	26	=
n-Propylbenzene/ppm			< 0.025	=	=	=	=
1,1,2,2-Tetrachloroethane/ppm			< 0.087	0.000156	0.75	3.69	=
1,1,1,2-Tetrachloroethane/ppm			< 0.035	0.0533	2.59	12.9	=
Tetrachloroethene (PCE)/ppm			< 0.013	0.00454	30.7	153	=
Toluene/ppm			< 0.029	1.11	818	818	818
1,2,4-Trichlorobenzene/ppm			0.8	0.408	22.1	98.7	=
1,2,3-Trichlorobenzene/ppm			< 0.031	=	48.9	493	=
1,1,1-Trichloroethane/ppm			< 0.085	0.14	=	=	=
1,1,2-Trichloroethane/ppm			< 0.12	0.00324	1.48	7.34	=
Trichloroethene (TCE)/ppm			< 0.04	0.00358	0.64	8.81	=
Trichlorofluoromethane/ppm			< 0.033	=	1120	1230	1230
1,2,4-Trimethylbenzene/ppm			< 0.042		89.8	219	219
1,3,5-Trimethylbenzene/ppm			< 0.06	1.38	182	182	182
Vinyl Chloride/ppm			< 0.078	0.000138	0.07	2.03	=
m&p-Xylene/ppm			< 0.089				
o-Xylene/ppm			< 0.01	3.94	258	258	258
			< 0.07				
			< 0.029				

NS = not sampled, NM = Not Measured

(ppm) = parts per million

= = No Exceedences

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Note: Non-Industrial RCLs apply to this site.

Site Name: 1404 S. Webster

Sample ID: G-1-1 (3.5 feet)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E= Individual Exceedance?	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111,000	1,490	1,490	ca					1.00E-06
Ethylbenzene	100-41-4	4,220,000	7,470	7,470	ca					
Toluene	108-88-3	5,300,000		818,000	Csat					
Xylenes	1330-20-7	878,000		260,000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800,000	59,400	59,400	ca					
Trimethylbenzene, 1,2,4-	95-63-6	89,800		89,800	nc					
Trimethylbenzene, 1,3,5-	108-67-8	782,000		182,000	Csat					
Naphthalene	91-20-3	188,000	5,150	5,150	ca					
Lead and Compounds	7439-92-1			400,000	nc	52	11,000			

03-05-560082

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 .0000 0.0E+00

To Pass, data must meet all these criteria: Exceedance HI ≤ Cumulative CR
Count = 0 1.0 ≤ 1e-05

Bottom-Line:

.1,000 12/11/2015

Yes, levels are below direct-contact concern.

Site Name: 1404 S. Webster

Sample ID: G-2-1 (3.5 feet)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not To Exceed D/C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance?	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	1,111.000	1,490	1,490	ca					1.00E-06
Ethylbenzene	100-41-4	4,220.000	7,470	7,470	ca					
Toluene	108-88-3	5,300.000		818.000	Csat					
Xylenes	1330-20-7	878.000		260.000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800.000	59.400	59.400	ca					
Trimethylbenzene, 1,2,4-	95-63-6	89.800		89.800	nc					
Trimethylbenzene, 1,3,5-	108-67-8	782.000		182.000	Csat					
Naphthalene	91-20-3	188.000	5.150	5.150	ca					
Lead and Compounds	7439-92-1			400.000	nc	.52	5.5000			

03-05-560082	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	0	.0000	0.0E+00
	To Pass, data must meet all these criteria:	Exceedance Count = 0	HI ≤ 1.0	Cumulative CR ≤ 1e-05
	Bottom-Line:	Yes, levels are below direct-contact concern.		
		.1.000 12/11/2015		

Site Name: 1404 S. Webster

Sample ID: G-3-1 (3.5 feet)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E= Individual Exceedance	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111.000	1.490	1.490	ca					1.00E-06
Ethylbenzene	100-41-4	4,220.000	7.470	7.470	ca					
Toluene	108-88-3	5,300.000		818.000	Csat					
Xylenes	1330-20-7	878.000		260.000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800.000	59.400	59.400	ca					
Trimethylbenzene, 1,2,4-	95-63-6	89.800		89.800	nc					
Trimethylbenzene, 1,3,5-	108-67-8	782.000		182.000	Csat					
Naphthalene	91-20-3	188.000	5.150	5.150	ca					
Lead and Compounds	7439-92-1			400.000	nc	52	5.6600			

03-05-560082	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	0	.0000	0.0E+00
	To Pass, data must meet all these criteria:	Exceedance Count = 0	HI ≤ 1.0	Cumulative CR ≤ 1e-05
	Bottom-Line:	Yes, levels are below direct-contact concern.		
		.1.000 12/11/2015		

Site Name: 1404 S. Webster

Sample ID: G-4-1 (3.5 feet)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D.C. RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E# (Individual Exceedance)	Hazard Quotient (HQ) (From Data)	Cancer Risk (CR) (From Data)
Benzene	71-43-2	111,000	1,490	1,490	ca					1.00E+06
Ethylbenzene	100-41-4	4,220,000	7,470	7,470	ca					
Toluene	108-88-3	5,300,000								
Xylenes	1330-20-7	878,000		818,000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800,000	59,400	260,000	Csat					
Trimethylbenzene, 1,2,4-	95-63-6	89,800		59,400	ca					
Trimethylbenzene, 1,3,5-	108-67-8	782,000		89,800	nc					
Naphthalene	91-20-3	188,000	5,150	182,000	Csat					
Lead and Compounds	7439-92-1			400,000	nc	52	12,1000			

03-05-560082

Exceedance Count / Hazard Index / Cumulative Cancer Risk: 0 .0000 0.0E+00

To Pass, data must meet all these criteria: Exceedance HI ≤ Cumulative CR
 Count = 0 1.0 ≤ 1e-05

Bottom-Line: .1000 12/11/2015 Yes, levels are below direct-contact concern.

Site Name: 1404 S. Webster

Sample ID: G-8-1 (3.5 feet)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E = Individual Exceedance?	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111.000	1.490	1.490	ca					1.00E-06
Ethylbenzene	100-41-4	4,220.000	7.470	7.470	ca					
Toluene	108-88-3	5,300.000		818.000	Csat					
Xylenes	1330-20-7	878.000		260.000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800.000	59.400	59.400	ca					
Trimethylbenzene, 1,2,4-	95-63-6	89.800		89.800	nc					
Trimethylbenzene, 1,3,5-	108-67-8	782.000		182.000	Csat					
Naphthalene	91-20-3	188.000	5.150	5.150	ca					
Lead and Compounds	7439-92-1			400.000	nc	52	5.2400			

03-05-560082	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	0	.0000	0.0E+00
	To Pass, data must meet all these criteria:	Exceedance Count = 0	HI ≤ 1.0	Cumulative CR ≤ 1e-05
	Bottom-Line:	Yes, levels are below direct-contact concern.		
		.1,000 12/11/2015		

Site Name: 1404 S. Webster

Sample ID: G-9-1 (3.5 feet)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D/C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E= Individual Exceedance:	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	.111,000	1,490	1,490	ca					1.00E-06
Ethylbenzene	100-41-4	4,220,000	7,470	7,470	ca					
Toluene	108-88-3	5,300,000		818,000	Csat					
Xylenes	1330-20-7	878,000		280,000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800,000	59,400	59,400	ca					
Trimethylbenzene, 1,2,4-	95-63-6	89,800		89,800	nc					
Trimethylbenzene, 1,3,5-	108-67-8	782,000		182,000	Csat					
Naphthalene	91-20-3	188,000	5,150	5,150	ca					
Lead and Compounds	7439-92-1			400,000	nc	52	6,000			

03-05-560082	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	0	.0000	0.0E+00
	To Pass, data must meet all these criteria:	Exceedance Count = 0	HI ≤ 1.0	Cumulative CR ≤ 1e-05
	Bottom-Line:	.1,000	12/11/2015	Yes, levels are below direct-contact concern.

Site Name: 1404 S. Webster

Sample ID: MW-2-1 (3.5 feet)

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	Background Threshold Value (mg/kg)	INPUT Site Data (mg/kg)	Flag E= Individual Exceedance?	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Benzene	71-43-2	111,000	1,490	1,490	ca					1.00E-06
Ethylbenzene	100-41-4	4,220,000	7,470	7,470	ca					
Toluene	108-88-3	5,300,000		818,000	Csat					
Xylenes	1330-20-7	878,000		260,000	Csat					
Methyl tert-Butyl Ether (MTBE)	1634-04-4	23,800,000	59,400	59,400	ca					
Trimethylbenzene, 1,2,4-	95-63-6	89,800		89,800	nc					
Trimethylbenzene, 1,3,5-	108-67-8	782,000		182,000	Csat					
Naphthalene	91-20-3	188,000	5,150	5,150	ca					
Lead and Compounds	7439-92-1			400,000	nc	.52	7.6800			

03-05-560082	Exceedance Count / Hazard Index / Cumulative Cancer Risk:	0	.0000	0.0E+00
	To Pass, data must meet all these criteria:	Exceedance Count = 0	HI ≤ 1.0	Cumulative CR ≤ 1e-05
	Bottom-Line:	Yes, levels are below direct-contact concern.		
		.1000	12/11/2015	

Usual and Customary Standardized Invoice #20
July 2016 - December 2016



RR-061A

TOTAL LAB CHARGES \$1,406.56 TASK 33 50 \$1,406.56 TASK 24 0 \$-

MATRIX	REF CODI	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	12	\$148.68			
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	6	\$67.44			
WATER	W12	Total Kjeldahl	SAMPLE	\$20.27		\$-			
WATER	W13	Ammonia	SAMPLE	\$16.91		\$-			
WATER	W14	Sulfate	SAMPLE	\$10.19	6	\$61.14			
WATER	W15	Iron	SAMPLE	\$10.19	6	\$61.14			
WATER	W16	Manganese	SAMPLE	\$10.19	6	\$61.14			
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		\$-	\$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		\$-
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		\$-			
LNAPL	LFPS01	Viscosity + Density interfacial tension I (LNAPL/water [dyne/cm] interfacial tension II (LNAPL/air [dyne/cm] interfacial tension III (water/air [dyne/cm]	SAMPLE	\$561.33		\$-			
							TASK 24 TOTAL		\$-
							TASK 33 TOTAL		\$1,406.56