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Transmitted Electronically

May 3, 2005

Mr. Glenn Adams
On-Scene Coordinator
U.S. Environmental Protection Agency
61 Forsyth Street, SW 11th Floor
Atlanta, Georgia 30303

Subject: **Summary Analytical Data**
Cobb County Meth Lab
EPA Contract No. 68-W-00-123
Technical Direction Document (TDD) No. 4W-05-03-B-001
Document Control No. (DCN): WSI-CML-0007

Dear Mr. Adams:

Weston Solutions, Inc., (Weston) Superfund Technical Assessment and Response Team - 2 (START-2) is submitting one copy of the Summary Analytical Data tables for the Cobb County Meth Lab site located in Smyrna, Cobb County, Georgia.

During the March 2005 sampling event, START-2 collected a total of six surface soil samples (three composite and three grab samples) and a total of two subsurface soil grab samples from the site property. All samples were analyzed for Target Analyte List (TAL) inorganics, Target Compound List (TCL) Volatile Organic Compounds (VOC), TCL Semivolatile Organic Compounds (SVOC), phosphorus, lithium, and pH.

The pH of the samples ranged from 4.34 to 7.48. No VOCs were detected in any of the samples. Several SVOCs were detected in the surface soil samples including fluoranthene, pyrene, benzo (b and k) fluoranthene, and chrysene; however, the detection level is well below the EPA Region 9 Preliminary Remediation Goal (PRG) (http://www.epa.gov/region09/waste/sfund/prg/index.htm) and the constituents are not attributable to the site activities. Bis (2-ethylhexyl) phthalate was detected at a level well below the PRG in four of the surface soil samples and is a common sampling contaminant not attributable to the activities at the property. No SVOC were detected in the subsurface soil samples.

Phosphorus was detected in one sample (CCML-04-SS), the grab sample collected adjacent to the back door of the house, at 960 milligrams per kilogram (mg/kg), a level slightly above the median naturally occurring background level for the area but well within the range of naturally occurring levels (USGS. *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States. USGS Professional Paper 1270.* 1984). Iron was the only inorganic constituent detected above the PRG at levels ranging from 26,000 to 39,000 mg/kg; however, these levels of iron are well below the removal action level

of 69,000 mg/kg. The levels are likely attributed to the natural iron content of the soil.

Based on the observations made during the sampling event and the analytical results, no further EPA activity at the property is anticipated.

This letter contains one attachment, the Summary Analytical Data Tables, for your review.

Please contact me at (770) 325-7944 if you have any questions or comments regarding this letter or attachment.

Sincerely,

Stacy L. Kowalski
START-2 Project Manager

Enclosure

cc: Matthew Monsees, EPA Project Officer
Joseph Baer, START-2 Program Manager (w/o enclosures)
Greg Harper, START-2 Emergency Response and Removal Coordinator (w/o enclosures)
START-2 File

TABLE 1
SURFACE SOIL SAMPLING LOCATIONS

Sample Number	Location	Rationale
CCML-01-SS	5-point composite surface soil sample collected from the backyard in the area east of the back door and inside the driveway loop	Determine presence or absence of hazardous substances
CCML-02-SS	5-point composite surface soil sample collected from the backyard in the area west of the back door	Determine presence or absence of hazardous substances
CCML-03-SS	5-point composite surface soil sample collected from the backyard, south of the driveway	Determine presence or absence of hazardous substances
CCML-04-SS	Grab surface soil sample collected from the area adjacent to and west of the back door	Determine presence or absence of hazardous substances
CCML-05-SS	Grab surface soil sample collected from the area due south of the back door, south of the driveway	Determine presence or absence of hazardous substances
CCML-06-SS	Grab surface soil sample collected from the southwest corner of the backyard	Determine presence or absence of hazardous substances

Notes: CCML- Cobb County Meth Lab
SS- Surface soil sample

TABLE 2
SUBSURFACE SOIL SAMPLING LOCATIONS

Sample Number	Location	Rationale
CCML-05-SB	Grab subsurface soil sample collected from the area due south of the back door, south of the driveway	Determine presence or absence of hazardous substances
CCML-06-SB	Grab subsurface soil sample collected from the southwest corner of the backyard	Determine presence or absence of hazardous substances

Notes: CCML - Cobb County Meth Lab
SB - Subsurface soil sample

TABLE 3
SURFACE SOIL SAMPLES
INORGANIC ANALYTICAL RESULTS
COBB COUNTY METH LAB

	PRG	CCML-01-SS	CCML-02-SS	CCML-03-SS	CCML-04-SS	CCML-05-SS	CCML-05D-SS	CCML-06-SS
Inorganics (mg/kg)								
Aluminum	76,000	14,400	12,000	17,000	11,000	17,000	11,000	13,000
Antimony	31	--	--	--	--	--	--	--
Arsenic	22	7	3	4	3.2	3.6	2.7	2.7J
Barium	5,400	57	71	79	77	88	65	83
Beryllium	150	--	--	--	--	--	--	--
Cadmium	37	--	--	--	0.91	--	--	--
Calcium	NL	2,600	4,800	3,700	1,800	3,100	2,300	4,600
Chromium	210	19	12	19	14	23	17	12
Cobalt	900	--	--	--	--	--	--	--
Copper	3,100	28	3,100	18	35	17	15	15
Cyanide	1,200	--	--	--	--	--	--	--
Iron	23,000	23,000	18,000	27,000	16,000	26,000	20,000	18,000
Lead	400	110	60	34	120	34	26	34
Lithium	1,600	--	--	--	--	--	--	--
Magnesium	NL	660J	840	880	1,400	1,900	1,100	750J
Mercury	23	0.19	--	--	--	--	--	--
Manganese	1,800	250	1,500	390	280	340	290	430
Nickel	1,600	--	--	--	6.2	7.3	5.4	--
Phosphorus	800*	590J	620J	610J	960J	560J	510J	780J
Potassium	NL	660J	860	870	1,400	1,800	1,200	800
Selenium	390	--	0.78R	--	--	--	--	0.44R
Silver	390	--	0.24J	--	--	--	--	--
Sodium	NL	430J	--	--	--	--	--	--
Thallium	5.2	--	--	--	--	--	--	--
Vanadium	550	47	33	62	30	61	47	36
Zinc	23,000	190J	360J	73J	320J	56J	42J	75J

Notes:
CCML - Cobb County Meth Lab
SS - Surface Soil Sample
D - Duplicate sample
mg/kg - Milligrams per kilogram
NL - Constituent not listed
PRG - EPA Region 9 Preliminary Remediation Goal
J - Estimated value
R- Constituent not usable
-- Constituent not detected
* - Background level derived from U.S. Geological Survey, Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States. USGS Professional Paper 1270. 1984.
Shading - Constituent is elevated above the PRG

TABLE 4
SURFACE SOIL SAMPLES
ORGANIC ANALYTICAL RESULTS
COBB COUNTY METH LAB

	PRG	CCML-01-SS	CCML-02-SS	CCML-03-SS	CCML-04-SS	CCML-05-SS	CCML-05D-SS	CCML-06-SS
VOC (ug/kg)								
None detected								
SVOC (ug/kg)								
Fluoranthene	2.3E+06	120J	--	85J	--	--	--	95J
Pyrene	2.3E+06	69J	--	57J	--	--	--	84J
Bis(2-ethylhexyl) phthalate	35,000	620	--	--	--	--	--	110J
Benzo(a)anthracene	620	50J	--	--	--	--	--	--
Benzo(b)fluoranthene	620	--	--	--	52J	--	--	71J
Benzo(k)fluoranthene	6,200	--	--	45J	--	--	--	--
Chrysene	62,000	92J	--	--	--	--	--	58J

Notes:
CCML - Cobb County Meth Lab
SS - Surface Soil Sample
VOC - Volatile Organic Compound
SVOC - Semivolatile Organic Compound
ug/kg - Micrograms per kilogram
D - Duplicate Sample
J - Estimated value
-- Constituent not detected
PRG - EPA Region 9 Preliminary Remediation Goal
NL - Not Listed

TABLE 5
SURFACE SOIL SAMPLES
pH ANALYTICAL RESULTS
COBB COUNTY METH LAB

	pH
CCML-01-SS	5.35
CCML-02-SS	6.13
CCML-03-SS	6.95
CCML-04-SS	4.34
CCML-05-SS	6.65
CCML-05D-SS	6.67
CCML-06-SS	7.48

Notes: CCML - Cobb County Meth Lab
D - Duplicate Sample
SS - Surface Soil Sample

TABLE 6
SUBSURFACE SOIL SAMPLES
INORGANIC ANALYTICAL RESULTS
COBB COUNTY METH LAB

	PRG	CCML-05-SB	CCML-06-SB
Inorganics (mg/kg)			
Aluminum	76,000	22,000	18,000
Antimony	31	--	--
Arsenic	22	3.6	1.7
Barium	5,400	39	42
Beryllium	150	--	--
Cadmium	37	--	--
Calcium	NL	610J	450J
Chromium	210	26	12
Cobalt	900	--	--
Copper	3,100	15	10
Cyanide	1,200	--	--
Iron	23,000	39,000	21,000
Lead	400	36	9.7
Lithium	1,600	--	--
Magnesium	NL	250J	330J
Mercury	23	0.15	--
Manganese	1,800	160	430
Nickel	1,600	--	--
Phosphorus	800*	180J	200J
Potassium	NL	300J	310J
Selenium	390	--	--
Silver	390	--	--
Sodium	NL	--	--
Thallium	5.2	3.8	--
Vanadium	550	93	45
Zinc	23,000	26J	20J

Notes:
CCML- Cobb County Meth Lab
SB - Subsurface soil sample
mg/kg - Milligrams per kilogram
NL - Constituent not listed
PRG - EPA Region 9 Preliminary Remediation Goal
J - Estimated value
Shading - Constituent elevated above the PRG
'-- Constituent not detected
* - Background level derived from U.S. Geological Survey, Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States. USGS Professional Paper 1270. 1984.

TABLE 7
SUBSURFACE SOIL SAMPLES
ORGANIC ANALYTICAL RESULTS
COBB COUNTY METH LAB

	PRG	CCML-05-SB	CCML-06-SB
VOC (ug/kg)			
None detected			
SVOC (ug/kg)			
None detected			

Notes:

CCML - Cobb County Meth Lab
SB - Subsurface soil sample
VOC - Volatile Organic Compound
SVOC - Semivolatile Organic Compound
ug/kg - Micrograms per kilogram
PRG - EPA Region 9 Preliminary Remediation Goal

TABLE 8
SUBSURFACE SOIL SAMPLES
pH ANALYTICAL RESULTS
COBB COUNTY METH LAB

	pH
CCML-05-SB	5.78
CCML-06-SB	6.59

Notes: CCML - Cobb County Meth Lab
SB - Subsurface Soil Sample