PHASE III ESA
FORMER MICHIGAN STATE FAIRGROUNDS
1120 WEST STATE FAIR AVENUE
DETROIT, MICHIGAN

Prepared For:
THE STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY, MANAGEMENT, AND BUDGET
Lansing, Michigan

Prepared By:

MATERIALS TESTING CONSULTANTS, INC.
Grand Rapids, Michigan

July 2012
MTC Project No. 121055

Materials Testing Consultants, INC.
MATERIALS Engineers, Independent TESTING Laboratories, Geotechnical & Environmental CONSULTANTS — Since 1968

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July 17, 2012
Project No. 121055

Mr. Sadi Rayyan, P.E.
Design and Construction Division
DTMB Facilities Administration
2nd Floor Mason Building
530 W. Allegan St.
Lansing, Michigan 48933

Reference: Phase III Environmental Site Assessment
Former Michigan State Fairgrounds
1120 West State Fair Avenue
Detroit, Michigan

Dear Mr. Rayyan:

Materials Testing Consultants, Inc. (MTC) is pleased to provide the Michigan Department of Technology, Management and Budget with this Investigation Report for additional soil delineation and characterization of the Former Michigan State Fairgrounds located at 1120 West State Fair Avenue, Detroit, Michigan (Site). This investigation was based on the scope of services described in our proposal submitted on April 6, 2012. The work was completed to fully delineate impacts to soil and/or groundwater at four Recognized Environmental Conditions (RECs), previously identified in the May 2009 Phase I Environmental Site Assessments (ESAs), and the June 2009 Phase II ESA.

Background

In May 2009, a Phase I ESA Report was submitted by MTC to the Michigan Department of Transportation, Management, and Budget (DTMB) for historical background review and evaluation of potential RECs with regards to the Site. Eight RECs were identified during the Phase I ESA.

In July 2009, MTC completed a Phase II ESA subsurface investigation to evaluate impacts to soil and groundwater at four of the eight RECs at the Site. From the Phase II investigation, the following RECs were identified as areas that required additional investigation:

1. Former Midway underground storage tank (UST) area located west of the Midway Track area – two gasoline tanks removed in 2003
2. Former location of Maintenance/Machine Shop
3. Former 250-gallon diesel and 500-gallon gasoline aboveground storage tanks located east of the Band Shell – removed in 2003
4. Former 2,000-gallon fuel oil tank located at the south wall of the Dodge Pavilion

On March 27, 2012, MTC was contacted by MI DTMB to complete a Phase III environmental site assessment (ESA) to delineate the previously identified soil impacts at the 4 identified RECs. The ESA also determined if soil impacts are a human health or environmental risk and evaluate potential migration pathways.

Field Investigation

On May 30, 2012, MTC initiated the Phase III ESA. MTC met with utility companies, as requested by the scheduled MISS DIG request, to locate active utilities located in and near the four RECs. Utilities were marked with temporary paint on the ground surface to identify each utility. The Midway UST REC was the only area to have active utilities (storm/sanitary sewers and parking lot light electrical lines). A Ground Penetrating Radar (GPR) survey was completed at the four RECs at the site to further identify underground structures, including: utilities, voids, footings and floors, underground storage tanks, etc. A scan of all areas identified anticipated and abandoned utilities, but underground storage tanks were not identified. Minor anomalies were identified, but were considered debris, due to the small profiles displayed on the GPR.

On June 4 and June 5, 2012, MTC collected 34 soil samples from 32 soil boring locations at the Site to further delineate impacts to soil in the vicinity of the four RECs at locations indicated on the attached Boring Location Plan, Figure No. 2. Based on lithology identified in the Phase II investigation, soil samples were collected from each of the boring locations to total depth of 4 feet below ground surface (bgs). Soil samples were screened in the field for the presence of volatile organic compounds (VOCs) using a hand held photo-ionization detector (PID). Subsurface materials generally consisted of brown or black slag sand with some asphaltic slag, gravel, coal fragments, etc. (anthropogenic materials). Native clay below the fill material is stiff, lean, semi-moist to dry, and relatively impermeable, leading to refusal in some borings. The clay layer was previously identified to be continuous to end of borings (10 to 16 ft bgs). PID readings were identified within Boring GP-17 from a depth of 1 to 4 ft. This paragraph has presented generalized subsurface conditions, Boring Logs included in the Appendix should be reviewed for additional detail.

Groundwater was not identified in any boring locations, except for Boring GP-6 located in the center of the former Midway UST Area tank basin. Perched water was identified from 1 ft to 3 ft bgs in sands that were underlain by an impermeable layer. Dry fill sand was identified below the impermeable layer to the termination depth of 8 ft bgs. No PID readings or sheen on the water were identified.

A minimum of one soil sample was collected from each boring and submitted to the laboratory for analyses. Two samples were obtained from Borings GP-17 and GP-32 because of odors and staining in the fill material. The laboratory analyzed all soil samples for Michigan Ten Metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc), VOCs, and polynuclear aromatic (PNA) analyses.

Results

The Site is a commercial property located in a mainly commercial area with residential properties adjacent to the Site. Therefore, Phase III ESA soil sample results were compared to all MDEQ Part 201 Residential and Non-Residential Generic Cleanup Criteria and Screening Levels and Part 213 Tier 1 Risk-Based Screening Levels (RBSLs), dated March 28, 2011, as listed below:

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- State Default Background Levels
- Groundwater / Surface Water Interface Protection (GSI) Criteria
- Drinking Water (DW)
- Groundwater Contact Protection (GCP)
- Direct Contact (DC)
- Soil Volatilization to Indoor Air (SVIA)
- Infinite Source Volatile Source Inhalation Criteria (VSIC)
- Particulate Soil Inhalation Criteria

The drinking water and GSI exposure pathways are not applicable to this site due to the absence of groundwater and nearby surface water, and the presence of a thick, impermeable clay layer immediately below the anthropogenic fill materials.

Our review of the Phase III analytical data indicates:

- There are no Soil exceedances for GCP, DC, SVIA, Infinite Source VSIC, and PSIC in the soils below the anthropogenic fill materials

- There are State Default Background Level exceedances of
  - Selenium, Zinc (Midway UST area)
  - Barium, Chromium, Zinc (Dodge Pavilion Tank area)
  - Barium, Lead (Bandshell gas and diesel ASTs area)
  - Barium (former Maintenance Building area)

- There are DW or GSI exceedances in the Midway UST Area of
  - Arsenic (GP-1 and GP-6)
  - Selenium (GP-4 and GP-5)

This information is provided in the attached Metals Exceeding State Default Background Levels (Figure No. 3), Metals Exceeding DW and/or GSI Criteria (Figure No. 4), and Laboratory Analytical Data (Table No. 1).

However, even though the DW and GSI criteria are exceeded in some samples, these criteria are not applicable. As a result, only SDBL exceedances are present for soils below the anthropogenic fill material, as seen in the Phase III sampling results.

Conclusions

All impacts identified in the Phase II and Phase III investigations were located in the uppermost three feet of anthropogenic fill material. Due to the lack of groundwater at the Site, there does not appear to be complete migration pathways for GSI or DW; however, there are DC exceedances in the anthropogenic fill materials, but not in the sand and clay below them. Restricted exposure to fill materials due to DC exceedances should be considered. Utility corridors were sampled and groundwater was not identified in backfill or in close proximity of the buried utilities near the RECs. No human health or environmental risks remain at the four RECs below anthropogenic fill materials.

Based on the information from the investigation, it appears that the Part 213 release #C-0187-03 can be closed. A “Closure Report” has been prepared and will be submitted to the MDEQ under separate cover. Additionally, none of the releases identified as RECs from the Phase I/II were verified and the environmental issues at the site appear to be from historical fill. Potential/future purchasers of the property should ensure that they conduct due diligence and a BEA.

Please contact me at (616) 292-4258 or bpalys@mateco.com should you have any questions or require further assistance.

Sincerely,

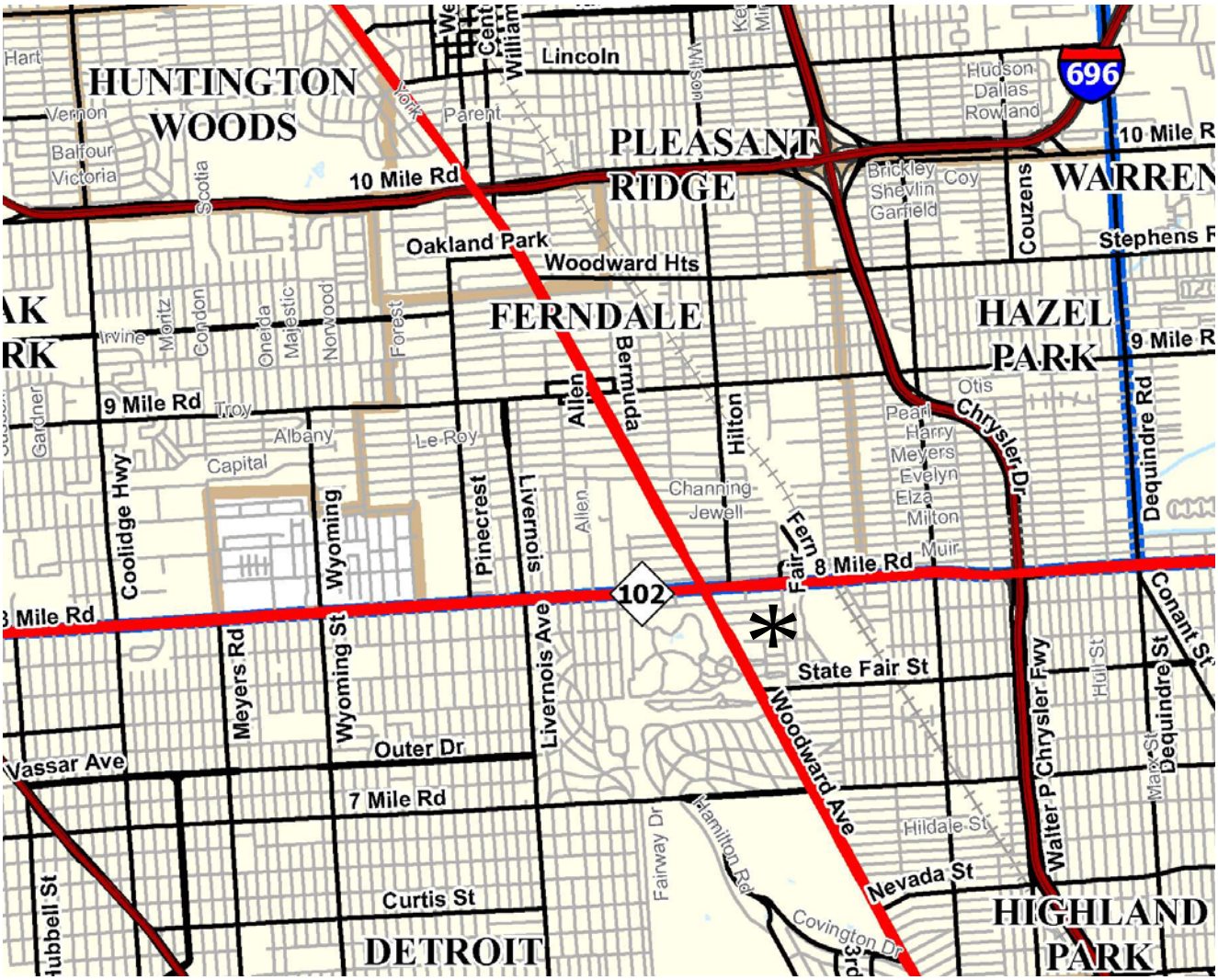
MATERIALS TESTING CONSULTANTS, INC.

Brian Palys, C.P.G.
Project Manager

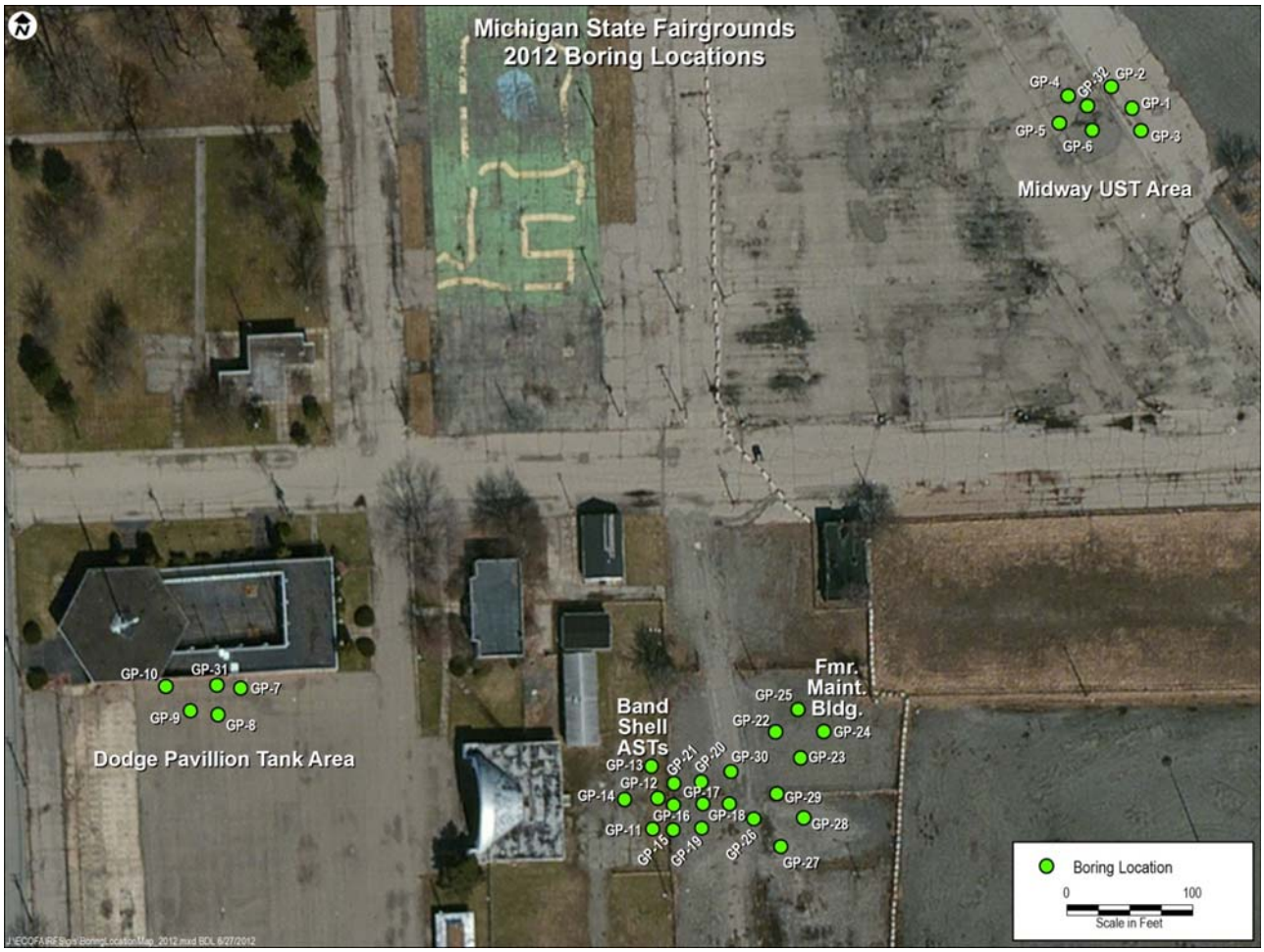
Melzar Coulter
Senior Project Engineer

Attachments

- Figures
  - Vicinity Map
  - 2012 Boring Locations
  - Metals Exceeding State Default Background Levels
  - Metals Exceeding DW and/or GSI Criteria
- Tables
  - Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria
  - Summary of Soil Boring Descriptions and Cleanup Criteria
- Boring Logs
- Laboratory Analytical Data
- Limitations

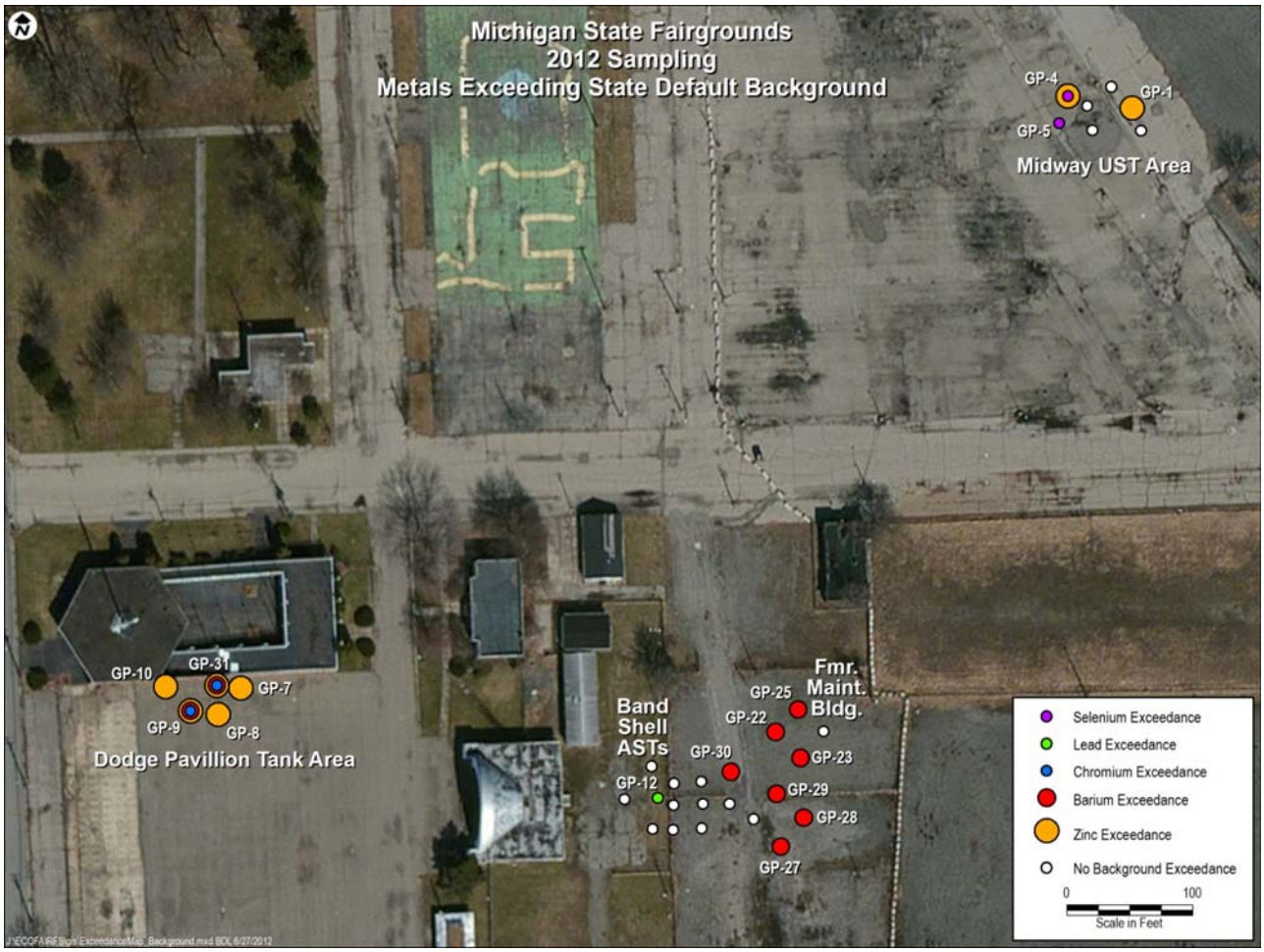


TITLE: VICINTY MAP			PROJECT: FORMER MI STATE FAIRGROUNDS
SCALE: NTS	DATE: 7/12/12	PROJECT NO.:121055	**Materials Testing Consultants**, INC.
FIG. NO.: 1	DR. BY: RV	REV. BY: BP	693 PLYMOUTH N.E., GRAND RAPIDS, MICH. 49505 • PHONE 616-456-5469



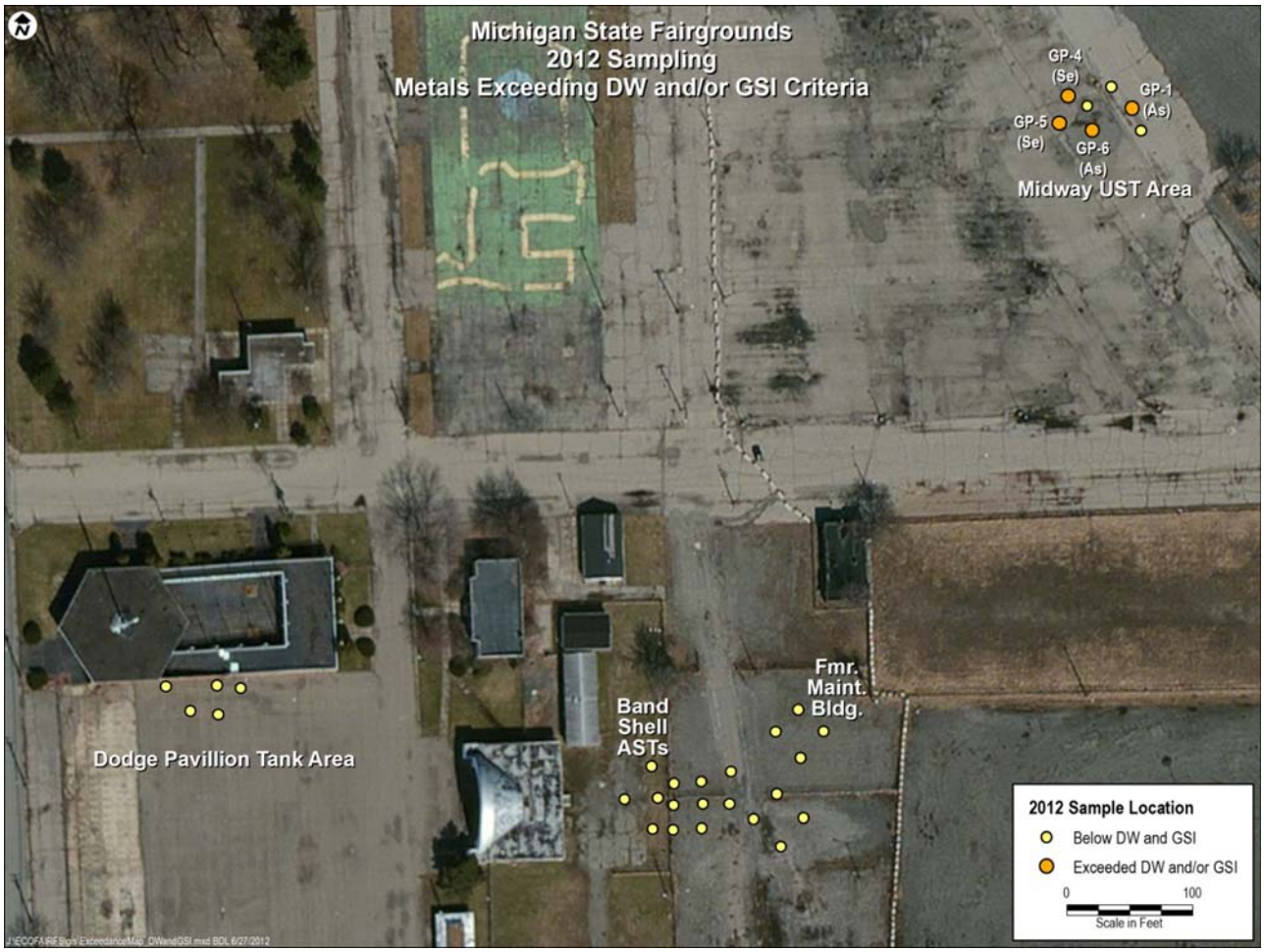
*Drawing Created by LimnoTech

TITLE: 2012 BORING LOCATION PLAN			PROJECT: FORMER MI STATE FAIRGROUNDS
SCALE: NTS	DATE: 7/12/12	PROJECT NO.:121055	**Materials Testing Consultants**, INC.
FIG. NO.: 2	DR. BY: LT	REV. BY: BP	693 PLYMOUTH N.E., GRAND RAPIDS, MICH. 49505 • PHONE 616-456-5469



*Drawing Created by LimnoTech

TITLE: METALS EXCEEDING STATE BACKGROUND			PROJECT: FORMER MI STATE FAIRGROUNDS
SCALE: NTS	DATE: 7/12/12	PROJECT NO.:121055	**Materials Testing Consultants**, INC.
FIG. NO.: 3	DR. BY: LT	REV. BY: BP	693 PLYMOUTH N.E., GRAND RAPIDS, MICH. 49505 • PHONE 616-456-5469



*Drawing Created by LimnoTech

TITLE: METALS EXCEEDING DW AND/OR GSI			PROJECT: FORMER MI STATE FAIRGROUNDS
SCALE: NTS	DATE: 7/12/12	PROJECT NO.:121055	**Materials Testing Consultants**, INC.
FIG. NO.: 4	DR. BY: LT	REV. BY: BP	693 PLYMOUTH N.E., GRAND RAPIDS, MICH. 49505 • PHONE 616-456-5469

Table 1
Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria
(All results reported in µg/kg)

Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Detected Compound	GP-1	GP-2	GP-3	GP-4	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**0.5-1.5'**	**0.5-1.5'**	**0.5-1.5'**	**0.5-1.5'**					
Metals									
Arsenic	5,000	1,700	<1,000	1,600	5,800	4,600	2.0+6	NLV	37,000
Barium	65,000	11,000	7,800	57,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	500	< 200	< 200	670	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	18,000	5,600	5,000	13,000	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	14,000	9,200	6,500	16,000	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	8,300	6,000	3,600	20,000	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	220	<200	< 200	560	410	400	7.8E+7	NLV	9.6E+6
Zinc	51,000	26,000	20,000	49,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	< 330	< 330	<330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	<330	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

(continued)

Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Detected Compound	GP-5	GP-6	GP-7	GP-8	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**0.5-1.5'**	**2.5-3.5'**	**1.5-2.5'**	**1.5-2.5'**					
Metals									
Arsenic	1,400	4,900	1,500	1,400	5,800	4,600	2.0+6	NLV	37,000
Barium	53,000	14,000	60,000	70,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	450	220	370	400	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	13,000	6,200	15,000	16,000	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	16,000	6,600	6,600	11,000	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	12,000	6,700	7,200	8,800	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	470	< 200	310	320	410	400	7.8E+7	NLV	9.6E+6
Zinc	47,000	35,000	54,000	50,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	400	< 330	<330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	330	< 330	<330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

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Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
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Detected Compound	GP-9	GP-10	GP-11	GP-12	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**1.5-2.5'**	**1.5-2.5'**	**1.5-2.5'**	**1.5-2.5'**					
Metals									
Arsenic	4,200	2,100	2,000	1,700	5,800	4,600	2.0+6	NLV	37,000
Barium	140,000	73,000	43,000	27,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	840	340	320	220	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	23,000	17,000	8,800	5,800	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	18,000	13,000	6,700	4,900	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	11,000	10,000	11,000	26,000	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	290	320	210	380	410	400	7.8E+7	NLV	9.6E+6
Zinc	63,000	48,000	27,000	29,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	<330	< 330	< 330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	<330	< 330	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

(continued)

Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
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Detected Compound	GP-12 DUP	GP-13	GP-14	GP-15	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**1.5-2.5'**	**1.5-2.5'**	**1.5-2.5'**	**1-2'**					
Metals									
Arsenic	1,300	2,500	3,200	2,100	5,800	4,600	2.0+6	NLV	37,000
Barium	20,000	54,000	43,000	7,600	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	< 200	420	360	260	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	6,200	8,800	12,000	4,700	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	3,200	7,200	5,600	6,300	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	13,000	20,000	6,300	3,600	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	330	270	< 200	< 200	410	400	7.8E+7	NLV	9.6E+6
Zinc	20,000	46,000	26,000	20,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	< 330	< 330	< 330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	< 330	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

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Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Detected Compound	GP-16	GP-17A	GP-17B	GP-18	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**1-2'**	**1-2'**	**4.5-5.5'**	**0.5-1'**					
Metals									
Arsenic	2,800	2,300	4,100	< 1,000	5,800	4,600	2.0+6	NLV	37,000
Barium	7,800	15,000	40,000	22,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	< 200	< 200	420	210	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	6,700	6,900	13,000	5,400	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	7,100	2,400	19,000	8,000	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	4,300	3,200	6,700	11,000	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	< 200	< 200	< 200	< 200	410	400	7.8E+7	NLV	9.6E+6
Zinc	20,000	12,000	38,000	29,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	< 330	< 330	< 330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	< 330	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

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Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
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Detected Compound	GP-19	GP-20	GP-21	GP-21 DUP	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**.5-1'**	**.5-1'**	**1-2'**	**1-2'**					
Metals									
Arsenic	< 1,000	1,300	< 1,000	1,600	5,800	4,600	2.0+6	NLV	37,000
Barium	14,000	33,000	9,400	8,600	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	< 200	< 200	< 200	< 200	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	3,900	3,800	5,200	5,200	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	1,300	5,300	7,300	8,000	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	< 1,000	2,300	2,900	4,400	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	< 200	< 200	< 200	< 200	410	400	7.8E+7	NLV	9.6E+6
Zinc	4,600	14,000	20,000	21,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	<330	<330	< 330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	< 330	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

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Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Detected Compound	GP-22	GP-23	GP-24	GP-25	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**0.5-1'**	**0.5-1'**	**0.5-1'**	**0.5-1'**					
Metals									
Arsenic	< 1,000	3,100	< 1,000	< 1,000	5,800	4,600	2.0+6	NLV	37,000
Barium	140,000	84,000	20,000	90,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	< 200	< 200	210	< 200	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	4,300	17,000	8,600	3,300	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	5,700	1,900	10,000	1,700	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	2,100	2,900	5,500	1,800	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	< 200	200	< 200	< 200	410	400	7.8E+7	NLV	9.6E+6
Zinc	11,000	4,100	28,000	5,600	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	< 330	410	< 330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	350	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

(continued)

Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Detected Compound	GP-26	GP-27	GP-28	GP-29	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**1-2'**	**1-2'**	**1-2'**	**1-2'**					
Metals									
Arsenic	1,000	2,400	< 1,000	1,700	5,800	4,600	2.0+6	NLV	37,000
Barium	11,000	110,000	160,000	89,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	< 200	< 200	< 200	< 200	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	6,400	5,500	3,700	4,400	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	7,000	6,200	1,200	7,500	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	3,800	3,800	1,300	3,900	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	< 200	< 200	< 200	< 200	410	400	7.8E+7	NLV	9.6E+6
Zinc	22,000	17,000	3,700	23,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	< 330	< 330	< 330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	< 330	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

(continued)

Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Detected Compound	GP-30	GP-30 DUP	GP-31	GP-32A	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**1-2'**	**1-2'**	**2-3'**	**2-3'**					
Metals									
Arsenic	3,200	1,500	4,400	1,600	5,800	4,600	2.0+6	NLV	37,000
Barium	11,000	110,000	100,000	53,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	220	< 200	510	430	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	5,700	4,900	20,000	15,000	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	12,000	1,500	10,000	14,000	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	4,200	2,300	10,000	9,400	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	< 200	< 200	230	380	410	400	7.8E+7	NLV	9.6E+6
Zinc	29,000	5,100	63,000	42,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs									
Fluoranthene	< 330	< 330	< 330	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	< 330	< 330	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

(continued)

Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Detected Compound	GP-32B	Statewide Default Background Levels	Groundwater / Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria &RBSLs	Direct Contact Criteria & RBSLs
Sample Depth	**5-6'**					
Metals						
Arsenic	2,000	5,800	4,600	2.0+6	NLV	37,000
Barium	29,000	75,000	(G)	1.0E+9 (D)	NLV	1.3E+8
Cadmium	350	1,200	(G, X)	2.3E+8	NLV	2.1E+6
Chromium, Total	11,000	30,000	(G, X)	1.0E+9	NLV	1.0E+9
Copper	12,000	32,000	(G)	1.0E+9	NLV	7.3E+7
Lead Total	6,100	21,000	(G, X)	ID	NLV	9.0E+5 (DD)
Selenium	< 200	410	400	7.8E+7	NLV	9.6E+6
Zinc	36,000	47,000	(G)	1.0E+9	NLV	6.3E+8
PNAs						
Fluoranthene	< 330	NA	5,500	7.3E+5	1.0E+9 (D)	1.3E+8
Pyrene	< 330	NA	ID	4.8E+5	1.0E+9	8.4E+7

Summary of Detected Soil Analytes with Comparison to MDEQ Non-Residential Generic Cleanup Criteria

(All results reported in µg/kg)

(continued)

Soil Delineation and Characterization
State Fairgrounds
Detroit, Michigan
MTC Project No. 121055

Footnotes for Part 201 Criteria

Boxed values exceed one or more criteria

NLV Hazardous substance is not likely to volatize under most conditions

NA Criterion or value is not available or, in the case of background and CAS numbers, not applicable

RBSL Risk Based Screening Level

ID Insufficient data to develop criteria

(D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).

(G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg $CaCO_3$/L, use 400 mg $CaCO_3$/L for the FCV calculation. The FVC formula provides values in units of ug/L or ppb. The generic criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of the 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described by the MDEQ.

(X) The GSI criterion shown in the generic drinking water protection criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV), as described by the MDEQ.

(DD) Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Non-residential direct contact criteria are protective for a pregnant adult receptor.

Summary of Soil Boring Descriptions and Cleanup Criteria

Michigan State Fairgrounds

Phase III Site Assessment (June 2012)

						FILL					Compounds Exceeding Residential and/or Non-Residential Criteria		
REC	Boring Location	Sample Interval	HMA (ft)	Concrete (ft)	Rubble, Limestone, Slag fill (ft)	Clayey SAND (ft)	Black SAND, topsoil (ft)	Brown Poorly Graded SAND (ft)	Stiff Native CLAY (ft)	Comments	SDBL	DW	GSI
Midway UST Area	GP-1	0.5 - 1.5	0 - 0.2			0.2 - 1.0			1.0 - 4.0		Zn	As	As
	GP-2	0.5 - 1.5	0 - 0.5					0.5 - 2.0	2.0 - 4.0				
	GP-3	0.5 - 1.5	0 - 0.5						0.5 - 4.0				
	GP-4	0.5 - 1.5	0 - 0.5				0.5 - 1.0		1.0 - 4.0		Se, Zn		Se
	GP-5	0.5 - 1.5	0 - 0.5						0.5 - 4.0		Se		Se
	GP-6	2.5 - 3.5	0 - 0.25					0.25 - 8.0		wet @6.0'		As	As
Dodge Pavilion Tanks	GP-7	1.5 - 2.5	0 - 0.2	0.2 - 0.5		1.0 - 3.0		0.5 - 1.0	3.0 - 4.0		Zn		
	GP-8	1.5 - 2.5	0 - 0.2	0.2 - 0.45				0.45 - 1.0	1.0 - 4.0		Zn		
	GP-9	1.5 - 2.5	0 - 0.2	0.2 - 0.45	0.45 - 1.0				1.0 - 4.0		Ba, Cr, Zn		
	GP-10	1.5 - 2.5	0 - 0.2	0.2 - 0.45	0.45 - 1.0				1.0 - 4.0		Zn		
Bandshell ASTs (Gas and Diesel)	GP-11	1.5 - 2.5					0 - 1.0	1.0 - 2.5	2.5 - 4.0				
	GP-12	1.5 - 2.5					0 - 1.0	1.0 - 3.0	3.0 - 4.0		Pb		
	GP-13	1.5 - 2.5					0 - 1.0	1.0 - 2.5	2.5 - 4.0				
	GP-14	1.5 - 2.5					0 - 1.0		1.0 - 4.0				
	GP-15	1.0 - 2.0					0 - 0.5	0.5 - 3.0	3.0 - 4.0				
	GP-16	1.0 - 2.0					0 - 0.5	0.5 - 3.0	3.0 - 4.0				
	GP-17a	1.0 - 2.0					1.0 - 3.0	0 - 1.0		PID = 157 ppm @1 - 1.5'			
	GP-17b	4.5 - 5.5							3.0- 8.0				
	GP-18	0.5 - 1.0						0 - 1.0	1.0 - 4.0	some coal frags 0 - 0.5'			
	GP-19	0.5 - 1.0						0 - 1.0	1.0 - 4.0				
	GP-20	0.5 - 1.0						0 - 1.0	1.0 - 4.0				
	GP-21	1.0 - 2.0					0 - 0.5	0.5 - 5.0	5.0 - 8.0				
Former Maintenance Building	GP-22	0.5 - 1.0						0 - 1.0	1.0 - 4.0	some topsoil, concrete, asphalt slag 0 - 0.5'	Ba		
	GP-23	0.5 - 1.0						0 - 1.0	1.0 - 4.0	some topsoil, concrete, asphalt slag 0 - 0.5'	Ba		
	GP-24	0.5 - 1.0						0 - 1.0	1.0 - 4.0	some topsoil, concrete, asphalt slag 0 - 0.5'			
	GP-25	0.5 - 1.0						0 - 1.0	1.0 - 4.0	some topsoil, concrete, asphalt slag 0 - 0.5'	Ba		
	GP-26	1.0 - 2.0	0 - 0.2					0.2 - 3.0	3.0 - 4.0				
	GP-27	1.0 - 2.0	0 - 0.2					0.2 - 2.0	2.0 - 4.0	some rubble 0.2 - 2'	Ba		
	GP-28	1.0 - 2.0	0 - 0.2					0.2 - 3.0	3.0 - 4.0	some topsoil, concrete, asphalt slag 0.2 - 1'	Ba		
	GP-29	1.0 - 2.0	0 - 0.2					0.2 - 3.0	3.0 - 4.0	some rubble and coal frags 0.2 - 1'	Ba		
Bandshell ASTs	GP-30 dup	1.0 - 2.0	0 - 0.2					0.2 - 3.0	3.0 - 4.0	some rubble and coal frags 0.2 - 1'	Ba		
Dodge Pavilion Tanks Co-located with B-18	GP-31	2.0 - 3.0	0 - 0.2	0.2 - 0.45				0.45 - 2.0	2.0 - 4.0	some rubble and coal frags 0.45 - 2'	Ba, Cr, Zn		
Midway UST Area	GP-32a	2.0 - 3.0	0 - 0.2					0.2 - 1.5	1.5 - 8.0	some rubble and slag 0.2 - 1.5'			
	GP-32b	5.0 - 6.0							1.5 - 8.0				

DW - Drinking Water criteria
GSI - Groundwater Surface Water Interface criteria
HMA - Hot Mix Asphalt
REC = Residential Environmental Concern
SDBL - State Default Background Level criteria
2012 sample interval for lab analysis

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-1 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA	Fill 0 to 1.0'	
	1	GP-1			SC	Black poorly graded clayey SAND; mostly coarse to fine, sand, some clayey fines, moist, Fill	1.0'	0.0
	1.5							
	2				CL	Brown and gray mottled lean CLAY; mostly clayey fines, trace sand, moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5					End of Boring at 4.0'		
	5							
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
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	9.5							
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	16.5							
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	17.5							
	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-2 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled: 4.0 ft.				

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 4" Urban Fill		
	1	GP-2			SP	Brown poorly graded SAND; mostly medium to fine sand, moist		0.0
	1.5							
	2						2.0'	0.0
	2.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, little sand, moist		
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
	9.5							
	10							
	10.5							
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	14.5							
	15							
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	16							
	16.5							
	17							
	17.5							
	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-3 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled:	4.0	ft.		

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 4" Urban Fill		
	1	GP-3			CL	Brown and gray mottled lean CLAY; mostly clayey fines, little sand, moist		0.0
	1.5							
	2							0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
	9.5							
	10							
	10.5							
	11							
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	15.5							
	16							
	16.5							
	17							
	17.5							
	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-4 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA		
	1	GP-4				Urban fill	1.0'	0.0
	1.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines,		
	2					little sand, moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
	9.5							
	10							
	10.5							
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	17.5							
	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-5 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 4" Urban Fill		
	1	GP-5			CL	Gray lean CLAY; mostly clayey fines, trace sand, moist		0.0
	1.5							
	2							0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
	9.5							
	10							
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	15.5							
	16							
	16.5							
	17							
	17.5							
	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-6 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	1.0
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled:	4.0	ft.		

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					3" HMA	Fill 0 to 8.0'	
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, some crushed limestone, moist, Fill		0.0
	1.5							
	2					Perched water from 1.0'		0.0
	2.5							
	3	GP-6						0.0
	3.5							
	4							0.0
	4.5				CL	Brown lean CLAY; mostly clayey fines, moist, Fill		
	5							0.0
	5.5							
	6							0.0
	6.5				SP	Brown poorly graded SAND; mostly fine sand, dry		
	7							0.0
	7.5							
	8							0.0
	8.5					End of Boring at 8.0'		
	9							
	9.5							
	10							
	10.5							
	11							
	11.5							
	12							
	12.5							
	13							
	13.5							
	14							
	14.5							
	15							
	15.5							
	16							
	16.5							
	17							
	17.5							
	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-7 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 4" Concrete	Fill o to 1.0'	
	1				SP	Black poorly graded SAND; mostly medium to fine sand,	1.0'	0.0
	1.5					some rubble, moist, Fill		
	2	GP-7						0.0
	2.5				SC	Gray poorly graded clayey SAND; mostly medium to fine		
	3					sand, some clayey fines, moist	3.0'	0.0
	3.5					Brown and gray mottled lean CLAY; mostly clayey fines,		
	4				CL	moist		0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
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	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-8 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 3" Concrete	Fill 0 to 1.0'	
	1				SP	Black poorly graded SAND; mostly medium to fine sand,	1.0'	0.0
	1.5					moist, with rubble and slag, Fill		
	2	GP-8			CL	Brown and gray mottled lean CLAY; mostly clayey fines,		0.0
	2.5					little sand, moist		
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-9 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled:	4.0	ft.		

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 3" Concrete	Fill 0 to 1.0'	
	1					Limestone, slag, and coal fragments, Fill	1.0'	0.0
	1.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines,		
	2	GP-9				moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-10 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/04/12 Date End: 06/04/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 3" Concrete		
	1					Rubble, limestone, slag, and coal fragments, Fill	1.0'	0.0
	1.5				CL	Brown and gray lean CLAY; mostly clayey fines, little sand,		
	2	GP-10				moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-11 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100%

PID = Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					12" Black sandy topsoil		
	1				SP	Brown poorly graded SAND; mostly medium to fine sand, moist		0.0
	1.5							
	2	GP-11						0.0
	2.5						2.5'	
	3				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-12 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled:	4.0	ft.		

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% ÷ Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					12" Black sandy topsoil		
	1				SP	Brown poorly graded SAND; mostly medium to fine sand, moist		0.0
	1.5							
	2	GP-12						0.0
	2.5							
	3						3.0'	0.0
	3.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-13 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled: 4.0 ft.				

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					12" Black sandy topsoil		
	1				SP	Brown poorly graded SAND; mostly medium to fine sand, moist		0.0
	1.5							
	2	GP-14						0.0
	2.5						2.5'	
	3				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
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	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-14 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					12" Black sandy topsoil		
	1				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		0.0
	1.5							
	2	GP-14						0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5					End of Boring at 4.0'		
	5							
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-15 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled:	4.0	ft.		

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					6" Black sandy topsoil		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		0.0
	1.5	GP-15						
	2							0.0
	2.5							
	3						3.0'	0.0
	3.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
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	8.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-16 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled:	4.0	ft.		

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					6" Black sandy topsoil		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		0.0
	1.5	GP-16						
	2							0.0
	2.5							
	3						3.0'	0.0
	3.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-17 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 8.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5				SP	Brown poorly graded SAND; mostly coarse to fine sand, some concrete and brick rubble, Fill	Fill 0 to 1.0'	
	1						1.0'	45.6
	1.5	GP-17A			SP	Black poorly graded SAND; mostly medium to fine sand, moist	Petroleum odor from 1' to 4'	156.7
	2							
	2.5							
	3						3.0'	121.3
	3.5				CL	Brown and gray lean CLAY; mostly clayey fines, moist		
	4							32.8
	4.5							
	5	GP-17B						0.0
	5.5							
	6							0.0
	6.5							
	7							0.0
	7.5							
	8							0.0
	8.5					End of Boring at 8.0'		
	9							
	9.5							
	10							
	10.5							
	11							
	11.5							
	12							
	12.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-18 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		
	1	GP-18					1.0'	0.0
	1.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		
	2							0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
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	7.5							
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	19							
	19.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-19 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5				SP	Brown poorly graded SAND; mostly coarse to fine		
	1	GP-19				sand, moist	1.0'	0.0
	1.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines,		
	2					moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5					End of Boring at 4.0'		
	5							
	5.5							
	6							
	6.5							
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	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-20 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% ▫ Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist	1.0'	0.0
	1	GP-20						
	1.5				CL	Brown and gray lean CLAY; mostly clayey fines, moist		
	2							0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-21 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 8.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					6" Black sandy topsoil		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		0.0
	1.5	GP-21						
	2							0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5						5.0'	0.0
	5.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		
	6							0.0
	6.5							
	7							0.0
	7.5							
	8							0.0
	8.5					End of Boring at 8.0'		
	9							
	9.5							
	10							
	10.5							
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	11.5							
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	12.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-22 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% ÷ Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5				SP	6" topsoil, concrete, asphalt, and slag, Fill		
	1	GP-22				Brown poorly graded SAND; mostly coarse to fine sand, moist	1.0'	0.0
	1.5							
	2				CL	Gray lean CLAY; mostly clayey fines, moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-23 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.
Depth Drilled: 4.0 ft.				

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					6" topsoil, concrete, asphalt, and slag, Fill		
	1	GP-23			SP	Brown poorly graded SAND; mostly coarse to fine sand, moist	1.0'	0.0
	1.5							
	2				CL	Gray lean CLAY; mostly clayey fines, moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-24 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% ⁝ Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5				SP	6" topsoil, concrete, asphalt, and slag, Fill		
	1	GP-24				Brown poorly graded SAND; mostly coarse to fine sand, moist	1.0'	0.0
	1.5							
	2				CL	Gray lean CLAY; mostly clayey fines, moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-25 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5				SP	6" topsoil, concrete, asphalt, and slag, Fill		
	1	GP-25				Brown poorly graded SAND; mostly coarse to fine sand, moist	1.0'	0.0
	1.5							
	2				CL	Gray lean CLAY; mostly clayey fines, moist		0.0
	2.5							
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-26 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, little gravel, moist		0.0
	1.5	GP-26						
	2							0.0
	2.5							
	3							0.0
	3.5				CL	Gray lean CLAY; mostly clayey fines, moist	3.0'	
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
	9.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-27 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% ▫ Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 6" Rubble		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		0.0
	1.5	GP-27						
	2							0.0
	2.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist	2.0'	
	3							0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-28 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 6" Rubble and Coal Fragments		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		0.0
	1.5	GP-28						
	2							0.0
	2.5							
	3							0.0
	3.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist	3.0'	
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-29 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 6" Rubble and Coal Fragments		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		0.0
	1.5	GP-29						
	2							0.0
	2.5							
	3							0.0
	3.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist	3.0'	
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
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** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-30 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% ÷ Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 6" Rubble and Coal Fragments		
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist		0.0
	1.5	GP-30						
	2							0.0
	2.5							
	3							0.0
	3.5				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist	3.0'	
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
	9.5							
	10							
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	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-31 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 4.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% ⁝ Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA, 3" Concrete	Fill 0 to 1.0'	
	1					Urban Fill	1.0'	0.0
	1.5				SP	Brown poorly graded SAND; mostly coarse to fine sand,		
	2					moist	2.0'	0.0
	2.5	GP-31			CL	Brown and gray mottled lean CLAY; mostly clayey fines,		
	3					moist		0.0
	3.5							
	4							0.0
	4.5							
	5					End of Boring at 4.0'		
	5.5							
	6							
	6.5							
	7							
	7.5							
	8							
	8.5							
	9							
	9.5							
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	16.5							
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	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

MATERIALS TESTING CONSULTANTS, INC.	LOG OF BORING	Project No.: 121055 Boring No.: GP-32 Sheet: 1 of 1

Project: Michigan State Fairgrounds Phase III ESA
Client: MDMB Facilities Administration
Location: Detroit, MI
Drill Type: Geoprobe
Crew Chief: GS
Field Eng.: BP/RV
Rev. By: RV
Elevation: ft.
Datum:
Notes:

Date Begin: 06/05/12 Date End: 06/05/12

	Type	Dia.	Groundwater, ft.	
Casing	Probe	2"	During	None
Sampler			End	NA
Core			Seepage	
Tube			Date	Depth, ft.

Depth Drilled: 8.0 ft.

Plugging Rcrd: Backfilled with excavated soil cuttings and bentonite.

Minor Component: Trace < 5%, Few 5-10%, Little 15-25%, Some 30-45%, Mostly 50-100% : Photoionization Detector

Elev. FT.	Depth FT.	Sample Number	Recov. FT.	Penetration (Blows per 6") ASTM D 1586	*Unified Soil Class.	*DESCRIPTION	REMARKS	PID
	0.5					2" HMA	Fill 0 to 1.5'	
	1				SP	Brown poorly graded SAND; mostly coarse to fine sand, moist, with rubble and slag, Fill		0.0
	1.5						1.5'	
	2				CL	Brown and gray mottled lean CLAY; mostly clayey fines, moist		0.0
	2.5	GP-32A						
	3							0.0
	3.5							
	4							0.0
	4.5							
	5							0.0
	5.5	GP-32B						
	6							0.0
	6.5							
	7							0.0
	7.5							
	8							0.0
	8.5					End of Boring at 8.0'		
	9							
	9.5							
	10							
	10.5							
	11							
	11.5							
	12							
	12.5							
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	16.5							
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	17.5							
	18							
	18.5							
	19							
	19.5							
	20							

** Visual estimate following ASTM D 2488 unless laboratory testing has been performed*

Bio-Chem LABORATORIES, INC.

1049 - 28th Street SE
Grand Rapids, MI 49508
Ph: 616/248-4900
Toll Free: 800/362-LABS
Fax: 616/248-4904

June 14, 2012

Robert VanDyke
Materials Testing Consultants
693 Plymouth Ave, NE
Grand Rapids, MI 49505

TEL: (616) 456-5469
FAX (616) 456-5784

RE: State Fair

Dear Robert VanDyke: Order No.: 1206034

BIO-CHEM Laboratories, Inc. received 39 samples on 6/6/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Please note that unless otherwise instructed, residual samples will be held for sixty (60) days from the original report date. At that time, all non-hazardous samples will be disposed of in accordance with federal, state and local regulations and ordinances, and hazardous samples shall be returned to you. Please contact the laboratory within thirty (30) days if other arrangements for sample retention need to be made.

Sincerely,

Cindy Euwema

Cindy Euwema
Office Manager

Working with you to ensure a better tomorrow.

1206034

Bio-Chem LABORATORIES, INC.

Chain of Custody

1049 28th Street SE • Grand Rapids, MI 49508
Ph: (616) 248-4900 • Toll Free: 800-362-LABS
Fax: (616) 248-4904

1/4

Project Number 121055

Firm Name MTC

Turn around time 5 Days

Date 6/6/12

Date Due 6/15/12

Firm Address 693 Plymouth

Project Name State Fair

City, State, Zip Grand Rapids, MI 49505

State Samples Taken From MI

Phone 456-5469

Fax 456-5784

Contact Person Robert VanDyke

Item No	Lab I.D.	Client Sample Number	Date Taken	Time Taken	Sample Description (sample type: water, soil, other)	Number of Containers	Analysis Desired (One per line): VOC-Std	PNA	MI 10 Metals	Remarks
1	01	GP-1	6/4/12		Soil	2	X	X	X	10ml methanol
2	02	GP-2								Also Email Results
3	03	GP-3								To bpalys@matoco.com
4	04	GP-4								Please Provide Excel
5	05	GP-5								Spreadsheet of Results
6	06	GP-6								
7	07	GP-7								
8	08	GP-8								
9	09	GP-9								
10	10	GP-10								

Released by	Received by	Date	Time
Robert N.	MTC Cold	6/5/12	1800
MTC Cold	Robert	6/6/12	1130
Robert N.	Cindy Emmema	6/6/12	11:40

Laboratory use only

☐ Blue Ice ____°

☒ Regular Ice

☐ No Coolant

Drop Off

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1206034

2/4

Bio Chem LABORATORIES, INC.

1049 28th Street SE • Grand Rapids, MI 49508
Ph: (616) 248-4900 • Toll Free: 800-362-LABS
Fax: (616) 248-4904

Chain of Custody

Project Number: 121055

Firm Name: MTC
Turn around time: 5 Days
Date: 6/6/12
Date Due: 6/13/12

Firm Address: 643 Plymouth
Project Name: State Fair

City, State, Zip: Grand Rapids, MI 49505
State Samples Taken From: MI

Phone: 456-5469
Fax: 456-5784
Contact Person: Robert VanDyke

Item No	Lab I.D.	Client Sample Number	Date Taken	Time Taken	Sample Description (sample type: water, soil, other)	Number of Containers	Analysis Desired (One per line): VOC - Std	PNA	MI 10 Metals	Remarks
1	11	GP-11	6/5/12		SOIL	2	X	X	X	
2	12	GP-12								
3	13	GP-12 DUP								
4	14	GP-13								
5	15	GP-14								
6	16	GP-15								
7	17	GP-16								
8	18	GP-17A								
9	19	GP-17B								Math reads: 17
10	20	GP-18								

Released by	Received by	Date	Time
Robert W. VanDyke	MTC Cold	6/5/12	1800
MTC Cold	Robert W. VanDyke	6/6/12	1130
Robert W. VanDyke	[redacted] Cindy Ewwema	6/6/12	11:40

Laboratory use only

- ☐ Blue Ice ____°
- ☐ Regular Ice
- ☐ No Coolant

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1206034

Bio-Chem LABORATORIES, INC.
1049 28th Street SE • Grand Rapids, MI 49508
Ph: (616) 248-4900 • Toll Free: 800-362-LABS
Fax: (616) 248-4904

Chain of Custody

Project Number 121055

Firm Name MTC | Turn around time 5 Days | Date 6/6/12 | Date Due 6/13/12

Firm Address 693 Plymouth | Project Name State Fair

City, State, Zip Grand Rapids, MI 49505 | State Samples Taken From MI

Phone 456-5469 | Fax 456-5784 | Contact Person Robert VanDyke

Item No	Lab I.D.	Client Sample Number	Date Taken	Time Taken	Sample Description (sample type: water, soil, other)	Number of Containers	Analysis Desired (One per line): VOC - Std	PNA	MI 10 Metals	Remarks
1	21	GP-19	6/5/12		SOIL	2	X	X	X	
2	22	GP-20								
3	23	GP-21								
4	24	GP-21 DUP								
5	25	GP-22								
6	26	GP-23								
7	27	GP-24								
8	28	GP-25								
9	29	GP-26								
10	30	GP-27								

Released by	Received by	Date	Time
Robert N. VanDyke	MTC Cold	6/5/12	1800
MTC Cold	Robert N. VanDyke	6/6/12	1130
Robert N. VanDyke	Cindy Emmema	6/6/12	11:40

Laboratory use only

☐ Blue Ice ____°

☐ Regular Ice

☐ No Coolant

FRANKLIN PRESS 53794.11/11

1206034

Bio-Chem LABORATORIES, INC.

1049 28th Street SE • Grand Rapids, MI 49508
Ph: (616) 248-4900 • Toll Free: 800-362-LABS
Fax: (616) 248-4904

Chain of Custody

Project Number 121055

Date 6/6/12 Date Due 6/13/12

Firm Name MTC

Turn around time 5 Days

Firm Address 693 Plymouth

Project Name State Fair

City, State, Zip Grand Rapids, MI 49505

State Samples Taken From MI

Phone 456-5469 Fax 456-5784

Contact Person Robert VanDyke

Item No.	Lab I.D.	Client Sample Number	Date Taken	Time Taken	Sample Description (sample type: water, soil, other)	Number of Containers	Analysis Desired (One per line): VOC - Std	PNA	MI 10 Metals	Remarks
1	31	GP-28	6/5/12		SOIL	2	X	X	X	
2	32	GP-29								
3	33	GP-30								
4	34	GP-30 DUP								
5	35	GP-31								
6	36	GP-32A								
7	37	GP-32B								
8	38	FB			Methanol	(1)		NO	NO	
9	39	TB			↓	(1)		NO	NO	
10										

Released by	Received by	Date	Time
Robert N. VanDyke	MTC Cold	6/5/12	1800
MTC Cold	Robert N. VanDyke	6/6/12	1130
Robert N. VanDyke	Cindy Ewema	6/6/12	11:40

Laboratory use only

☐ Blue Ice ____°

☐ Regular Ice

☐ No Coolant

FRANKLIN PRESS 53794 11/11

BIO-CHEM Laboratories, Inc.

Date: *14-Jun-12*

CLIENT: Materials Testing Consultants
Project: State Fair
Lab Order: 1206034

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received
1206034-01A	GP-1	Soil	6/4/2012	6/6/2012
1206034-02A	GP-2	Soil	6/4/2012	6/6/2012
1206034-03A	GP-3	Soil	6/4/2012	6/6/2012
1206034-04A	GP-4	Soil	6/4/2012	6/6/2012
1206034-05A	GP-5	Soil	6/4/2012	6/6/2012
1206034-06A	GP-6	Soil	6/4/2012	6/6/2012
1206034-07A	GP-7	Soil	6/4/2012	6/6/2012
1206034-08A	GP-8	Soil	6/4/2012	6/6/2012
1206034-09A	GP-9	Soil	6/4/2012	6/6/2012
1206034-10A	GP-10	Soil	6/4/2012	6/6/2012
1206034-11A	GP-11	Soil	6/5/2012	6/6/2012
1206034-12A	GP-12	Soil	6/5/2012	6/6/2012
1206034-13A	GP-12 Dup	Soil	6/5/2012	6/6/2012
1206034-14A	GP-13	Soil	6/5/2012	6/6/2012
1206034-15A	GP-14	Soil	6/5/2012	6/6/2012
1206034-16A	GP-15	Soil	6/5/2012	6/6/2012
1206034-17A	GP-16	Soil	6/5/2012	6/6/2012
1206034-18A	GP-17A	Soil	6/5/2012	6/6/2012
1206034-19A	GP-17B	Soil	6/5/2012	6/6/2012
1206034-20A	GP-18	Soil	6/5/2012	6/6/2012
1206034-21A	GP-19	Soil	6/5/2012	6/6/2012
1206034-22A	GP-20	Soil	6/5/2012	6/6/2012
1206034-23A	GP-21	Soil	6/5/2012	6/6/2012
1206034-24A	GP-21 Dup	Soil	6/5/2012	6/6/2012
1206034-25A	GP-22	Soil	6/5/2012	6/6/2012
1206034-26A	GP-23	Soil	6/5/2012	6/6/2012
1206034-27A	GP-24	Soil	6/5/2012	6/6/2012
1206034-28A	GP-25	Soil	6/5/2012	6/6/2012
1206034-29A	GP-26	Soil	6/5/2012	6/6/2012
1206034-30A	GP-27	Soil	6/5/2012	6/6/2012
1206034-31A	GP-28	Soil	6/5/2012	6/6/2012
1206034-32A	GP-29	Soil	6/5/2012	6/6/2012
1206034-33A	GP-30	Soil	6/5/2012	6/6/2012
1206034-34A	GP-30 Dup	Soil	6/5/2012	6/6/2012
1206034-35A	GP-31	Soil	6/5/2012	6/6/2012
1206034-36A	GP-32A	Soil	6/5/2012	6/6/2012
1206034-37A	GP-32B	Soil	6/5/2012	6/6/2012
1206034-38A	FB	Methanol	6/5/2012	6/6/2012

CLIENT:	Materials Testing Consultants
Project:	State Fair
Lab Order:	1206034

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date	Date Received
1206034-39A	TB	Methanol	6/5/2012	6/6/2012

BIO-CHEM Laboratories, Inc.

Date: *14-Jun-12*

CLIENT: Materials Testing Consultants
Project: State Fair
Lab Order: 1206034

CASE NARRATIVE

Samples are routinely analyzed using methods outlined in the following references:

(SW) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Ed.
(E) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020.
(A) Standard Methods for the Examination of Water and Wastewater, APHA, 18th Ed.
(D) Annual Book of ASTM Standards.

Specific methods utilized for this project are provided in the analytical report and are identified by the reference document abbreviation ( ) followed by the method number.

All QA/QC and sample analyses met method, laboratory and/or regulatory data quality objectives unless otherwise specified below.

No data qualifications required.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-01A

Project Number: 121055
Client Sample ID: GP-1
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	5,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	65,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	500		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	18,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	14,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	8,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	51,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	220		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-01A

Project Number: 121055
Client Sample ID: GP-1
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/6/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/6/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-02A

Project Number: 121055
Client Sample ID: GP-2
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,700		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	11,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,600		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	9,200		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	6,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	26,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-02A

Project Number: 121055
Client Sample ID: GP-2
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/6/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/6/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-03A

Project Number: 121055
Client Sample ID: GP-3
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	7,800		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	6,500		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	3,600		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-03A

Project Number: 121055
Client Sample ID: GP-3
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/6/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/6/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-04A

Project Number: 121055
Client Sample ID: GP-4
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,600		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	57,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	670		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	13,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	16,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	20,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	49,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	560		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-04A

Project Number: 121055
Client Sample ID: GP-4
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/6/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/6/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-05A

Project Number: 121055
Client Sample ID: GP-5
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,400		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	53,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	450		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	13,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	16,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	12,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	47,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	470		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
11. Fluoranthene	SW8270C	400		330	µg/Kg-dry	1	KLM	6/8/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
16. Pyrene	SW8270C	330		330	µg/Kg-dry	1	KLM	6/8/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-05A

Project Number: 121055
Client Sample ID: GP-5
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/6/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/6/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-06A

Project Number: 121055
Client Sample ID: GP-6
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	4,900		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	14,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	220		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	6,200		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	6,600		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	6,700		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	35,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-06A

Project Number: 121055
Client Sample ID: GP-6
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/6/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/6/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/6/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/6/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-07A

Project Number: 121055
Client Sample ID: GP-7
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,500		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	60,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	370		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	15,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	6,600		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	7,200		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	54,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	310		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-07A

Project Number: 121055
Client Sample ID: GP-7
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/12/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/12/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/12/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-08A

Project Number: 121055
Client Sample ID: GP-8
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,400		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	70,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	400		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	16,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	11,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	8,800		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	50,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	320		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/8/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-08A

Project Number: 121055
Client Sample ID: GP-8
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/12/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/12/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/12/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/12/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-09A

Project Number: 121055
Client Sample ID: GP-9
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	4,200		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	140,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	840		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	23,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	18,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	11,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	63,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	290		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-09A

Project Number: 121055
Client Sample ID: GP-9
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-10A

Project Number: 121055
Client Sample ID: GP-10
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,100		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	73,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	340		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	17,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	13,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	10,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	48,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	320		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/9/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-10A

Project Number: 121055
Client Sample ID: GP-10
Collection Date: 6/4/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-11A

Project Number: 121055
Client Sample ID: GP-11
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	43,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	320		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	8,800		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	6,700		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	11,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	27,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	210		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-11A

Project Number: 121055
Client Sample ID: GP-11
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-12A

Project Number: 121055
Client Sample ID: GP-12
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,700		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	27,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	220		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,800		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	4,900		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	26,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	29,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	380		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-12A

Project Number: 121055
Client Sample ID: GP-12
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-13A

Project Number: 121055
Client Sample ID: GP-12 Dup
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	6,200		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	3,200		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	13,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	330		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-13A

Project Number: 121055
Client Sample ID: GP-12 Dup
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-14A

Project Number: 121055
Client Sample ID: GP-13
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,500		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	54,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	420		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	8,800		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	7,200		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	20,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	46,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	270		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-14A

Project Number: 121055
Client Sample ID: GP-13
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-15A

Project Number: 121055
Client Sample ID: GP-14
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	3,200		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	43,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	360		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	12,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	5,600		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	6,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	26,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-15A

Project Number: 121055
Client Sample ID: GP-14
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-16A

Project Number: 121055
Client Sample ID: GP-15
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,100		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	7,600		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	260		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	4,700		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	6,300		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	3,600		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-16A

Project Number: 121055
Client Sample ID: GP-15
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-17A

Project Number: 121055
Client Sample ID: GP-16
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,800		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	7,800		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	6,700		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	7,100		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	4,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-17A

Project Number: 121055
Client Sample ID: GP-16
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-18A

Project Number: 121055
Client Sample ID: GP-17A
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	15,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	6,900		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	2,400		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	3,200		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	12,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-18A

Project Number: 121055
Client Sample ID: GP-17A
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-19A

Project Number: 121055
Client Sample ID: GP-17B
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	4,100		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	40,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	420		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	13,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	19,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	6,700		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	38,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-19A

Project Number: 121055
Client Sample ID: GP-17B
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-20A

Project Number: 121055
Client Sample ID: GP-18
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/11/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	22,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	210		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,400		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	8,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	11,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	29,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-20A

Project Number: 121055
Client Sample ID: GP-18
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-21A

Project Number: 121055
Client Sample ID: GP-19
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	14,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	3,900		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	1,300		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	4,600		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-21A

Project Number: 121055
Client Sample ID: GP-19
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-22A

Project Number: 121055
Client Sample ID: GP-20
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	33,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	3,800		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	5,300		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	2,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	14,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-22A

Project Number: 121055
Client Sample ID: GP-20
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-23A

Project Number: 121055
Client Sample ID: GP-21
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	9,400		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,200		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	7,300		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	2,900		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-23A

Project Number: 121055
Client Sample ID: GP-21
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-24A

Project Number: 121055
Client Sample ID: GP-21 Dup
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,600		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	8,600		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,200		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	8,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	4,400		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	21,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/11/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-24A

Project Number: 121055
Client Sample ID: GP-21 Dup
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-25A

Project Number: 121055
Client Sample ID: GP-22
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	140,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	4,300		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	5,700		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	2,100		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	11,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-25A

Project Number: 121055
Client Sample ID: GP-22
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-26A

Project Number: 121055
Client Sample ID: GP-23
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	3,100		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	84,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	17,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	1,900		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	2,900		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	4,100		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	410		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	350		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-26A

Project Number: 121055
Client Sample ID: GP-23
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-27A

Project Number: 121055
Client Sample ID: GP-24
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	210		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	8,600		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	10,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	5,500		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	28,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	3	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-27A

Project Number: 121055
Client Sample ID: GP-24
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-28A

Project Number: 121055
Client Sample ID: GP-25
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	90,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	3,300		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	1,700		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	1,800		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	5,600		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-28A

Project Number: 121055
Client Sample ID: GP-25
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-29A

Project Number: 121055
Client Sample ID: GP-26
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	11,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	6,400		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	7,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	3,800		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	22,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-29A

Project Number: 121055
Client Sample ID: GP-26
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-30A

Project Number: 121055
Client Sample ID: GP-27
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,400		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	110,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,500		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	6,200		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	3,800		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	17,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-30A

Project Number: 121055
Client Sample ID: GP-27
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-31A

Project Number: 121055
Client Sample ID: GP-28
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	< 1,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	160,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	3,700		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	1,200		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	1,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	3,700		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-31A

Project Number: 121055
Client Sample ID: GP-28
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-32A

Project Number: 121055
Client Sample ID: GP-29
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,700		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	89,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	4,400		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	7,500		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	3,900		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	23,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-32A

Project Number: 121055
Client Sample ID: GP-29
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-33A

Project Number: 121055
Client Sample ID: GP-30
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	3,200		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	11,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	220		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	5,700		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	12,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	4,200		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	29,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-33A

Project Number: 121055
Client Sample ID: GP-30
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-34A

Project Number: 121055
Client Sample ID: GP-30 Dup
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,500		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	110,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	4,900		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	1,500		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	2,300		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	5,100		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-34A

Project Number: 121055
Client Sample ID: GP-30 Dup
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-35A

Project Number: 121055
Client Sample ID: GP-31
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	4,400		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	100,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	510		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	20,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	10,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	10,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	63,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	230		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-35A

Project Number: 121055
Client Sample ID: GP-31
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-36A

Project Number: 121055
Client Sample ID: GP-32A
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	1,600		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	53,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	430		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	15,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	14,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	9,400		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	42,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	380		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-36A

Project Number: 121055
Client Sample ID: GP-32A
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-37A

Project Number: 121055
Client Sample ID: GP-32B
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Mercury by CVAA								
1. Mercury	SW7471A	< 50		50	µg/Kg-dry	1	RHS	6/12/2012
Total Metal(s) by ICP								
1. Arsenic	SW6010B	2,000		1,000	µg/Kg-dry	1	RHS	6/11/2012
2. Barium	SW6010B	29,000		500	µg/Kg-dry	1	RHS	6/11/2012
3. Cadmium	SW6010B	350		200	µg/Kg-dry	1	RHS	6/11/2012
4. Chromium	SW6010B	11,000		500	µg/Kg-dry	1	RHS	6/11/2012
5. Copper	SW6010B	12,000		500	µg/Kg-dry	1	RHS	6/11/2012
6. Lead	SW6010B	6,100		1,000	µg/Kg-dry	1	RHS	6/11/2012
7. Silver	SW6010B	< 100		100	µg/Kg-dry	1	RHS	6/11/2012
8. Zinc	SW6010B	36,000		500	µg/Kg-dry	1	RHS	6/11/2012
Total Selenium by NaBHR								
1. Selenium	SW7742	< 200		200	µg/Kg-dry	1	RHS	6/11/2012
PNAs by GC/MS								
1. Acenaphthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
2. Acenaphthylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
3. Anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
4. Benzo[a]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
5. Benzo[a]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
6. Benzo[b]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
7. Benzo[g,h,i]perylene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
8. Benzo[k]fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
9. Chrysene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
10. Dibenz[a,h]anthracene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
11. Fluoranthene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
12. Fluorene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
13. Indeno[1,2,3-cd]pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
14. Naphthalene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
15. Phenanthrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012
16. Pyrene	SW8270C	< 330		330	µg/Kg-dry	1	KLM	6/12/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-37A

Project Number: 121055
Client Sample ID: GP-32B
Collection Date: 6/5/2012
Matrix: SOIL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg-dry	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg-dry	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg-dry	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg-dry	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-38A

Project Number: 121055
Client Sample ID: FB
Collection Date: 6/5/2012
Matrix: METHANOL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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BIO-CHEM Laboratories, Inc.

Date: *6/14/2012*

ANALYTICAL REPORT

CLIENT: Materials Testing Consultants
Lab Order: 1206034
Project: State Fair
Lab Sample ID: 1206034-39A

Project Number: 121055
Client Sample ID: TB
Collection Date: 6/5/2012
Matrix: METHANOL

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Volatiles by GC/MS (5035)								
1. 1,1,1-Trichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
2. 1,1,2,2-Tetrachloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
3. 1,1,2-Trichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
4. 1,1-Dichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
5. 1,1-Dichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
6. 1,2,4-Trimethylbenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
7. 1,2-Dibromoethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
8. 1,2-Dichlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
9. 1,2-Dichloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
10. 1,2-Dichloropropane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
11. 1,3,5-Trimethylbenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
12. 1,3-Dichlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
13. 1,4-Dichlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
14. Benzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
15. Bromodichloromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
16. Bromoform	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
17. Bromomethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
18. Carbon tetrachloride	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
19. Chlorobenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
20. Chloroethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
21. Chloroform	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
22. Chloromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
23. cis-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
24. cis-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
25. Dibromochloromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
26. Ethylbenzene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
27. m,p-Xylene	SW8260B	< 100		100	µg/Kg	1	GCP	6/13/2012
28. Methyl tert-butyl ether	SW8260B	< 250		250	µg/Kg	1	GCP	6/13/2012
29. Methylene chloride	SW8260B	< 100		100	µg/Kg	1	GCP	6/13/2012
30. o-Xylene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
31. Tetrachloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
32. Toluene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
33. trans-1,2-Dichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
34. trans-1,3-Dichloropropene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
35. Trichloroethene	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
36. Trichlorofluoromethane	SW8260B	< 50		50	µg/Kg	1	GCP	6/13/2012
37. Vinyl chloride	SW8260B	< 40		40	µg/Kg	1	GCP	6/13/2012

Definitions: PQL - Practical Quantitation Limit
DF - Dilution Factor

Qualifiers (Q): J - Detected below PQL but above MDL: Estimated
S - Spike Recovery Outside Acceptance Limits
B - Analyte detected in associated Method Blank
N - See case narrative for explanation

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Note: The sample results reported are based on the sample aliquot(s) tested.

Lab Order: 1206034
Client: Materials Testing Consultants
Project: State Fair

ANALYTICAL DETAIL REPORT

Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-01A	GP-1	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/8/2012	GCMS_L_120607A
	GP-1	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-1	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-1	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-1	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/6/2012	33819	6/6/2012	GCMS_Z_120606B
1206034-02A	GP-2	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/8/2012	GCMS_L_120607A
	GP-2	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-2	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-2	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-2	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/6/2012	33819	6/6/2012	GCMS_Z_120606B
1206034-03A	GP-3	Soil	PNAs by GC/MS	6/4/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A
	GP-3	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/8/2012	GCMS_L_120607A
	GP-3	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-3	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-3	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-3	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/6/2012	33819	6/6/2012	GCMS_Z_120606B
1206034-04A	GP-4	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/8/2012	GCMS_L_120607A
	GP-4	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-4	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-4	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-4	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/6/2012	33819	6/6/2012	GCMS_Z_120606B
1206034-05A	GP-5	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/8/2012	GCMS_L_120607A
	GP-5	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-5	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-5	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-5	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/6/2012	33819	6/6/2012	GCMS_Z_120606B

Lab Order: 1206034
Client: Materials Testing Consultants
Project: State Fair

ANALYTICAL DETAIL REPORT

Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-06A	GP-6	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/9/2012	GCMS_L_120607A
	GP-6	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-6	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-6	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-6	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/6/2012	33819	6/6/2012	GCMS_Z_120606B
1206034-07A	GP-7	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/9/2012	GCMS_L_120607A
	GP-7	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-7	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-7	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-7	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/12/2012	R72711	6/12/2012	GCMS_Z_120612A
1206034-08A	GP-8	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/8/2012	GCMS_L_120607A
	GP-8	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-8	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-8	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-8	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/12/2012	R72711	6/12/2012	GCMS_Z_120612A
1206034-09A	GP-9	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/9/2012	GCMS_L_120607A
	GP-9	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-9	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-9	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-9	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-10A	GP-10	Soil	PNAs by GC/MS	6/4/2012		6/6/2012	33814	6/9/2012	GCMS_L_120607A
	GP-10	Soil	Total Mercury by CVAA	6/4/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-10	Soil	Total Metal(s) by ICP	6/4/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-10	Soil	Total Selenium by NaBHR	6/4/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-10	Soil	Volatiles by GC/MS (5035)	6/4/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-11A	GP-11	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A

Lab Order: 1206034
Client: Materials Testing Consultants
Project: State Fair

ANALYTICAL DETAIL REPORT

Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-11A	GP-11	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-11	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-11	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-11	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-12A	GP-12	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-12	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-12	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-12	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-12	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-13A	GP-12 Dup	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-12 Dup	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-12 Dup	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-12 Dup	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-12 Dup	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-14A	GP-13	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-13	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-13	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-13	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-13	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-15A	GP-14	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/11/2012	GCMS_L_120611A
	GP-14	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-14	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-14	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-14	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-16A	GP-15	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/11/2012	GCMS_L_120611A
	GP-15	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B

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Project: State Fair

ANALYTICAL DETAIL REPORT

Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-16A	GP-15	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-15	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-15	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-17A	GP-16	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-16	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-16	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-16	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-16	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72711	6/13/2012	GCMS_Z_120612A
1206034-18A	GP-17A	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/11/2012	GCMS_L_120611A
	GP-17A	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-17A	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-17A	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-17A	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-19A	GP-17B	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/11/2012	GCMS_L_120611A
	GP-17B	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-17B	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33836	6/11/2012	MTL_G_ICP_120611A
	GP-17B	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33836	6/11/2012	MTL_C_FL_120611C
	GP-17B	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-20A	GP-18	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-18	Soil	Total Mercury by CVAA	6/5/2012		6/11/2012	33846	6/11/2012	MTL_D_HY_120611B
	GP-18	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-18	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-18	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-21A	GP-19	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-19	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-19	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A

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Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-21A	GP-19	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-19	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-22A	GP-20	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-20	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-20	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-20	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-20	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-23A	GP-21	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/11/2012	GCMS_L_120611A
	GP-21	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-21	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-21	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-21	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-24A	GP-21 Dup	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/11/2012	GCMS_L_120611A
	GP-21 Dup	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-21 Dup	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-21 Dup	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-21 Dup	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-25A	GP-22	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-22	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-22	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-22	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-22	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-26A	GP-23	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-23	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-23	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-23	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C

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Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-26A	GP-23	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-27A	GP-24	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-24	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-24	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-24	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-24	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-28A	GP-25	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-25	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-25	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-25	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-25	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-29A	GP-26	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-26	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-26	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-26	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-26	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-30A	GP-27	Soil	PNAs by GC/MS	6/5/2012		6/7/2012	33824	6/12/2012	GCMS_L_120611A
	GP-27	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-27	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-27	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-27	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-31A	GP-28	Soil	PNAs by GC/MS	6/5/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A
	GP-28	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-28	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-28	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-28	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B

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Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-32A	GP-29	Soil	PNAs by GC/MS	6/5/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A
	GP-29	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-29	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-29	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-29	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-33A	GP-30	Soil	PNAs by GC/MS	6/5/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A
	GP-30	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-30	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-30	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-30	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-34A	GP-30 Dup	Soil	PNAs by GC/MS	6/5/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A
	GP-30 Dup	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-30 Dup	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-30 Dup	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-30 Dup	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/12/2012	R72717	6/13/2012	GCMS_Z_120612B
1206034-35A	GP-31	Soil	PNAs by GC/MS	6/5/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A
	GP-31	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-31	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-31	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-31	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/6/2012	33819	6/13/2012	GCMS_Z_120613A
1206034-36A	GP-32A	Soil	PNAs by GC/MS	6/5/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A
	GP-32A	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-32A	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-32A	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-32A	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/6/2012	33819	6/13/2012	GCMS_Z_120613A
1206034-37A	GP-32B	Soil	PNAs by GC/MS	6/5/2012		6/8/2012	33834	6/12/2012	GCMS_L_120611A

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Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
1206034-37A	GP-32B	Soil	Total Mercury by CVAA	6/5/2012		6/12/2012	33847	6/12/2012	MTL_D_HY_120612A
	GP-32B	Soil	Total Metal(s) by ICP	6/5/2012		6/9/2012	33837	6/11/2012	MTL_G_ICP_120611A
	GP-32B	Soil	Total Selenium by NaBHR	6/5/2012		6/9/2012	33837	6/11/2012	MTL_C_FL_120611C
	GP-32B	Soil	Volatiles by GC/MS (5035)	6/5/2012		6/6/2012	33819	6/13/2012	GCMS_Z_120613A
1206034-38A	FB	Methanol	Volatiles by GC/MS (5035)	6/5/2012		6/6/2012	33819	6/13/2012	GCMS_Z_120613A
1206034-39A	TB	Methanol	Volatiles by GC/MS (5035)	6/5/2012		6/6/2012	33819	6/13/2012	GCMS_Z_120613A

Materials Testing Consultants, INC.

LIMITATIONS
FOR
PHASE I &II ESAs, BEAs and DUE CARE PLANS

1. The observations were made of the Site and structures as described in this ESA Report and under the conditions stated therein. Where access to portions of the Site or structures on the Site was unavailable or limited, MTC renders no opinion as the presence of hazardous materials or to the presence of indirect evidence relating to hazardous material in that portion of the Site or structure. In addition, MTC renders no opinion as to the presence of hazardous material, or to the presence of indirect evidence as to the presence of hazardous material where direct observation of the interior walls, floor, or ceiling of the structure on the Site was obstructed by objects or coverings on or over these surfaces. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client.

2. In preparing this Report, MTC relied upon certain information provided by federal, state or local officials and other parties referenced therein, and on information contained in files of agencies made available to MTC at the time of this ESA. MTC did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this ESA.

3. In the event that bank counsel or title examiner for Client obtains information on environmental or hazardous waste issues at the Site that are not contained in this Report, MTC requests that such information be brought to MTC's attention forthwith such that on the basis of MTC's evaluation of such information, MTC may modify the conclusions of this Report.

4. MTC did not perform any testing or analysis for the presence of PCBs, asbestos or lead at the Site or in the environment at the Site unless otherwise specified in the Report. Where such analysis were conducted by an outside laboratory, MTC has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

5. The purpose of this ESA was to assess the physical characteristics of the Site with respect to the presence of hazardous material or oil in the environment. No attempt was made to check on the compliance of present or past owners or operators of the Site with federal, state or local laws and regulations, environmental or otherwise.

6. The conclusions and recommendations submitted in the Report are based in part upon the data obtained from a limited number of soil/groundwater samples from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further investigation. If variations or other latent conditions become evident, it will be necessary to re-evaluate the conclusions and recommendations of this Report.

7. The observations described in this Report were made under the conditions stated therein. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client.

8. In the event that water level readings were made in test borings, monitoring wells, or excavations, the readings were made at the time and under the conditions stated in the Report. It must be noted that fluctuations in the groundwater levels may occur due to variations in rainfall, and other factors different from those prevailing at the time the measurements were made.

9. The soil boring logs describe the subsurface condition encountered. The soil profile described in the text was generalized and is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized based upon widely spaced explorations. The actual soil transitions are probably more gradual than that depicted on the boring logs.

10. Chemical analyses were performed for specific parameters during the course of MTC's study, as detailed in this Report. MTC has relied upon the data provided by the outside laboratory and has not conducted an independent evaluation of the reliability of the data.

11. This Report may contain comparative cost estimates for purposes of evaluating alternative future activities. These estimates may also include approximate quantity evaluations. It should be noted that quantity estimates may not be accurate enough for bidding purposes, and that since MTC has no control over labor and materials costs outside itself, MTC provides no guarantees to the accuracy of the cost estimates.

12. This report was prepared for the exclusive use of Client, for specific application to the subject site in accordance with generally accepted practices. No other warranty, expressed or implied, is made.