DELTA
ENVIRONMENTAL LABORATORIES, Ltd

Client:
U.S. Dept. of Transportation
2595 Lake Herman Rd.
Benicia, CA 94510

Client Project ID:

Attention: Esther Harris

Ref: R15647_300
Method: EPA 6010/7471
Sampled: 08/08/08
Received: 08/08/08
Analyzed: 8/12-15/08
Reported: 08/18/08
Analyst: KW
Matrix: Solid
Units: mg/kg

Laboratory Results for TTLC Metal Analysis

Digestion: EPA 3050

Analyte	TTLC Max. Limit (mg/kg)	Detection Limit (mg/kg)	Results
			Sample ID
			15647
			Winthrop Victory
Silver	500	25	ND
Arsenic	500	50	ND
Barium	10,000	25	**15.8**
Beryllium	75	25	ND
Cadmium	100	25	ND
Cobalt	8,000	25	**86.5**
Chromium (Total)	2,500	25	**1300**
Copper	2,500	25	**203**
Mercury	20	0.04	**0.7**
Molybdenum	3,500	25	ND
Nickel	2,000	25	**119**
Lead	1,000	25	**15,400**
Antimony	500	25	ND
Selenium	100	50	ND
Thallium	700	100	ND
Vanadium	2,400	25	ND
Zinc	5,000	25	**18,400**

ND: Not Detected

H. Khosh Khoo, Ph.D.
Laboratory Director/President

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Client:
U.S. Dept of Transportation
2895 Lake Herman Rd
Benicia, CA, 94510

Attention: Esther Harris

Ref. R15647_300_TCLP
Method: 6010/7470
Sampled: 08/08/08
Received: 08/08/08
Analyzed: 09/08/08
Reported: 09/08/08
Matrix TCLP extract
Unit mg/L

Laboratory Results of TCLP Analysis
EPA 1311

Analyte	Reporting Limit (mg/L)	Results
		Sample ID
		15647
Chromium (total)	0.05	0.37
Lead	0.05	11

ND: Not Detected

H. Khosh Khoo, Ph.D.
Laboratory Director/President

685 Stone Road #11 & 12 • Benicia, CA 94510 • (707) 747-6081 • (800) 747-6082 • Fax (707) 747-6082

Client:
U.S. Department of Transportation
2895 Lake Herman Road
Benicia, CA 94510

Attention:Esther Harris

Ref.	R15647_STLC
Method:	6010
Sampled:	08/08/08
Received:	08/08/08
Analyzed:	09/08/08
Reported:	09/08/08
Matrix	STLC Extract
Unit	mg/L

Laboratory Results of STLC Analysis
Title 22
W.E.T. Extract

Analyte	Detection Limit (mg/L)	Results
		Sample ID
		15647
Chromium (total)	5.0	40.6
Lead	5.0	692
Zinc	5.0	1092

ND: Not Detected

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Laboratory Director/President

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Client:
U.S. Dept. of Transportation
2595 Lake Herman Rd.
Benicia, CA 94510

Quality Control Report

Client Project ID:

Ref: Q15647_300
Method: 6010/7471
Analyzed: 8/12-15/08
Reported: 08/18/08
Analyst: KW
Matrix: Solid
Units: mg/kg

Spiked Sample: Blank

Quality Control Results of Analysis for Metals

Digestion: EPA 3005

Analyte	Detection Limit mg/kg	Sample Results mg/kg	Spike Added mg/kg	Spike Recovery mg/kg	Spike Dup. Recovery mg/kg	MS/BS percent Recovery	MSD/BSD percent Recovery	Relative Percent Difference
Silver	0.25	ND	50.00	51.0	44.3	102	89	14.1
Arsenic	0.50	ND	50.00	51.0	48.5	102	97	5.0
Barium	0.25	ND	50.00	52.4	49.3	105	99	6.1
Beryllium	0.25	ND	50.00	49.2	47.1	98	94	4.4
Cadmium	0.25	ND	50.00	50.0	47.9	100	96	4.3
Cobalt	0.25	ND	50.00	49.9	47.9	100	96	4.1
Chromium -total	0.25	ND	50.00	49.5	47.5	99	95	4.1
Copper	0.25	ND	50.00	51.6	49.1	103	98	5.0
Mercury	0.02	ND	0.42	0.401	0.407	95	97	1.5
Molybdenum	0.25	ND	50.00	48.7	46.6	97	93	4.4
Nickel	0.25	ND	50.00	51.2	49.1	102	98	4.2
Lead	0.25	ND	50.00	50.4	48.0	101	96	4.9
Antimony	0.25	ND	50.00	49.7	48.0	99	96	3.5
Selenium	0.50	ND	50.00	48.4	46.4	97	93	4.2
Thallium	1.00	ND	50.00	49.5	48.7	99	97	1.6
Vanadium	0.25	ND	50.00	49.5	47.6	99	95	3.9
Zinc	0.25	ND	50.00	51.6	49.4	103	99	4.4

ND: Not Detected

H.Khosh Khoo, PhD.,
Laboratory Director/President

Delta Environmental Laboratories

Chain of Custody (COC) Form

685 Stone Road #11 & 12
Benicia, Ca, 94510
(707(747-6081, 800-747-6082 FAX (707) 747-6082

Results to: Esther Harris
Client Name: U.S. Dept of Transportation
2595 Lake Herman Rd.
Benicia, CA 94510
(707)745-0487 ext. 303
Telephone: Fax: (707) 745 2508
SAMPLER (signature): (print):
Turnaround: Std

Project Name:

LAB ID 15647
Ref #

Analysis Requested

#	Sample ID or Location	Date	Time	Matrix	Cont. Type	Preservative	No. of containers	pH	Temperature	TDS	Conn 17 & 25		SJ Le	Telf							Comments:
1	Winthrop Victory	8/6/08	1000	Std						X	X										

Relinquished by: Harry Legendre	Date 8-8-08	1)	Have all samples received been stored on ice? ✓
Received By: [signature]	Date 8/8/08	2)	Did any VOA samples received have any head space? NA
Relinquished by:	Date	3)	Were samples in appropriate containers and packaged properly? ✓
Received By:	Date	4)	Were samples receicved in good condition? ✓

*CONTAINER TYPES: AL = Amber Liter; AHL = 500 ml Amber; PT = Pint (Plastic); QT = Quart (Plastic); HG = Half Gallon (Plastic); SJ = Soil Jar; B4 = 4oz. BACT; BT = Brass Tube; VOA = 40mL VOA; OTC - Other Type Container

*MATRIX: AQ = Aqueous Nondrinking Water, Digested Metals; FE = Low R.L.s, Aqueous Nondrinking Water, Digested Metals; DW = Drinking Water; SL = Soil Sludge, Solid ; FP = Free Product

* PRESERVATIVE: 1=HNO3; 2=HCl; 3=H2SO4; 4=Na2S2O3; 5=NAOH; 6=NH4Cl; 7=ZnAce