APPENDIX F

LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY DOCUMENTATION

Fibertec
environmental
services

Friday, December 10, 2010

Fibertec Project Number:	42307
Project Identification:	Klein Tool /LE61837A
Submittal Date:	12/03/2010

Mr. Brian Trent
Soil and Materials Engineers, Inc. - Grand Rapids
4705 Clyde Park Avenue, SW
Grand Rapids, MI 49509-5114

Dear Mr. Trent,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**METHANOL BLANK**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**1**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-001** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/03/10	V910L03C	12/04/10	V910L03C
2. Acrylonitrile	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
3. Benzene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
4. Bromobenzene	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
5. Bromochloromethane	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
6. Bromodichloromethane	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
7. Bromoform	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
8. Bromomethane	U		µg/kg	200	1.0	12/03/10	V910L03C	12/04/10	V910L03C
9. 2-Butanone	U		µg/kg	750	1.0	12/03/10	V910L03C	12/04/10	V910L03C
10. n-Butylbenzene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
13. Carbon Disulfide	U		µg/kg	250	1.0	12/03/10	V910L03C	12/04/10	V910L03C
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
15. Chlorobenzene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
16. Chloroethane	U		µg/kg	250	1.0	12/03/10	V910L03C	12/04/10	V910L03C
17. Chloroform	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
18. Chloromethane	U		µg/kg	250	1.0	12/03/10	V910L03C	12/04/10	V910L03C
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
20. Dibromochloromethane	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	25	1.0	12/03/10	V910L03C	12/04/10	V910L03C
22. Dibromomethane	U		µg/kg	250	1.0	12/03/10	V910L03C	12/04/10	V910L03C
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/03/10	V910L03C	12/04/10	V910L03C
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
35. Ethylbenzene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
36. Ethylene Dibromide	U		µg/kg	20	1.0	12/03/10	V910L03C	12/04/10	V910L03C
37. 2-Hexanone	U		µg/kg	2500	1.0	12/03/10	V910L03C	12/04/10	V910L03C
38. Isopropylbenzene	U		µg/kg	250	1.0	12/03/10	V910L03C	12/04/10	V910L03C
39. Methyl Iodide	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
40. Methylene Chloride	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**METHANOL BLANK**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**1**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-001** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	12/03/10	V910L03C	12/04/10	V910L03C
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/03/10	V910L03C	12/04/10	V910L03C
43. MTBE	U		µg/kg	250	1.0	12/03/10	V910L03C	12/04/10	V910L03C
44. Naphthalene	U		µg/kg	330	1.0	12/03/10	V910L03C	12/04/10	V910L03C
45. n-Propylbenzene	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
46. Styrene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
49. Tetrachloroethene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
50. Toluene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/03/10	V910L03C	12/04/10	V910L03C
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
54. Trichloroethene	U		µg/kg	50	1.0	12/03/10	V910L03C	12/04/10	V910L03C
55. Trichlorofluoromethane	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/03/10	V910L03C	12/04/10	V910L03C
60. Vinyl Chloride	U		µg/kg	40	1.0	12/03/10	V910L03C	12/04/10	V910L03C
61. Xylenes	U		µg/kg	150	1.0	12/03/10	V910L03C	12/04/10	V910L03C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB1 0-2'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**2**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:20**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-002** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**8.9**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-002** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**6200**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**5500**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**8900**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**61000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**360**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**91000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-002** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**130**	J,L+	µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) — **Aliquot ID: 42307-002** — **Matrix: Soil/Solid** — **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
2. Acenaphthylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
3. Anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
4. Benzo(a)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
5. Benzo(a)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
9. Chrysene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
11. Fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
12. Fluorene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
15. Naphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
16. Phenanthrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
17. Pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB2 0-2'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**3**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**10:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-003** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**12**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-003** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**8100**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**9300**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**33000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**290000**		µg/kg	1000	200	12/08/10	PT10L08I	12/10/10	T210L10A
5. Selenium	**450**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**220**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**150000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-003** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**520**	J,L+	µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) — **Aliquot ID: 42307-003** — **Matrix: Soil/Solid** — **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
2. Acenaphthylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
3. Anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
4. Benzo(a)anthracene (SIM)	**990**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
5. Benzo(a)pyrene (SIM)	**890**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**1200**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**670**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**430**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
9. Chrysene (SIM)	**940**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
11. Fluoranthene (SIM)	**2100**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
12. Fluorene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**760**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
15. Naphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
16. Phenanthrene (SIM)	**1200**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
17. Pyrene (SIM)	**1800**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB3 0-2'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**4**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-004** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**7.3**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-004** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**11000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**30000**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**61000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**120000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**450**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**110**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**150000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-004** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**170**	J,L+	µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) — **Aliquot ID: 42307-004** — **Matrix: Soil/Solid** — **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
2. Acenaphthylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
3. Anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
4. Benzo(a)anthracene (SIM)	**1100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
5. Benzo(a)pyrene (SIM)	**1100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**1600**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**540**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**540**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
9. Chrysene (SIM)	**1100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
11. Fluoranthene (SIM)	**2300**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
12. Fluorene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**690**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
15. Naphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
16. Phenanthrene (SIM)	**990**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
17. Pyrene (SIM)	**2000**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB5 0.5-2.5'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**6**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-006A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**14**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-006A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**110000**		µg/kg	200	200	12/08/10	PT10L08I	12/10/10	T210L10A
2. Chromium	**13000**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**30000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**40000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**690**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**120000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-006A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**54**	J,L+	µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-006** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	290	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB5 0.5-2.5'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**6**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-006** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	29	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	58	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	23	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	75		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB5 0.5-2.5'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**6**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**16:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-006A** **Matrix: Soil/Solid** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
2. Acenaphthylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
3. Anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
4. Benzo(a)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
5. Benzo(a)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
9. Chrysene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
11. Fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
12. Fluorene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
15. Phenanthrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
16. Pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP 1**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**7**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-007A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**8.9**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-007A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**26000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**10000**		µg/kg	500	40	12/08/10	PT10L08I	12/10/10	T210L10A
3. Copper	**15000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**20000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**650**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**66000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-007A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**56**	J,L+	µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-007** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	270	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP 1**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**7**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-007** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	27	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	22	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	190		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP 1**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**7**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-007A** **Matrix: Soil/Solid** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
2. Acenaphthylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
3. Anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
4. Benzo(a)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
5. Benzo(a)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
9. Chrysene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
11. Fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
12. Fluorene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
15. Phenanthrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
16. Pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7 6-8'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**9**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-009A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**22**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-009A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**38000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**87000**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**550000**		µg/kg	1000	200	12/08/10	PT10L08I	12/10/10	T210L10A
4. Lead	**1700000**		µg/kg	1000	200	12/08/10	PT10L08I	12/10/10	T210L10A
5. Selenium	**2000**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**820**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**3800000**		µg/kg	10000	200	12/08/10	PT10L08I	12/10/10	T210L10A

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-009A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**5300**		µg/kg	260	100	12/08/10	PM10L08B	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-009** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	320	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7 6-8'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**9**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-009** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	32	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	64	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	26	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	510		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7 6-8'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**9**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:35**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-009A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
2. Acenaphthylene (SIM)	**460**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
3. Anthracene (SIM)	**1200**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
4. Benzo(a)anthracene (SIM)	**3300**		µg/kg	340	40	12/08/10	PS10L08A	12/08/10	S510L08C
5. Benzo(a)pyrene (SIM)	**2700**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**3300**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**2100**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**1100**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
9. Chrysene (SIM)	**3200**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	**630**		µg/kg	340	40	12/08/10	PS10L08A	12/08/10	S510L08C
11. Fluoranthene (SIM)	**6700**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
12. Fluorene (SIM)	**430**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**1700**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
15. Phenanthrene (SIM)	**4300**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
16. Pyrene (SIM)	**5800**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7 10-11'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**10**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-010A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**63**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-010A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**15000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**1900**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**2100**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**2800**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**1100**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**11000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-010A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**95**		µg/kg	54	10	12/08/10	PM10L08B	12/09/10	M410L09C

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-010** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	130	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	270	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	670	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	270	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7 10-11'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**10**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-010** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	130	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	54	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7 10-11'**	Chain of Custody:	**103173**
Client Project Name:	**Klein Tool**	Sample No:	**10**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:40**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-010A** **Matrix: Soil/Solid** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
2. Acenaphthylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
3. Anthracene	**440**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
4. Benzo(a)anthracene	**1500**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
5. Benzo(a)pyrene	**1000**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
6. Benzo(b)fluoranthene	**1200**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
8. Benzo(k)fluoranthene	**550**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
9. Chrysene	**1400**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
11. Fluoranthene	**2600**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
12. Fluorene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
15. Phenanthrene	**1400**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
16. Pyrene	**2300**		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB8 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**11**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-011A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	19		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082A) — **Aliquot ID: 42307-011A** — **Matrix: Soil/Solid** — **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
2. Aroclor-1221	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
3. Aroclor-1232	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
4. Aroclor-1242	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
5. Aroclor-1248	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
6. Aroclor-1254	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
7. Aroclor-1260	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
8. Aroclor-1262 (NN)	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
9. Aroclor-1268 (NN)	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-011** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	310	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	31	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB8 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**11**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-011** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	62	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	25	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. Toluene	61		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichloroethene	880		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
61. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB9 4.5-5.5'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**12**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**17:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-012** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**14**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-012** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**6600**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**3400**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**8500**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**8700**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**1600**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**21000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-012** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**94**		µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) — **Aliquot ID: 42307-012** — **Matrix: Soil/Solid** — **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
2. Acenaphthylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
3. Anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
4. Benzo(a)anthracene (SIM)	**470**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**430**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
9. Chrysene (SIM)	**540**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
11. Fluoranthene (SIM)	**670**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
12. Fluorene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
14. 2-Methylnaphthalene (SIM)	**1200**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
15. Naphthalene (SIM)	**750**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
16. Phenanthrene (SIM)	**1400**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
17. Pyrene (SIM)	**620**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB12 0.25-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**13**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) **Aliquot ID: 42307-013A** **Matrix: Soil/Solid** **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**12**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-013** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	280	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	28	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	57	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	**260**		µg/kg	50	1.0	12/08/10	V310L08B	12/08/10	V310L08B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	23	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB12 0.25-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**13**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-013** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	**2800**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-013A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
2. Acenaphthylene (SIM)	**560**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
3. Anthracene (SIM)	U		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
4. Benzo(a)anthracene (SIM)	**970**		µg/kg	460	60	12/08/10	PS10L08A	12/09/10	S510L08C
5. Benzo(a)pyrene (SIM)	**2000**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**2700**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**520**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**660**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
9. Chrysene (SIM)	**2800**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	460	60	12/08/10	PS10L08A	12/09/10	S510L08C
11. Fluoranthene (SIM)	**1600**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
12. Fluorene (SIM)	U		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**770**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB12 0.25-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**13**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-013A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C
15. Phenanthrene (SIM)	U		µg/kg	1400	60	12/08/10	PS10L08A	12/09/10	S510L08C
16. Pyrene (SIM)	**3800**		µg/kg	330	60	12/08/10	PS10L08A	12/09/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB13 0.25-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**14**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-014A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**11**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-014** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	**290**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	280	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	28	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	56	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	**7100**		µg/kg	110	10	12/08/10	V310L08B	12/08/10	V310L08B
31. trans-1,2-Dichloroethene	**280**		µg/kg	50	1.0	12/08/10	V310L08B	12/08/10	V310L08B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	**140**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	23	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB13 0.25-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**14**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-014** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	**700**		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	**170**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	**18000**		µg/kg	110	10	12/08/10	V310L08B	12/08/10	V310L08B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	**760**		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	**700**		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	**420**		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	**400**		µg/kg	40	1.0	12/08/10	V310L08B	12/08/10	V310L08B
60. Xylenes	**490**		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-014A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	**940**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
2. Acenaphthylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
3. Anthracene (SIM)	**900**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
4. Benzo(a)anthracene (SIM)	**2600**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
5. Benzo(a)pyrene (SIM)	**1900**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**3300**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**990**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
9. Chrysene (SIM)	**4600**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
11. Fluoranthene (SIM)	**5100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
12. Fluorene (SIM)	**1100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**470**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB13 0.25-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**14**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-014A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
14. 2-Methylnaphthalene (SIM)	**2500**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
15. Phenanthrene (SIM)	**4200**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
16. Pyrene (SIM)	**6400**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB14 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**15**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable **NN**: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-015A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**19**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-015A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**9200**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**9600**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**24000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**130000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**510**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**110**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**92000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-015A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**51**		µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-015** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	310	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB14 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**15**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-015** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	31	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	62	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	25	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	360		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB14 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**15**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-015A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
2. Acenaphthylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
3. Anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
4. Benzo(a)anthracene (SIM)	**710**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
5. Benzo(a)pyrene (SIM)	**560**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**780**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**350**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
9. Chrysene (SIM)	**600**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
11. Fluoranthene (SIM)	**1500**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
12. Fluorene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**430**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
15. Phenanthrene (SIM)	**980**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
16. Pyrene (SIM)	**1200**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB15 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**16**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:10**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-016** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**7.6**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Polychlorinated Biphenyls (PCBs) (EPA 3550B/EPA 8082A) — **Aliquot ID: 42307-016** — **Matrix: Soil/Solid** — **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Aroclor-1016	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
2. Aroclor-1221	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
3. Aroclor-1232	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
4. Aroclor-1242	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
5. Aroclor-1248	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
6. Aroclor-1254	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
7. Aroclor-1260	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
8. Aroclor-1262 (NN)	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B
9. Aroclor-1268 (NN)	U		µg/kg	330	10	12/07/10	PS10L07B	12/08/10	SB10L07B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB16 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**17**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-017A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**7.8**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-017A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**7000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**7800**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**16000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**140000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**390**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**59000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-017A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**74**		µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-017** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	270	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB16 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**17**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-017** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	27	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	54	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	22	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB16 0-2'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**17**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:50**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-017A** **Matrix: Soil/Solid** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
2. Acenaphthylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
3. Anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
4. Benzo(a)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
5. Benzo(a)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
9. Chrysene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
11. Fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
12. Fluorene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
15. Phenanthrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
16. Pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB18 2-3'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**19**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-019A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**6.4**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-019A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**8400**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**13000**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**16000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**480000**		µg/kg	1000	200	12/08/10	PT10L08I	12/10/10	T210L10A
5. Selenium	**610**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**130**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**82000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-019A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**480**		µg/kg	50	10	12/08/10	PM10L08B	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-019** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	**260**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	270	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB18 2-3'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**19**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-019** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	27	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	53	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	**69**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	21	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	**8500**		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	**690**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	**60**		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	**260**		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	**730**		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB18 2-3'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**19**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable **NN**: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-019A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	**12000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
2. Acenaphthylene (SIM)	**9100**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
3. Anthracene (SIM)	**35000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
4. Benzo(a)anthracene (SIM)	**60000**		µg/kg	1400	200	12/08/10	PS10L08A	12/09/10	S510L08C
5. Benzo(a)pyrene (SIM)	**50000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**65000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**14000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**24000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
9. Chrysene (SIM)	**54000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	**5200**		µg/kg	1400	200	12/08/10	PS10L08A	12/09/10	S510L08C
11. Fluoranthene (SIM)	**140000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
12. Fluorene (SIM)	**16000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**21000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
14. 2-Methylnaphthalene (SIM)	**8600**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
15. Phenanthrene (SIM)	**140000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C
16. Pyrene (SIM)	**120000**		µg/kg	710	200	12/08/10	PS10L08A	12/09/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB19 0.5-2.5'**	Chain of Custody:	**103163**
Client Project Name:	**Klein Tool**	Sample No:	**20**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:25**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-020** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**11**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-020** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**6600**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**8000**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**19000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**320000**		µg/kg	1000	200	12/08/10	PT10L08I	12/10/10	T210L10A
5. Selenium	**660**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**240**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**140000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-020** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**520**		µg/kg	50	10	12/08/10	PM10L08A	12/09/10	M410L09A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) — **Aliquot ID: 42307-020** — **Matrix: Soil/Solid** — **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
2. Acenaphthylene (SIM)	**340**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
3. Anthracene (SIM)	**1000**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
4. Benzo(a)anthracene (SIM)	**2400**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
5. Benzo(a)pyrene (SIM)	**1800**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**2300**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**960**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**790**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
9. Chrysene (SIM)	**2100**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
11. Fluoranthene (SIM)	**4600**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
12. Fluorene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**1200**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
15. Naphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
16. Phenanthrene (SIM)	**3900**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
17. Pyrene (SIM)	**4000**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB20 6-7'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**21**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-021A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**26**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-021A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**29000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**37000**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**86000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**520000**		µg/kg	1000	200	12/08/10	PT10L08I	12/10/10	T210L10A
5. Selenium	**1300**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**290**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**1500000**		µg/kg	10000	200	12/08/10	PT10L08I	12/10/10	T210L10A

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-021A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**1800**		µg/kg	270	100	12/08/10	PM10L08A	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-021** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	810	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	340	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB20 6-7'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**21**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-021** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	34	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	67	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	27	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	340	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB20 6-7'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**21**	Collect Date:	**12/01/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**15:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-021A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	**630**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
2. Acenaphthylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
3. Anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
4. Benzo(a)anthracene (SIM)	**400**		µg/kg	360	40	12/08/10	PS10L08A	12/08/10	S510L08C
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**360**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
9. Chrysene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	360	40	12/08/10	PS10L08A	12/08/10	S510L08C
11. Fluoranthene (SIM)	**780**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
12. Fluorene (SIM)	**600**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
15. Phenanthrene (SIM)	**1300**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C
16. Pyrene (SIM)	**610**		µg/kg	330	40	12/08/10	PS10L08A	12/08/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB21 5-7'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**22**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-022** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**14**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-022** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**22000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**5500**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**16000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**7800**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**420**		µg/kg	200	10	12/08/10	PT10L08I	12/10/10	T210L10A
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**37000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-022** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/kg	50	10	12/08/10	PM10L08A	12/09/10	M410L09A

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) — **Aliquot ID: 42307-022** — **Matrix: Soil/Solid** — **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
2. Acenaphthylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
3. Anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
4. Benzo(a)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
5. Benzo(a)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
9. Chrysene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
11. Fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
12. Fluorene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
15. Naphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
16. Phenanthrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
17. Pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB22 0.5-2'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**23**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-023A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**5.2**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-023A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**4400**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**4700**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**7900**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**29000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
5. Selenium	**200**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	U		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**29000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-023A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**67**		µg/kg	50	10	12/08/10	PM10L08A	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-023** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	260	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB22 0.5-2'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**23**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-023** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	26	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	53	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	21	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB22 0.5-2'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**23**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**12:30**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-023A** **Matrix: Soil/Solid** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
2. Acenaphthylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
3. Anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
4. Benzo(a)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
5. Benzo(a)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
6. Benzo(b)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
7. Benzo(ghi)perylene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
8. Benzo(k)fluoranthene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
9. Chrysene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
10. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
11. Fluoranthene	400		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
12. Fluorene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
14. 2-Methylnaphthalene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
15. Phenanthrene	U		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A
16. Pyrene	350		µg/kg	330	1.0	12/08/10	PS10L08A	12/08/10	S110L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB23 2.5-4.5'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**24**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-024A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**11**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-024A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**8200**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
2. Chromium	**9300**		µg/kg	500	20	12/08/10	PT10L08I	12/09/10	T210L09D
3. Copper	**25000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D
4. Lead	**330000**		µg/kg	1000	200	12/08/10	PT10L08I	12/10/10	T210L10A
5. Selenium	**630**		µg/kg	200	20	12/08/10	PT10L08I	12/09/10	T210L09D
6. Silver	**210**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D
7. Zinc	**170000**		µg/kg	1000	20	12/08/10	PT10L08I	12/09/10	T210L09D

Mercury by CVAAS (EPA 7471A) — **Aliquot ID: 42307-024A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	**540**		µg/kg	50	10	12/08/10	PM10L08A	12/09/10	M410L09A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-024** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	280	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB23 2.5-4.5'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**24**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-024** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	28	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	56	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	22	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. Trichloroethene	440		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB23 2.5-4.5'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**24**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**11:45**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3550B/EPA 8270C) **Aliquot ID: 42307-024A** **Matrix: Soil/Solid** **Analyst: BDA**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
2. Acenaphthylene (SIM)	**680**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
3. Anthracene (SIM)	**580**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
4. Benzo(a)anthracene (SIM)	**2000**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
5. Benzo(a)pyrene (SIM)	**2100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
6. Benzo(b)fluoranthene (SIM)	**3200**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
7. Benzo(ghi)perylene (SIM)	**1100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
8. Benzo(k)fluoranthene (SIM)	**1100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
9. Chrysene (SIM)	**2100**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
11. Fluoranthene (SIM)	**4500**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
12. Fluorene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
13. Indeno(1,2,3-cd)pyrene (SIM)	**1400**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
14. 2-Methylnaphthalene (SIM)	U		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
15. Phenanthrene (SIM)	**3200**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C
16. Pyrene (SIM)	**3900**		µg/kg	330	40	12/08/10	PS10L08A	12/09/10	S510L08C

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP 3**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**25**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-025A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**9.1**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-025A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**28000**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-025** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	280	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	28	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP 3**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**25**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**NA**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-025** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	22	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
61. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB25 0.25-2'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**26**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-026A** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**9.3**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-026A** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**6900**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) — **Aliquot ID: 42307-026** — **Matrix: Soil/Solid** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	12/06/10	V910L06A	12/06/10	V910L06B
2. Acrylonitrile	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
3. Benzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
4. Bromobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
5. Bromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
6. Bromodichloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
7. Bromoform	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
8. Bromomethane	U		µg/kg	200	1.0	12/06/10	V910L06A	12/06/10	V910L06B
9. 2-Butanone	U		µg/kg	750	1.0	12/06/10	V910L06A	12/06/10	V910L06B
10. n-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
11. sec-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
12. tert-Butylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
13. Carbon Disulfide	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
14. Carbon Tetrachloride	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
15. Chlorobenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
16. Chloroethane	U		µg/kg	280	1.0	12/06/10	V910L06A	12/06/10	V910L06B
17. Chloroform	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
18. Chloromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
19. 2-Chlorotoluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
20. Dibromochloromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
21. 1,2-Dibromo-3-chloropropane	U		µg/kg	28	1.0	12/06/10	V910L06A	12/06/10	V910L06B
22. Dibromomethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
28. 1,2-Dichloroethane	U		µg/kg	55	1.0	12/06/10	V910L06A	12/06/10	V910L06B
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB25 0.25-2'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**26**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**13:00**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B) **Aliquot ID: 42307-026** **Matrix: Soil/Solid** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
33. cis-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
34. trans-1,3-Dichloropropene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
35. Ethylbenzene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
36. Ethylene Dibromide	U		µg/kg	22	1.0	12/06/10	V910L06A	12/06/10	V910L06B
37. 2-Hexanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
38. Isopropylbenzene	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
39. Methyl Iodide	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
40. Methylene Chloride	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
41. 2-Methylnaphthalene (NN)	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
42. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	12/06/10	V910L06A	12/06/10	V910L06B
43. MTBE	U		µg/kg	250	1.0	12/06/10	V910L06A	12/06/10	V910L06B
44. Naphthalene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
45. n-Propylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
46. Styrene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
47. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
48. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
49. Tetrachloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
50. Toluene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
51. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	12/06/10	V910L06A	12/06/10	V910L06B
52. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
53. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
54. Trichloroethene	U		µg/kg	50	1.0	12/06/10	V910L06A	12/06/10	V910L06B
55. Trichlorofluoromethane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
56. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
57. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
58. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
59. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	12/06/10	V910L06A	12/06/10	V910L06B
60. Vinyl Chloride	U		µg/kg	40	1.0	12/06/10	V910L06A	12/06/10	V910L06B
61. Xylenes	U		µg/kg	150	1.0	12/06/10	V910L06A	12/06/10	V910L06B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB26 0.25-2'**	Chain of Custody:	**102685**
Client Project Name:	**Klein Tool**	Sample No:	**27**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Soil/Solid**	Collect Time:	**14:15**

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87) — **Aliquot ID: 42307-027** — **Matrix: Soil/Solid** — **Analyst: BMG**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	**9.9**		%	0.1	1.0	12/03/10	MC101203	12/06/10	MC101203

Trace Elements by ICP/MS (EPA 3050B/EPA 6020A) — **Aliquot ID: 42307-027** — **Matrix: Soil/Solid** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**2800**		µg/kg	100	20	12/08/10	PT10L08I	12/09/10	T210L09D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP2**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**29**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-029A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	U		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-029A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-029** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08B	12/08/10	V910L08B
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
12. tert-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP2**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**29**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-029** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
53. Trichloroethene	1.1		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-029B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**DUP2**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**29**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-029B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB5**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**28**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**08:45**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-028A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	U		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-028A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-028** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08B	12/08/10	V910L08B
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
12. tert-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB5**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**28**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**08:45**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-028** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
53. Trichloroethene	1.1		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-028B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB5**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**28**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**08:45**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-028B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB3**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**30**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**09:15**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-030A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	**32**		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	**29**		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	**120**		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Chromium, Hexavalent, Dissolved (EPA 7196A) — **Aliquot ID: 42307-030C** — **Matrix: Ground Water** — **Analyst: DMS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Chromium VI	U		µg/L	5.0	1.0	NA	NA	12/03/10 08:48	WF10L03A

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-030A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-030** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08B	12/08/10	V910L08B
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
12. tert-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB3**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**30**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**09:15**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-030** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
53. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB3**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**30**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**09:15**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-030B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB9**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**31**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**10:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-031A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	**7.9**		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	**7.8**		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-031A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-031** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08B	12/08/10	V910L08B
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
12. tert-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB9**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**31**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**10:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-031** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08B	12/08/10	V910L08B
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
53. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08B	12/08/10	V910L08B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-031B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB9**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**31**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**10:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-031B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/07/10	S110L07A

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: 42307
Laboratory Sample Number: 42307-032

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**32**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**10:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) **Aliquot ID: 42307-032A** **Matrix: Ground Water** **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**15**		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	**9.9**		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	**62**		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) **Aliquot ID: 42307-032A** **Matrix: Ground Water** **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-032** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**32**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**10:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-032** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	**1.1**		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	**1.8**		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-032B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB7**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**32**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**10:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-032B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB12**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**33**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**11:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-033A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**7.2**		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	**8.5**		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-033A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-033** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Fibertec environmental services

Analytical Laboratory Report
Laboratory Project Number: 42307
Laboratory Sample Number: 42307-033

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB12**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**33**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**11:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-033** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	1.4		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-033B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB12**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**33**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**11:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-033B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.1	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.1	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.1	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.1	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.1	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.1	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.2	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.1	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.1	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB14**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**34**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**11:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-034A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	5.3		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	U		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-034A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-034** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB14**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**34**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**11:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-034** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	**5.5**		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	**6.6**		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	**2.2**		µg/L	1.0	1.0	12/09/10	V910L09A	12/09/10	V910L09A
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-034B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB14**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**34**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**11:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-034B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB16**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**35**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**12:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) **Aliquot ID: 42307-035A** **Matrix: Ground Water** **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	28		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) **Aliquot ID: 42307-035A** **Matrix: Ground Water** **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-035** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB16**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**35**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**12:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-035** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	1.9		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-035B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB16**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**35**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**12:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-035B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB20**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**36**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**13:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-036A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	U		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Chromium, Hexavalent, Dissolved (EPA 7196A) — **Aliquot ID: 42307-036C** — **Matrix: Ground Water** — **Analyst: DMS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Chromium VI	U		µg/L	5.0	1.0	NA	NA	12/03/10 08:49	WF10L03A

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-036A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-036** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB20**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**36**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**13:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-036** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB20**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**36**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**13:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-036B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB18**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**37**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:10**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-037A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	10		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-037A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-037** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB18**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**37**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:10**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-037** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-037B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB18**	Chain of Custody:	**103171**
Client Project Name:	**Klein Tool**	Sample No:	**37**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:10**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-037B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB24**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**38**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-038A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	U		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-038A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-038** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB24**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**38**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-038** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	1.2		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-038B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB24**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**38**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-038B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.1	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB23**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**39**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**15:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-039A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	U		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	U		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-039A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-039** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB23**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**39**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**15:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-039** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-039B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB23**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**39**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**15:20**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-039B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**TRIP BLANK**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**40**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-040** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**TRIP BLANK**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**40**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**NA**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-040** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
61. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**FIELD BLANK**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**41**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42307-041A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	**6.7**		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	U		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42307-041A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42307-041** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
2. Acrylonitrile	U		µg/L	2.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
3. Benzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
4. Bromobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
5. Bromochloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
7. Bromoform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
8. Bromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
9. 2-Butanone	U		µg/L	25	1.0	12/08/10	V910L08D	12/09/10	V910L08D
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
12. tert-Butylbenzene	U	J,V-	µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
15. Chlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
16. Chloroethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
17. Chloroform	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
18. Chloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
22. Dibromomethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**FIELD BLANK**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**41**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42307-041** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
35. Ethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
37. 2-Hexanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
39. Methyl Iodide	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
40. Methylene Chloride	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/08/10	V910L08D	12/09/10	V910L08D
42. MTBE	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
43. Naphthalene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
45. Styrene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
49. Toluene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
53. Trichloroethene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D
60. Xylenes	U		µg/L	3.0	1.0	12/08/10	V910L08D	12/09/10	V910L08D

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-041B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
2. Acenaphthylene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**FIELD BLANK**	Chain of Custody:	**103172**
Client Project Name:	**Klein Tool**	Sample No:	**41**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**14:30**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42307-041B** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
4. Benzo(a)anthracene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
5. Benzo(a)pyrene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
6. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
7. Benzo(ghi)perylene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
8. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
9. Chrysene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
10. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
11. Fluoranthene	U		µg/L	1.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
12. Fluorene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
15. Phenanthrene	U		µg/L	2.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A
16. Pyrene	U		µg/L	5.0	1.0	12/07/10	PS10L07E	12/08/10	S310L08A

Definitions/ Qualifiers:

A: Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QA limits

Exception Summary:

L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V- : Recovery in the associated continuing calibration verification sample (CCV) exceeds the lower control limit. Results may be biased low.

ACCREDITED IN ACCORDANCE WITH nelac
Accreditation Number:
100312

Fibertec environmental services

Quality Control Summary
Wet Chemistry Department
Hexavalent Chromium, Colorimetric - Liquid

Preparation Method:	Not applicable	**Analysis Method:**	EPA 7196A/SM 3500-Cr B.
Preparation Batch:	Not applicable	**Analysis Batch:**	WF10L03A-CR6
Preparation Date:	Not applicable	**Analysis Date:**	12/3/2010
Preparer:	Not applicable	**Analyst:**	DMS

Method Blank (MB)

	Parameter	CAS #	Result (mg/L)	PQL (mg/L)	Q
1.	Chromium VI	18540-29-9	U	0.005	

Laboratory Control Sample (LCS)

	Parameter	CAS #	Result (mg/L)	PQL (mg/L)	Spike (mg/L)	Rec. (%)	LCL - UCL	Q
1.	Chromium VI	18540-29-9	0.047	0.005	0.050	94%	75 - 125	

Matrix Quality Control Data

Sample used for Matrix QC: **42307-030C**
Sample comments: **None**

Matrix Spike (MS)

	Parameter	CAS #	Sample Result (mg/L)	PQL (mg/L)	MS Result (mg/L)	Spike (mg/L)	Rec. (%)	LCL - UCL	Q
1.	Chromium VI	18540-29-9	U	0.005	0.038	0.050	76%	75 - 125	

Matrix Spike Duplicate (MSD)

	Parameter	CAS #	Sample Result (mg/L)	Sample PQL (mg/L)	MSD Result (mg/L)	Spike (mg/L)	Rec. (%)	LCL - UCL	Q
1.	Chromium VI	18540-29-9	U	0.005	0.039	0.050	78%	75 - 125	

MS/MSD Precision

	Parameter	CAS #	MS Rec (%)	MSD Rec(%)	RPD (%)	UCL	Q
1.	Chromium VI	18540-29-9	76%	78%	3%	20	

PQL = Practical Quantitation Limit. This represents the higher value of either the method detection limit or the lowest calibration point for the analysis.
U = Result below PQL * = Recovery exceeds control limits.

Dana WSM 12/9/10
Laboratory Approval/Date

ZM 12/6/10
Quality Assurance Review/Date

Fibertec environmental services

Quality Control Report
Preparation Batch QC Summary
Semivolatile Organics by GC/MS
Soil/Solid

Batch ID: PS10L08A
Page: 1 of 1
Date: 12/09/10

Preparation Batch: PS10L08A **Preparation Date: 12/08/10**

Parameter	Method Blank (MB) Result µg/kg	PQL µg/kg	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Acenaphthene	U	33.3		2160	2670	81	44 - 132						MB-1	LCS-1	
2. Acenaphthylene	U	33.3		2260	2670	85	45 - 132						MB-1	LCS-1	
3. Anthracene	U	33.3		2360	2670	89	46 - 131						MB-1	LCS-1	
4. Benzo(a)anthracene	U	33.3		2430	2670	91	48 - 134						MB-1	LCS-1	
5. Benzo(a)pyrene	U	33.3		2580	2670	96	44 - 142						MB-1	LCS-1	
6. Benzo(b)fluoranthene	U	33.3		2560	2670	96	45 - 142						MB-1	LCS-1	
7. Benzo(ghi)perylene	U	33.3		2290	2670	86	36 - 149						MB-1	LCS-1	
8. Benzo(k)fluoranthene	U	33.4		2490	2670	93	43 - 143						MB-1	LCS-1	
9. Chrysene	U	33.4		2270	2670	85	39 - 132						MB-1	LCS-1	
10. Dibenzo(a,h)anthracene	U	66.7		2240	2670	84	41 - 142						MB-1	LCS-1	
11. Fluoranthene	U	33.3		2560	2670	96	48 - 143						MB-1	LCS-1	
12. Fluorene	U	33.3		2220	2670	83	46 - 133						MB-1	LCS-1	
13. Indeno(1,2,3-cd)pyrene	U	66.7		2130	2670	80	40 - 147						MB-1	LCS-1	
14. 2-Methylnaphthalene	U	33.3		2170	2670	81	27 - 120						MB-1	LCS-1	
15. Naphthalene	U	33.3		2420	2670	91	37 - 125						MB-1	LCS-1	
16. Phenanthrene	U	33.3		2340	2670	88	46 - 136						MB-1	LCS-1	
17. Pyrene	U	33.3		2620	2670	98	47 - 143						MB-1	LCS-1	

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/kg	Spike µg/kg	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. 2-Fluorobiphenyl(S)	2170	2670	81		2240	2670	84	28 - 123						MB-1	LCS-1	
2. Nitrobenzene-d5(S)	2190	2670	82		2290	2670	86	28 - 126						MB-1	LCS-1	
3. 4-Terphenyl-d14(S)	2220	2670	83		2240	2670	84	41 - 148						MB-1	LCS-1	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	S110L08A	12/08/10 13:02
LCS-1	S110L08A	12/08/10 13:47

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Tammy M. Coffman

Tammy Coffman
Chemist, Semivolatile Organics
Thursday, December 09, 2010
10:59:33 AM

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Environmental
Services

QUALITY ASSURANCE REPORT
for
LABORATORY BATCH NUMBER

ps10L07b

SEMI-VOLATILES

Sample Matrix :	SOIL/SOLID	Preparation Method :	SW-846 3550B	Analytical Method :	SW-846 8082A
Inclusive Projects :	VARIOUS	Preparation Date :	12/7/2010	Analysis Date :	12/8/2010
		Preparer(s) Initials:	DW	Analyst(s) Initials :	BDA

			Matrix Blank		Laboratory Control Sample (LCS)						MATRIX SPIKE / MATRIX SPIKE DUPLICATE (MS / MSD)													
Analyte	RL	Units	Conc. (ug/Kg) (%**)	Flag	Conc. Spiked (ug/Kg)	LCS Conc. (ug/Kg)	LCS Percent Recovery	LCL (%)	UCL (%)	Flag	Laboratory Sample ID	Sample Conc.W (ug/Kg)	Conc.W Spiked (ug/Kg)	MS Conc.W (ug/Kg)	MSD Conc.W (ug/Kg)	MS Percent Recovery	MSD Percent Recovery	LCL (%)	UCL (%)	Flag	RPD MS/MSD (%)	UCL (%)	Flag
TCMX (S)	33.0	µg/Kg	80		33.0	27.7	84	42	133		42307-016	30.7	33.0	31.0	31.0	94	94	42	133		0	30	
Aroclor 1016	330	µg/Kg	U		660	631	96	60	122		42307-016	U	660	701	696	106	105	60	122		1	30	
Aroclor 1260	330	µg/Kg	U		660	649	98	70	131		42307-016	U	660	635	621	96	94	70	131		2	30	
DCB (S)	33.0	µg/Kg	83		33.0	30.7	93	40	143		42307-016	27.4	33.0	28.4	28.4	86	86	40	143		0	30	

Codes,Flags :

U	The analyte was not detected at or above the quantitation limit.
E	The analyte was detected at a concentration greater than the calibration range; therefore the result is estimated.
*	The value is outside quality control limits
W	Result is always reported as "wet weight".
J	The analyte was detected at a conc. below the quant. limit but above the method detection limit.
B	The analyte was detected in the associated method blank.
X	Matrix interference has resulted in an elevated reporting limit or distorted QC result.
A	Spike recovery or precision unusable due to dilution.

Comments :
**DCB (S) is added to all samples at 33.0 ug/Kg, and is therefore presented as a percent recovery in the reagent blank.
Calculation factor = #/1.5

Bethany D. Arnett
Chemist/Date
12-16-10

Quality Assurance Officer/Date 12/16/10

1914 Holloway Drive, Holt, Michigan 48842 — Telephone: (517) 699-0345 — Facsimile: (517) 699-0388
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Fibertec environmental services

Quality Control Report
Preparation Batch QC Summary
Trace Elements by ICP/MS
Aqueous

Batch ID: PT10L08H
Page: 1 of 1
Date: 12/09/10

Preparation Batch: PT10L08H **Preparation Date: 12/08/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Aluminum	46.3	10.0	*	514	500	103	85 - 115						MB-4	LCS-4	
2. Antimony	0.637	0.557	*	90.5	100	91	85 - 115						MB-4	LCS-4	
3. Arsenic	U	0.200		98.1	100	98	85 - 115						MB-4	LCS-4	
4. Barium	U	10.0		478	500	96	85 - 115						MB-4	LCS-4	
5. Beryllium	U	0.253		93.4	100	93	85 - 115						MB-4	LCS-4	
6. Boron	U	10.0		95.9	100	96	85 - 115						MB-4	LCS-4	
7. Cadmium	U	0.200		93.4	100	93	85 - 115						MB-4	LCS-4	
8. Chromium	U	0.830		186	200	93	85 - 115						MB-4	LCS-4	
9. Cobalt	U	0.200		104	100	104	85 - 115						MB-4	LCS-4	
10. Copper	0.548	0.461	*	200	200	100	85 - 115						MB-4	LCS-4	
11. Lead	U	0.400		192	200	96	85 - 115						MB-4	LCS-4	
12. Lithium	U	2.00		93.3	100	93	85 - 115						MB-4	LCS-4	
13. Manganese	U	10.0		548	500	110	85 - 115						MB-4	LCS-4	
14. Nickel	U	4.00		202	200	101	85 - 115						MB-4	LCS-4	
15. Selenium	U	2.00		99.1	100	99	85 - 115						MB-4	LCS-4	
16. Silver	U	0.200		91.0	100	91	85 - 115						MB-4	LCS-4	
17. Strontium	U	0.914		104	100	104	85 - 115						MB-4	LCS-4	
18. Thallium	U	0.200		93.2	100	93	85 - 115						MB-4	LCS-4	
19. Tin	U	0.988		93.5	100	93	85 - 115						MB-4	LCS-4	
20. Titanium	U	4.00		93.3	100	93	85 - 115						MB-4	LCS-4	
21. Vanadium	U	4.00		92.9	100	93	85 - 115						MB-4	LCS-4	
22. Zinc	10.3	10.0	*	500	500	100	85 - 115						MB-4	LCS-4	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-4	T210L08B	12/08/10 17:47
LCS-4	T210L08B	12/08/10 17:49

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

J Haney

Jeri Haney
Group Leader, Trace Metals
Thursday, December 09, 2010
9:42:02 AM

1914 Holloway Drive, Holt, MI 48842, T: (517) 699-0345, F: (517) 699-0388
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Fibertec environmental services

Quality Control Report
Preparation Batch QC Summary
Trace Elements by ICP/MS
Soil/Solid

Batch ID: PT10L08I
Page: 1 of 1
Date: 12/10/10

Preparation Batch: PT10L08I **Preparation Date: 12/08/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Aluminum	U	1000		48100	50000	96	85 - 115						MB-1	LCS-1	
2. Antimony	2380	20.0	*	9560	10000	96	85 - 115						MB-1	LCS-1	
3. Arsenic	U	20.0		9740	10000	97	85 - 115						MB-1	LCS-1	
4. Barium	U	1000		47400	50000	95	85 - 115						MB-1	LCS-1	
5. Beryllium	U	43.5		9780	10000	98	85 - 115						MB-1	LCS-1	
6. Boron	U	1000		9620	10000	96	85 - 115						MB-1	LCS-1	
7. Cadmium	U	20.0		9460	10000	95	85 - 115						MB-1	LCS-1	
8. Chromium	U	54.7		19200	20000	96	85 - 115						MB-1	LCS-1	
9. Cobalt	U	20.0		9540	10000	95	85 - 115						MB-1	LCS-1	
10. Copper	U	40.0		19100	20000	95	85 - 115						MB-1	LCS-1	
11. Lead	U	40.0		19000	20000	95	85 - 115						MB-1	LCS-1	
12. Lithium	U	200		9960	10000	100	85 - 115						MB-1	LCS-1	
13. Manganese	U	1000		47300	50000	95	85 - 115						MB-1	LCS-1	
14. Nickel	U	400		19300	20000	97	85 - 115						MB-1	LCS-1	
15. Selenium	U	200		9410	10000	94	85 - 115						MB-1	LCS-1	
16. Silver	61.0	20.0	*	9310	10000	93	85 - 115						MB-1	LCS-1	
17. Strontium	U	34.1		9660	10000	97	85 - 115						MB-1	LCS-1	
18. Thallium	60.8	20.0	*	9470	10000	95	85 - 115						MB-1	LCS-1	
19. Tin	355	23.4	*	9420	10000	94	85 - 115						MB-1	LCS-1	
20. Titanium	U	400		9820	10000	98	85 - 115						MB-1	LCS-1	
21. Vanadium	U	400		9410	10000	94	85 - 115						MB-1	LCS-1	
22. Zinc	U	1000		45800	50000	92	85 - 115						MB-1	LCS-1	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	T210L09D	12/09/10 15:26
LCS-1	T210L09D	12/09/10 15:27

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

J Haney

Jeri Haney
Group Leader, Trace Metals
Friday, December 10, 2010
8:23:55 AM

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Quality Control Report
Preparation Batch QC Summary
Mercury by CVAAS
Soil/Solid

Batch ID: PM10L08A
Page: 1 of 1
Date: 12/09/10

Preparation Batch: PM10L08A **Preparation Date: 12/08/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Mercury	U	20.0		218	200	109	85 - 115						MB-2	LCS-2	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-2	M410L09A	12/09/10 10:09
LCS-2	M410L09A	12/09/10 10:10

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Michaelia Papranec

Michaelia Papranec
Chemist, Trace Metals
Thursday, December 09, 2010
11:20:33 AM

1914 Holloway Drive, Holt, MI 48842, T: (517) 699-0345, F: (517) 699-0388
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Quality Control Report
Preparation Batch QC Summary
Mercury by CVAAS
Soil/Solid

Batch ID: PM10L08B
Page: 1 of 1
Date: 12/09/10

Preparation Batch: PM10L08B **Preparation Date: 12/08/10**

Parameter	Method Blank (MB) Result µg/kg	PQL µg/kg	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Mercury	U	20.0		210	200	105	85 - 115						MB-1	LCS-1	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	M410L09A	12/09/10 09:23
LCS-1	M410L09A	12/09/10 09:25

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Michaelia Papranec

Michaelia Papranec
Chemist, Trace Metals
Thursday, December 09, 2010
11:20:33 AM

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Quality Control Report
Preparation Batch QC Summary
Mercury by CVAAS
Aqueous

Batch ID: PM10L08
Page: 1 of 1
Date: 12/09/10

Preparation Batch: PM10L08C **Preparation Date: 12/08/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL		Result	Spike	Rec.	LCL - UCL		Rec.	RPD	UCL				
Parameter	µg/L	µg/L	Q	µg/L	µg/L	%	%	Q	%	%	%	Q	MB	LCS	LCD
1. Mercury	U	0.0400		0.181	0.200	90	85 - 115						MB-1	LCS-1	

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	M410L09B	12/09/10 11:22
LCS-1	M410L09B	12/09/10 11:23

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Michaelia Papranec

Michaelia Papranec
Chemist, Trace Metals
Thursday, December 09, 2010
12:56:22 PM

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Quality Control Report
Preparation Batch QC Summary
Semivolatile Organics by GC/MS
Aqueous

Batch ID: PS10L07E
Page: 1 of 1
Date: 12/08/10

Preparation Batch: PS10L07E **Preparation Date: 12/07/10**

Parameter	Method Blank (MB) Result µg/L	PQL µg/L	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Acenaphthene	U	1.00		58.1	80.0	73	47 - 125		80	10	30		MB-2	LCS-2	LCD-2
2. Acenaphthylene	U	1.00		63.1	80.0	79	46 - 124		88	11	30		MB-2	LCS-2	LCD-2
3. Anthracene	U	1.00		56.7	80.0	71	45 - 131		77	9	30		MB-2	LCS-2	LCD-2
4. Benzo(a)anthracene	U	1.00		55.8	80.0	70	43 - 133		77	10	30		MB-2	LCS-2	LCD-2
5. Benzo(a)pyrene	U	1.00		59.4	80.0	74	46 - 134		82	10	30		MB-2	LCS-2	LCD-2
6. Benzo(b)fluoranthene	U	1.00		59.3	80.0	74	45 - 136		83	11	30		MB-2	LCS-2	LCD-2
7. Benzo(ghi)perylene	U	1.00		55.5	80.0	69	37 - 140		77	10	30		MB-2	LCS-2	LCD-2
8. Benzo(k)fluoranthene	U	1.00		51.6	80.0	65	44 - 135		72	11	30		MB-2	LCS-2	LCD-2
9. Chrysene	U	1.00		47.4	80.0	59	35 - 131		65	9	30		MB-2	LCS-2	LCD-2
10. Dibenzo(a,h)anthracene	U	2.00		56.7	80.0	71	40 - 139		79	11	30		MB-2	LCS-2	LCD-2
11. Fluoranthene	U	1.00		60.0	80.0	75	48 - 137		84	11	30		MB-2	LCS-2	LCD-2
12. Fluorene	U	1.00		58.1	80.0	73	59 - 121		83	13	30		MB-2	LCS-2	LCD-2
13. Indeno(1,2,3-cd)pyrene	U	1.00		60.8	80.0	76	38 - 145		86	12	30		MB-2	LCS-2	LCD-2
14. 2-Methylnaphthalene	U	1.00		53.3	80.0	67	39 - 105		76	13	30		MB-2	LCS-2	LCD-2
15. Naphthalene	U	1.00		57.9	80.0	72	33 - 117		82	13	30		MB-2	LCS-2	LCD-2
16. Phenanthrene	U	1.00		58.0	80.0	73	54 - 120		80	10	30		MB-2	LCS-2	LCD-2
17. Pyrene	U	1.00		60.8	80.0	76	52 - 115		82	8	30		MB-2	LCS-2	LCD-2

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/L	Spike µg/L	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. 2-Fluorobiphenyl(S)	54.1	80.0	68		53.3	80.0	67	11 - 118		72	8	30		MB-2	LCS-2	LCD-2
2. Nitrobenzene-d5(S)	9.88	80.0	12		8.22	80.0	10	10 - 96		11	10	30		MB-2	LCS-2	LCD-2
3. 4-Terphenyl-d14(S)	49.3	80.0	62		52.0	80.0	65	17 - 136		72	10	30		MB-2	LCS-2	LCD-2

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
*: Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-2	S310L07A	12/07/10 16:12
LCS-2	S310L07A	12/07/10 17:04
LCD-2	S310L07A	12/07/10 17:57

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Tammy M. Coffman

Tammy Coffman
Chemist, Semivolatile Organics
Wednesday, December 08, 2010
1:49:27 PM

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Fibertec environmental services

Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Preparation Batch: V910L03C **Preparation Date:** 12/03/10

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	124	50.0	*	7810	5000	156	40 - 207		159	2	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	50.0		8410	5000	168	45 - 180		161	5	20		MB-1	LCS-1	LCD-1
3. Benzene	U	25.0		5890	5000	118	63 - 141		115	2	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	25.0		5900	5000	118	70 - 144		117	1	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	25.0		8310	5000	166	42 - 161	*	161	3	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	25.0		5630	5000	113	60 - 150		110	3	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	25.0		4590	5000	92	50 - 117		88	4	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	100		8350	5000	167	58 - 217		157	6	20		MB-1	LCS-1	LCD-1
9. 2-Butanone	U	100		7650	5000	153	42 - 193		143	7	20		MB-1	LCS-1	LCD-1
10. tert-Butyl Alcohol	U	250		6330	5000	127	42 - 156		115	9	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	25.0		5580	5000	112	65 - 151		108	3	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	25.0		5480	5000	110	68 - 147		107	2	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	25.0		4450	5000	89	68 - 140		109	21	20	*	MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	25.0		5820	5000	116	36 - 143		114	2	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	25.0		4690	5000	94	50 - 159		94	0	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	25.0		5010	5000	100	72 - 135		98	2	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	250		8460	5000	169	16 - 207		163	4	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	25.0		6550	5000	131	47 - 159		127	3	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	100		9210	5000	184	14 - 185		183	1	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	25.0		5620	5000	112	73 - 141		110	2	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	25.0		5630	5000	113	62 - 137		111	1	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	25.0		5090	5000	102	59 - 130		99	3	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane	U	25.0		5370	5000	107	34 - 164		104	4	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	25.0		4270	5000	85	66 - 134		82	4	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	25.0		4950	5000	99	76 - 128		96	3	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	25.0		4870	5000	97	72 - 136		95	2	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	25.0		4750	5000	95	74 - 127		93	2	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene	U	50.0		5760	5000	115	56 - 153		119	3	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	25.0		7510	5000	150	10 - 207		146	3	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	25.0		7540	5000	151	42 - 157		146	3	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	50.0		11600	10000	116	56 - 146		114	2	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	25.0		7480	5000	150	34 - 165		147	2	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	25.0		6670	5000	133	43 - 170		130	3	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	25.0		7500	5000	150	49 - 162		147	2	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	25.0		6820	5000	136	62 - 151		133	2	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	25.0		6010	5000	120	77 - 132		117	3	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	25.0		4380	5000	88	52 - 169		87	1	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	25.0		6690	5000	134	52 - 153		131	2	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	25.0		5770	5000	115	45 - 156		113	2	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	25.0		5560	5000	111	40 - 157		109	2	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	25.0		8010	5000	160	30 - 167		154	4	20		MB-1	LCS-1	LCD-1
42. Ethyl Methacrylate	U	25.0		6040	5000	121	80 - 132		90	29	20	*	MB-1	LCS-1	LCD-1
43. Ethylbenzene	U	25.0		5330	5000	107	76 - 137		105	2	20		MB-1	LCS-1	LCD-1
44. Ethylene Dibromide	U	20.0		10200	10000	102	71 - 133		99	3	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide, Low-level	U	10.0		10200	10000	102	70 - 130		99	3	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	25.0		4460	5000	89	79 - 142		80	11	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	50.0		4400	5000	88	42 - 151		84	4	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	100		6680	5000	134	29 - 211		126	6	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	25.0		5090	5000	102	68 - 153		100	2	20		MB-1	LCS-1	LCD-1
50. p-Isopropyltoluene	U	25.0		5190	5000	104	75 - 139		101	2	20		MB-1	LCS-1	LCD-1
51. Methacrylonitrile	U	100		8090	5000	162	70 - 130	*	156	3	20		MB-1	LCS-1	LCD-1
52. Methyl Iodide	U	25.0		6220	5000	124	17 - 150		119	4	20		MB-1	LCS-1	LCD-1

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Fibertec environmental services

Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: V910L03C
Page: 2 of 2
Date: 12/06/10

Preparation Batch: V910L03C **Preparation Date: 12/03/10**

Parameter	Method Blank (MB) Result µg/kg	Q	PQL µg/kg	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
53. Methyl Methacrylate	U		25.0	6650	5000	133	70 - 130	*	128	4	20		MB-1	LCS-1	LCD-1
54. Methylene Chloride	U		25.0	7840	5000	157	38 - 180		151	4	20		MB-1	LCS-1	LCD-1
55. 2-Methylnaphthalene	U		50.0	4650	5000	93	42 - 202		88	6	20		MB-1	LCS-1	LCD-1
56. 4-Methyl-2-pentanone	U		50.0	7050	5000	141	55 - 161		133	6	20		MB-1	LCS-1	LCD-1
57. MTBE	U		50.0	14300	10000	143	58 - 147		139	3	20		MB-1	LCS-1	LCD-1
58. Naphthalene	U		25.0	5050	5000	101	45 - 180		97	4	20		MB-1	LCS-1	LCD-1
59. Propionitrile	U		250	8030	5000	161	70 - 130	*	149	7	20		MB-1	LCS-1	LCD-1
60. n-Propylbenzene	U		25.0	5820	5000	116	71 - 146		115	2	20		MB-1	LCS-1	LCD-1
61. Styrene	U		25.0	5310	5000	106	72 - 138		106	0	20		MB-1	LCS-1	LCD-1
62. 1,1,1,2-Tetrachloroethane	U		25.0	4840	5000	97	61 - 131		95	2	20		MB-1	LCS-1	LCD-1
63. 1,1,2,2-Tetrachloroethane	U		25.0	6490	5000	130	72 - 145		125	4	20		MB-1	LCS-1	LCD-1
64. Tetrachloroethene	U		10.0	4270	5000	85	50 - 151		84	2	20		MB-1	LCS-1	LCD-1
65. Tetrahydrofuran	U		50.0	8290	5000	166	28 - 169		158	5	20		MB-1	LCS-1	LCD-1
66. Toluene	U		25.0	5310	5000	106	65 - 144		104	2	20		MB-1	LCS-1	LCD-1
67. 1,2,3-Trichlorobenzene	U		25.0	4390	5000	88	50 - 161		85	4	20		MB-1	LCS-1	LCD-1
68. 1,2,4-Trichlorobenzene	U		25.0	4600	5000	92	54 - 152		86	7	20		MB-1	LCS-1	LCD-1
69. 1,1,1-Trichloroethane	U		25.0	5860	5000	117	46 - 156		116	1	20		MB-1	LCS-1	LCD-1
70. 1,1,2-Trichloroethane	U		25.0	5420	5000	108	80 - 129		105	3	20		MB-1	LCS-1	LCD-1
71. Trichloroethene	U		25.0	5210	5000	104	65 - 144		103	2	20		MB-1	LCS-1	LCD-1
72. Trichlorofluoromethane	U		25.0	5520	5000	110	31 - 226		103	7	20		MB-1	LCS-1	LCD-1
73. 1,2,3-Trichloropropane	U		25.0	5590	5000	112	74 - 139		108	3	20		MB-1	LCS-1	LCD-1
74. 1,1,2-Trichloro-1,2,2-trifluoroethane	U		25.0	6120	5000	122	52 - 156		120	2	20		MB-1	LCS-1	LCD-1
75. 1,2,3-Trimethylbenzene	U		25.0	5430	5000	109	77 - 133		105	3	20		MB-1	LCS-1	LCD-1
76. 1,2,4-Trimethylbenzene	U		25.0	5490	5000	110	71 - 139		108	2	20		MB-1	LCS-1	LCD-1
77. 1,3,5-Trimethylbenzene	U		25.0	5400	5000	108	71 - 138		107	1	20		MB-1	LCS-1	LCD-1
78. Vinyl Chloride	U		25.0	8020	5000	160	25 - 189		150	7	20		MB-1	LCS-1	LCD-1
79. m&p-Xylene	U		50.0	10600	10000	106	69 - 134		103	2	20		MB-1	LCS-1	LCD-1
80. o-Xylene	U		25.0	5450	5000	109	69 - 134		110	1	20		MB-1	LCS-1	LCD-1

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/kg	Spike µg/kg	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Dibromofluoromethane(S)	3730	3750	99		3970	3750	106	53 - 139		99	7	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	3580	3750	96		3730	3750	99	64 - 135		94	5	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	3350	3750	89		3560	3750	95	70 - 130		89	6	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	3220	3750	86		3430	3750	91	71 - 129		87	5	20		MB-1	LCS-1	LCD-1

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	V910L03C	12/04/10 17:11
LCS-1	V910L03C	12/04/10 15:49
LCD-1	V910L03C	12/04/10 16:16

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Joanna Wieland
Chemist, Volatile Organics
Monday, December 06, 2010
12:26:43 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Preparation Batch: V910L06B **Preparation Date: 12/06/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	50.0		7190	5000	144	40 - 207		130	10	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	50.0		8310	5000	166	45 - 180		158	5	20		MB-1	LCS-1	LCD-1
3. Benzene	U	25.0		6510	5000	130	63 - 141		121	7	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	25.0		5910	5000	118	70 - 144		115	3	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	25.0		8210	5000	164	42 - 161	*	157	4	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	25.0		5810	5000	116	60 - 150		111	5	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	25.0		4570	5000	91	50 - 117		91	0	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	100		10100	5000	202	58 - 217		189	7	20		MB-1	LCS-1	LCD-1
9. 2-Butanone	U	100		7260	5000	145	42 - 193		148	2	20		MB-1	LCS-1	LCD-1
10. tert-Butyl Alcohol	U	250		5870	5000	117	42 - 156		106	11	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	25.0		5780	5000	116	65 - 151		113	2	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	25.0		5570	5000	111	68 - 147		108	3	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	25.0		4950	5000	99	68 - 140		97	2	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	25.0		7550	5000	151	36 - 143	*	143	6	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	25.0		5090	5000	102	50 - 159		95	7	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	25.0		5230	5000	105	72 - 135		100	4	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	250		11400	5000	228	16 - 207	*	217	5	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	25.0		6500	5000	130	47 - 159		124	5	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	100		9500	5000	190	14 - 185	*	177	7	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	25.0		5630	5000	113	73 - 141		108	4	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	25.0		5670	5000	113	82 - 137		110	3	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	25.0		5180	5000	104	59 - 130		100	3	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane	U	25.0		5200	5000	104	34 - 164		104	0	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	25.0		4610	5000	92	66 - 134		89	3	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	25.0		4980	5000	100	76 - 128		99	1	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	25.0		5060	5000	101	72 - 136		99	2	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	25.0		4920	5000	98	74 - 127		95	3	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene	U	50.0		7160	5000	143	56 - 153		129	11	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	25.0		7590	5000	152	10 - 207		143	6	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	25.0		7670	5000	153	42 - 157		144	6	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	50.0		11600	10000	116	56 - 146		111	4	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	25.0		7820	5000	156	34 - 165		145	8	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	25.0		7130	5000	143	43 - 170		135	6	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	25.0		7900	5000	158	49 - 162		152	4	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	25.0		7280	5000	146	62 - 151		136	7	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	25.0		5960	5000	119	77 - 132		115	4	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	25.0		8130	5000	163	52 - 169		155	5	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	25.0		7040	5000	141	52 - 153		133	6	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	25.0		6690	5000	134	45 - 156		127	5	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	25.0		6290	5000	126	40 - 157		121	4	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	25.0		7900	5000	158	30 - 167		154	2	20		MB-1	LCS-1	LCD-1
42. Ethyl Methacrylate	U	25.0		6010	5000	120	80 - 132		117	3	20		MB-1	LCS-1	LCD-1
43. Ethylbenzene	U	25.0		5640	5000	113	76 - 137		108	4	20		MB-1	LCS-1	LCD-1
44. Ethylene Dibromide	U	20.0		10500	10000	105	71 - 133		102	2	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide, Low-level	U	10.0		9990	10000	100	70 - 130		97	2	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	25.0		4650	5000	93	79 - 142		88	6	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	50.0		4220	5000	84	42 - 151		83	1	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	100		6650	5000	133	29 - 211		131	2	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	25.0		5380	5000	108	68 - 153		103	4	20		MB-1	LCS-1	LCD-1
50. p-Isopropyltoluene	U	25.0		5390	5000	108	75 - 139		104	3	20		MB-1	LCS-1	LCD-1
51. Methacrylonitrile	U	100		8090	5000	162	70 - 130	*	159	2	20		MB-1	LCS-1	LCD-1
52. Methyl Iodide	U	25.0		6870	5000	137	17 - 150		126	9	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Preparation Batch: V910L06B **Preparation Date: 12/06/10**

Parameter	Method Blank (MB) Result µg/kg	PQL µg/kg	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
53. Methyl Methacrylate	U	25.0		7250	5000	145	70 - 130	*	137	6	20		MB-1	LCS-1	LCD-1
54. Methylene Chloride	U	25.0		7990	5000	160	38 - 180		152	5	20		MB-1	LCS-1	LCD-1
55. 2-Methylnaphthalene	U	50.0		5050	5000	101	42 - 202		100	1	20		MB-1	LCS-1	LCD-1
56. 4-Methyl-2-pentanone	U	50.0		7360	5000	147	55 - 161		139	5	20		MB-1	LCS-1	LCD-1
57. MTBE	U	50.0		13700	10000	137	58 - 147		134	2	20		MB-1	LCS-1	LCD-1
58. Naphthalene	U	25.0		5040	5000	101	45 - 180		99	2	20		MB-1	LCS-1	LCD-1
59. Propionitrile	U	250		7770	5000	155	70 - 130	*	156	1	20		MB-1	LCS-1	LCD-1
60. n-Propylbenzene	U	25.0		5920	5000	118	71 - 146		116	2	20		MB-1	LCS-1	LCD-1
61. Styrene	U	25.0		5550	5000	111	72 - 138		105	5	20		MB-1	LCS-1	LCD-1
62. 1,1,1,2-Tetrachloroethane	U	25.0		5000	5000	100	61 - 131		97	3	20		MB-1	LCS-1	LCD-1
63. 1,1,2,2-Tetrachloroethane	U	25.0		6090	5000	122	72 - 145		120	1	20		MB-1	LCS-1	LCD-1
64. Tetrachloroethene	U	10.0		4980	5000	100	50 - 151		95	4	20		MB-1	LCS-1	LCD-1
65. Tetrahydrofuran	U	50.0		8550	5000	171	28 - 169	*	164	4	20		MB-1	LCS-1	LCD-1
66. Toluene	U	25.0		5860	5000	117	65 - 144		110	6	20		MB-1	LCS-1	LCD-1
67. 1,2,3-Trichlorobenzene	U	25.0		4520	5000	90	50 - 161		89	1	20		MB-1	LCS-1	LCD-1
68. 1,2,4-Trichlorobenzene	U	25.0		4850	5000	97	54 - 152		94	3	20		MB-1	LCS-1	LCD-1
69. 1,1,1-Trichloroethane	U	25.0		5960	5000	119	46 - 156		114	5	20		MB-1	LCS-1	LCD-1
70. 1,1,2-Trichloroethane	U	25.0		5460	5000	109	80 - 129		107	2	20		MB-1	LCS-1	LCD-1
71. Trichloroethene	U	25.0		5760	5000	115	65 - 144		108	6	20		MB-1	LCS-1	LCD-1
72. Trichlorofluoromethane	U	25.0		6290	5000	126	31 - 226		117	7	20		MB-1	LCS-1	LCD-1
73. 1,2,3-Trichloropropane	U	25.0		5350	5000	107	74 - 139		104	3	20		MB-1	LCS-1	LCD-1
74. 1,1,2-Trichloro-1,2,2-trifluoroethane	U	25.0		6480	5000	130	52 - 156		124	5	20		MB-1	LCS-1	LCD-1
75. 1,2,3-Trimethylbenzene	U	25.0		5390	5000	108	77 - 133		105	3	20		MB-1	LCS-1	LCD-1
76. 1,2,4-Trimethylbenzene	U	25.0		5600	5000	112	71 - 139		109	3	20		MB-1	LCS-1	LCD-1
77. 1,3,5-Trimethylbenzene	U	25.0		5540	5000	111	71 - 138		108	2	20		MB-1	LCS-1	LCD-1
78. Vinyl Chloride	U	25.0		8140	5000	163	25 - 189		154	6	20		MB-1	LCS-1	LCD-1
79. m&p-Xylene	U	50.0		11200	10000	112	69 - 134		106	5	20		MB-1	LCS-1	LCD-1
80. o-Xylene	U	25.0		5820	5000	116	69 - 134		110	6	20		MB-1	LCS-1	LCD-1

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/kg	Spike µg/kg	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Dibromofluoromethane(S)	3580	3750	95		3590	3750	96	63 - 139		97	1	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	3420	3750	91		3450	3750	92	64 - 135		91	1	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	3440	3750	92		3520	3750	94	70 - 130		93	1	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	3290	3750	88		3260	3750	87	71 - 129		89	2	20		MB-1	LCS-1	LCD-1

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	V910L06B	12/06/10 13:27
LCS-1	V910L06B	12/06/10 12:05
LCD-1	V910L06B	12/06/10 12:32

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Joanna Wieland
Chemist, Volatile Organics
Tuesday, December 07, 2010
9:36:28 AM

Joanna Wieland

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: V910L08B
Page: 1 of 2
Date: 12/08/10

Preparation Batch: V910L08B **Preparation Date: 12/08/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	2.00		123	100	123	19 - 165		118	4	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	1.00		125	100	125	43 - 155		124	1	20		MB-1	LCS-1	LCD-1
3. Benzene	U	0.500		123	100	123	69 - 137		121	1	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	0.500		104	100	104	65 - 140		102	2	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	0.500		119	100	119	33 - 141		117	2	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	0.500		105	100	105	84 - 144		105	1	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	0.500		88.9	100	89	66 - 136		91	3	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	1.00		170	100	170	56 - 172		175	3	20		MB-1	LCS-1	LCD-1
9. 2-Butanone	U	1.00		114	100	114	28 - 176		110	3	20		MB-1	LCS-1	LCD-1
10. tert-Butyl Alcohol	U	5.00		88.5	100	88	25 - 157		90	2	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	0.500		98.4	100	98	63 - 149		96	3	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	0.500		100	100	100	61 - 143		98	2	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	0.500		89.0	100	89	70 - 139		76	13	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	0.500		137	100	137	27 - 166		136	0	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	0.500		100	100	100	70 - 140		97	3	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	0.500		100	100	100	88 - 126		101	1	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	2.00		133	100	133	33 - 172		132	1	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	0.500		115	100	115	66 - 138		114	0	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	1.00		175	100	175	45 - 153	*	178	2	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	0.500		99.2	100	99	75 - 137		97	2	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	0.500		97.7	100	98	79 - 137		96	2	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	0.500		95.4	100	95	83 - 127		96	1	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane	U	1.00		82.9	100	83	66 - 134		84	1	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	0.500		103	100	103	67 - 148		101	1	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	0.500		97.9	100	98	71 - 154		95	3	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	0.500		98.7	100	99	74 - 156		96	3	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	0.500		95.3	100	95	89 - 121		94	2	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene	U	0.500		84.4	100	84	47 - 164		84	0	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	1.00		140	100	140	44 - 188		139	1	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	0.500		131	100	131	59 - 145		131	0	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	1.00		216	200	108	66 - 143		106	2	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	0.500		137	100	137	56 - 163		134	2	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	0.699		129	100	129	54 - 161		126	2	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	0.500		133	100	133	56 - 153		131	2	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	0.500		131	100	131	66 - 135		130	0	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	0.500		106	100	106	75 - 136		107	1	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	0.500		103	100	103	53 - 176		101	2	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	0.500		121	100	121	62 - 152		119	2	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	0.500		116	100	116	81 - 144		116	0	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	0.500		108	100	108	66 - 150		109	0	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	0.500		138	100	138	37 - 153		137	1	20		MB-1	LCS-1	LCD-1
42. Ethyl Methacrylate	U	0.500		150	100	150	54 - 150		155	4	20		MB-1	LCS-1	LCD-1
43. Ethylbenzene	U	0.500		104	100	104	88 - 131		103	1	20		MB-1	LCS-1	LCD-1
44. Ethylene Dibromide	U	0.400		197	200	99	86 - 131		100	1	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide, Low-level	U	0.0500		186	200	93	87 - 127		94	1	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	0.500		89.3	100	89	72 - 144		90	1	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	1.00		90.0	100	90	37 - 171		89	1	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	1.00		98.4	100	98	37 - 183		101	3	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	0.500		99.9	100	100	89 - 148		100	0	20		MB-1	LCS-1	LCD-1
50. p-Isopropyltoluene	U	0.500		97.7	100	98	86 - 142		96	2	20		MB-1	LCS-1	LCD-1
51. Methacrylonitrile	U	1.00		126	100	126	45 - 155		124	2	20		MB-1	LCS-1	LCD-1
52. Methyl Iodide	U	0.500		130	100	130	38 - 159		129	1	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Preparation Batch: V910L08B **Preparation Date: 12/08/10**

Parameter	Method Blank (MB) Result µg/L	PQL µg/L	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
53. Methyl Methacrylate	U	3.50		112	100	112	65 - 185		110	2	20		MB-1	LCS-1	LCD-1
54. Methylene Chloride	U	0.500		136	100	136	38 - 149		134	2	20		MB-1	LCS-1	LCD-1
55. 2-Methylnaphthalene	0.512	0.500	*	78.9	100	79	49 - 157		81	3	20		MB-1	LCS-1	LCD-1
56. 4-Methyl-2-pentanone	U	1.00		112	100	112	60 - 152		114	1	20		MB-1	LCS-1	LCD-1
57. MTBE	U	1.00		257	200	128	54 - 144		129	1	20		MB-1	LCS-1	LCD-1
58. Naphthalene	U	0.500		90.5	100	91	64 - 158		90	0	20		MB-1	LCS-1	LCD-1
59. Propionitrile	U	2.00		113	100	113	53 - 143		115	2	20		MB-1	LCS-1	LCD-1
60. n-Propylbenzene	U	0.500		102	100	102	64 - 146		99	3	20		MB-1	LCS-1	LCD-1
61. Styrene	U	0.500		99.5	100	100	79 - 129		98	1	20		MB-1	LCS-1	LCD-1
62. 1,1,1,2-Tetrachloroethane	U	0.500		97.5	100	97	84 - 135		97	0	20		MB-1	LCS-1	LCD-1
63. 1,1,2,2-Tetrachloroethane	U	0.500		99.4	100	99	69 - 141		100	1	20		MB-1	LCS-1	LCD-1
64. Tetrachloroethene	U	0.500		103	100	103	81 - 145		100	3	20		MB-1	LCS-1	LCD-1
65. Tetrahydrofuran	U	2.00		116	100	116	33 - 146		120	2	20		MB-1	LCS-1	LCD-1
66. Toluene	U	0.500		112	100	112	77 - 135		111	1	20		MB-1	LCS-1	LCD-1
67. 1,2,3-Trichlorobenzene	U	0.500		92.4	100	92	74 - 147		92	0	20		MB-1	LCS-1	LCD-1
68. 1,2,4-Trichlorobenzene	U	0.500		93.3	100	93	73 - 152		94	0	20		MB-1	LCS-1	LCD-1
69. 1,1,1-Trichloroethane	U	0.500		106	100	106	69 - 143		104	2	20		MB-1	LCS-1	LCD-1
70. 1,1,2-Trichloroethane	U	0.500		98.0	100	98	84 - 122		99	1	20		MB-1	LCS-1	LCD-1
71. Trichloroethene	U	0.500		109	100	109	72 - 143		108	1	20		MB-1	LCS-1	LCD-1
72. Trichlorofluoromethane	U	0.500		115	100	115	41 - 181		115	0	20		MB-1	LCS-1	LCD-1
73. 1,2,3-Trichloropropane	U	0.500		83.9	100	84	82 - 127		86	3	20		MB-1	LCS-1	LCD-1
74. 1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.500		116	100	116	58 - 161		114	2	20		MB-1	LCS-1	LCD-1
75. 1,2,3-Trimethylbenzene	U	0.500		97.1	100	97	80 - 133		95	2	20		MB-1	LCS-1	LCD-1
76. 1,2,4-Trimethylbenzene	U	0.500		98.0	100	98	81 - 140		96	2	20		MB-1	LCS-1	LCD-1
77. 1,3,5-Trimethylbenzene	U	0.500		98.6	100	99	82 - 140		96	2	20		MB-1	LCS-1	LCD-1
78. Vinyl Chloride	U	0.500		150	100	150	40 - 174		148	2	20		MB-1	LCS-1	LCD-1
79. m&p-Xylene	U	1.00		203	200	102	86 - 133		101	0	20		MB-1	LCS-1	LCD-1
80. o-Xylene	U	0.500		93.3	100	93	85 - 131		96	3	20		MB-1	LCS-1	LCD-1

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/L	Spike µg/L	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Dibromofluoromethane(S)	71.5	75.0	95		66.3	75.0	88	67 - 130		90	1	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	65.7	75.0	88		62.1	75.0	83	58 - 133		83	0	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	71.3	75.0	95		67.1	75.0	90	77 - 114		89	0	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	64.9	75.0	87		60.7	75.0	81	65 - 115		81	0	20		MB-1	LCS-1	LCD-1

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	V910L08B	12/08/10 13:50
LCS-1	V910L08B	12/08/10 14:17
LCD-1	V910L08B	12/08/10 14:44

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Joanna Wieland

Joanna Wieland
Chemist, Volatile Organics
Wednesday, December 08, 2010
4:46:17 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: V310L08B
Page: 1 of 2
Date: 12/09/10

Preparation Batch: V310L08B **Preparation Date: 12/08/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/kg	PQL µg/kg	Q	Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	40.0		2500	2000	125	40 - 207		104	18	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	40.0		1510	2000	76	45 - 180		79	4	20		MB-1	LCS-1	LCD-1
3. Benzene	U	10.0		1780	2000	89	63 - 141		92	3	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	10.0		1900	2000	95	70 - 144		97	2	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	40.0		1800	2000	90	42 - 161		93	3	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	10.0		1740	2000	87	60 - 150		90	3	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	20.0		1820	2000	91	50 - 117		92	2	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	40.0		2610	2000	131	58 - 217		161	21	20	*	MB-1	LCS-1	LCD-1
9. 2-Butanone	U	200		1820	2000	91	42 - 193		93	2	20		MB-1	LCS-1	LCD-1
10. tert-Butyl Alcohol	U	40.0		1500	2000	75	42 - 156		78	4	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	10.0		1940	2000	97	65 - 151		100	3	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	10.0		1950	2000	98	68 - 147		100	2	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	10.0		1860	2000	93	68 - 140		96	3	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	10.0		1910	2000	96	36 - 143		104	8	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	10.0		2040	2000	102	50 - 159		108	5	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	10.0		1900	2000	95	72 - 135		97	2	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	200		2730	2000	136	16 - 207		145	6	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	10.0		1680	2000	84	47 - 159		86	2	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	10.0		1460	2000	74	14 - 185		82	10	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	10.0		1780	2000	89	73 - 141		92	4	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	10.0		1830	2000	91	62 - 137		93	2	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	20.0		1880	2000	94	59 - 130		95	1	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane	U	10.0		1940	2000	97	34 - 164		97	0	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	10.0		2210	2000	111	66 - 134		112	1	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	10.0		1900	2000	95	76 - 128		98	3	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	10.0		1920	2000	96	72 - 136		98	2	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	10.0		1870	2000	94	74 - 127		96	2	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene	U	20.0		1730	2000	87	56 - 153		86	1	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	20.0		2100	2000	105	10 - 207		117	10	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	10.0		1750	2000	88	42 - 157		90	3	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	20.0		3580	4000	90	56 - 146		92	3	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	20.0		2300	2000	115	34 - 165		123	7	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	10.0		1770	2000	89	43 - 170		91	2	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	10.0		1730	2000	86	49 - 162		90	4	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	10.0		1820	2000	91	62 - 151		93	2	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	10.0		1770	2000	88	77 - 132		90	2	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	10.0		1820	2000	91	52 - 169		93	2	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	10.0		1950	2000	97	52 - 153		101	4	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	10.0		1900	2000	95	45 - 156		97	2	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	10.0		1740	2000	87	40 - 157		89	2	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	40.0		1990	2000	100	30 - 167		95	4	20		MB-1	LCS-1	LCD-1
42. Ethylbenzene	U	10.0		1820	2000	91	76 - 137		93	2	20		MB-1	LCS-1	LCD-1
43. Ethylene Dibromide	U	20.0		3710	4000	93	71 - 133		95	3	20		MB-1	LCS-1	LCD-1
44. Hexachlorobutadiene	U	20.0		2420	2000	121	79 - 142		126	4	20		MB-1	LCS-1	LCD-1
45. Hexachloroethane	U	20.0		1800	2000	90	42 - 151		94	4	20		MB-1	LCS-1	LCD-1
46. 2-Hexanone	U	200		1620	2000	81	29 - 211		84	3	20		MB-1	LCS-1	LCD-1
47. Isopropylbenzene	U	10.0		1960	2000	98	68 - 153		102	4	20		MB-1	LCS-1	LCD-1
48. p-Isopropyltoluene	U	10.0		1990	2000	99	75 - 139		102	3	20		MB-1	LCS-1	LCD-1
49. Methyl Iodide	U	40.0		2140	2000	107	17 - 150		108	1	20		MB-1	LCS-1	LCD-1
50. Methylene Chloride	U	20.0		1490	2000	75	38 - 180		80	7	20		MB-1	LCS-1	LCD-1
51. 2-Methylnaphthalene	U	40.0		2150	2000	107	42 - 202		110	3	20		MB-1	LCS-1	LCD-1
52. 4-Methyl-2-pentanone	U	40.0		1520	2000	76	55 - 161		75	2	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Soil/Solid

Batch ID: V310L08B
Page: 2 of 2
Date: 12/09/10

Preparation Batch: V310L08B **Preparation Date: 12/08/10**

Parameter	Method Blank (MB) Result µg/kg	PQL µg/kg	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
53. MTBE	U	20.0		3270	4000	82	58 - 147		83	2	20		MB-1	LCS-1	LCD-1
54. Naphthalene	U	10.0		2090	2000	104	45 - 180		106	2	20		MB-1	LCS-1	LCD-1
55. n-Propylbenzene	U	10.0		1830	2000	92	71 - 146		93	2	20		MB-1	LCS-1	LCD-1
56. Styrene	U	10.0		1910	2000	96	72 - 138		98	2	20		MB-1	LCS-1	LCD-1
57. 1,1,1,2-Tetrachloroethane	U	20.0		1880	2000	94	61 - 131		97	3	20		MB-1	LCS-1	LCD-1
58. 1,1,2,2-Tetrachloroethane	U	20.0		1610	2000	81	72 - 145		83	3	20		MB-1	LCS-1	LCD-1
59. Tetrachloroethene	U	10.0		2210	2000	111	50 - 151		114	3	20		MB-1	LCS-1	LCD-1
60. Tetrahydrofuran	U	200		1380	2000	69	28 - 169		69	0	20		MB-1	LCS-1	LCD-1
61. Toluene	U	10.0		1890	2000	94	65 - 144		97	3	20		MB-1	LCS-1	LCD-1
62. 1,2,3-Trichlorobenzene	U	10.0		1990	2000	100	50 - 161		103	4	20		MB-1	LCS-1	LCD-1
63. 1,2,4-Trichlorobenzene	U	10.0		1990	2000	100	54 - 152		102	2	20		MB-1	LCS-1	LCD-1
64. 1,1,1-Trichloroethane	U	10.0		1860	2000	93	46 - 156		97	4	20		MB-1	LCS-1	LCD-1
65. 1,1,2-Trichloroethane	U	10.0		1700	2000	85	80 - 129		87	2	20		MB-1	LCS-1	LCD-1
66. Trichloroethene	U	10.0		1990	2000	100	65 - 144		105	5	20		MB-1	LCS-1	LCD-1
67. Trichlorofluoromethane	U	40.0		2480	2000	124	31 - 226		131	5	20		MB-1	LCS-1	LCD-1
68. 1,2,3-Trichloropropane	U	20.0		1650	2000	82	74 - 139		82	1	20		MB-1	LCS-1	LCD-1
69. 1,1,2-Trichloro-1,2,2-trifluoroethane	U	40.0		2300	2000	115	52 - 156		121	5	20		MB-1	LCS-1	LCD-1
70. 1,2,3-Trimethylbenzene	U	10.0		1790	2000	90	77 - 133		92	2	20		MB-1	LCS-1	LCD-1
71. 1,2,4-Trimethylbenzene	U	10.0		1850	2000	93	71 - 139		95	2	20		MB-1	LCS-1	LCD-1
72. 1,3,5-Trimethylbenzene	U	10.0		1840	2000	92	71 - 138		93	1	20		MB-1	LCS-1	LCD-1
73. Vinyl Chloride	U	10.0		1690	2000	85	25 - 189		96	13	20		MB-1	LCS-1	LCD-1
74. m&p-Xylene	U	20.0		3620	4000	90	69 - 134		93	3	20		MB-1	LCS-1	LCD-1
75. o-Xylene	U	10.0		1890	2000	94	69 - 134		97	2	20		MB-1	LCS-1	LCD-1

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/kg	Spike µg/kg	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/kg	Spike µg/kg	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Dibromofluoromethane(S)	1020	1000	102		961	1000	96	53 - 139		97	1	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	994	1000	99		951	1000	95	64 - 135		111	15	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	1130	1000	113		1170	1000	117	70 - 130		115	2	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	1060	1000	106		1090	1000	109	71 - 129		108	1	20		MB-1	LCS-1	LCD-1

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	V310L08B	12/08/10 18:34
LCS-1	V310L08B	12/08/10 17:03
LCD-1	V310L08B	12/08/10 17:33

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Joanna Wieland
Chemist, Volatile Organics
Thursday, December 09, 2010
9:40:17 AM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Preparation Batch: V910L08D **Preparation Date: 12/08/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
	Result	PQL		Result	Spike	Rec.	LCL - UCL		Rec.	RPD	UCL				
Parameter	µg/L	µg/L	Q	µg/L	µg/L	%	%	Q	%	%	%	Q	MB	LCS	LCD
1. Acetone	U	2.00		126	100	126	19 - 165		125	1	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	1.00		125	100	125	43 - 155		122	3	20		MB-1	LCS-1	LCD-1
3. Benzene	U	0.500		124	100	124	69 - 137		120	3	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	0.500		104	100	104	65 - 140		103	1	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	0.500		117	100	117	33 - 141		113	4	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	0.500		109	100	109	84 - 144		106	3	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	0.500		96.6	100	97	66 - 136		98	1	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	1.00		167	100	167	56 - 172		156	7	20		MB-1	LCS-1	LCD-1
9. 2-Butanone	U	1.00		115	100	115	28 - 176		115	1	20		MB-1	LCS-1	LCD-1
10. tert-Butyl Alcohol	U	5.00		84.0	100	84	25 - 157		88	5	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	0.500		101	100	101	63 - 149		97	4	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	0.500		103	100	103	61 - 143		100	2	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	0.500		101	100	101	70 - 139		60	51	20	*	MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	0.500		133	100	133	27 - 166		129	3	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	0.500		102	100	102	70 - 140		99	4	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	0.500		105	100	105	88 - 126		103	2	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	2.00		129	100	129	33 - 172		124	4	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	0.500		117	100	117	66 - 138		114	3	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	1.00		151	100	151	45 - 153		147	3	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	0.500		101	100	101	75 - 137		99	2	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	0.500		99.1	100	99	79 - 137		96	3	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	0.500		102	100	102	83 - 127		100	2	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane	U	1.00		94.3	100	94	66 - 134		92	3	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	0.500		110	100	110	67 - 148		106	4	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	0.500		102	100	102	71 - 154		99	3	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	0.500		102	100	102	74 - 156		98	3	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	0.500		99.0	100	99	69 - 121		96	3	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene	U	0.500		83.8	100	84	47 - 164		89	6	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	1.00		135	100	135	44 - 168		131	3	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	0.500		130	100	130	59 - 145		128	2	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	1.00		220	200	110	68 - 143		107	3	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	0.500		134	100	134	56 - 163		130	3	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	0.699		128	100	128	54 - 161		126	2	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	0.500		129	100	129	56 - 153		128	1	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	0.500		135	100	135	66 - 135		130	4	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	0.500		112	100	112	75 - 136		109	3	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	0.500		105	100	105	53 - 176		103	2	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	0.500		122	100	122	62 - 152		118	3	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	0.500		119	100	119	81 - 144		113	5	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	0.500		113	100	113	66 - 150		109	3	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	0.500		138	100	138	37 - 153		134	3	20		MB-1	LCS-1	LCD-1
42. Ethyl Methacrylate	U	0.500		148	100	148	54 - 150		166	12	20		MB-1,	LCS-1	LCD-1
43. Ethylbenzene	U	0.500		107	100	107	88 - 131		104	3	20		MB-1	LCS-1	LCD-1
44. Ethylene Dibromide	U	0.400		209	200	104	86 - 131		103	2	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide, Low-level	U	0.0500		197	200	99	87 - 127		97	2	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	0.500		98.5	100	98	72 - 144		97	1	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	1.00		94.7	100	95	37 - 171		97	2	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	1.00		109	100	109	37 - 183		104	5	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	0.500		105	100	105	69 - 146		103	3	20		MB-1	LCS-1	LCD-1
50. p-Isopropyltoluene	U	0.500		101	100	101	86 - 142		98	2	20		MB-1	LCS-1	LCD-1
51. Methacrylonitrile	U	1.00		131	100	131	45 - 155		125	4	20		MB-1	LCS-1	LCD-1
52. Methyl Iodide	U	0.500		128	100	128	38 - 159		126	1	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Preparation Batch: V910L08D **Preparation Date: 12/08/10**

Parameter	Method Blank (MB) Result µg/L	PQL µg/L	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
53. Methyl Methacrylate	U	3.50		117	100	117	85 - 185		113	4	20		MB-1	LCS-1	LCD-1
54. Methylene Chloride	U	0.500		133	100	133	38 - 149		130	2	20		MB-1	LCS-1	LCD-1
55. 2-Methylnaphthalene	U	0.500		93.5	100	93	49 - 157		94	0	20		MB-1	LCS-1	LCD-1
56. 4-Methyl-2-pentanone	U	1.00		121	100	121	60 - 152		115	5	20		MB-1	LCS-1	LCD-1
57. MTBE	U	1.00		279	200	139	54 - 144		139	0	20		MB-1	LCS-1	LCD-1
58. Naphthalene	U	0.500		99.1	100	99	64 - 158		98	1	20		MB-1	LCS-1	LCD-1
59. Propionitrile	U	2.00		121	100	121	53 - 143		120	1	20		MB-1	LCS-1	LCD-1
60. n-Propylbenzene	U	0.500		103	100	103	64 - 146		101	2	20		MB-1	LCS-1	LCD-1
61. Styrene	U	0.500		106	100	106	79 - 129		100	6	20		MB-1	LCS-1	LCD-1
62. 1,1,1,2-Tetrachloroethane	U	0.500		103	100	103	84 - 135		100	2	20		MB-1	LCS-1	LCD-1
63. 1,1,2,2-Tetrachloroethane	U	0.500		105	100	105	69 - 141		103	2	20		MB-1	LCS-1	LCD-1
64. Tetrachloroethene	U	0.500		106	100	106	81 - 145		103	3	20		MB-1	LCS-1	LCD-1
65. Tetrahydrofuran	U	2.00		123	100	123	33 - 146		124	1	20		MB-1	LCS-1	LCD-1
66. Toluene	U	0.500		115	100	115	77 - 135		110	4	20		MB-1	LCS-1	LCD-1
67. 1,2,3-Trichlorobenzene	U	0.500		102	100	102	74 - 147		102	0	20		MB-1	LCS-1	LCD-1
68. 1,2,4-Trichlorobenzene	U	0.500		99.9	100	100	73 - 152		98	2	20		MB-1	LCS-1	LCD-1
69. 1,1,1-Trichloroethane	U	0.500		106	100	106	69 - 143		105	1	20		MB-1	LCS-1	LCD-1
70. 1,1,2-Trichloroethane	U	0.500		103	100	103	84 - 122		102	1	20		MB-1	LCS-1	LCD-1
71. Trichloroethene	U	0.500		110	100	110	72 - 143		107	3	20		MB-1	LCS-1	LCD-1
72. Trichlorofluoromethane	U	0.500		117	100	117	41 - 181		113	3	20		MB-1	LCS-1	LCD-1
73. 1,2,3-Trichloropropane	U	0.500		90.6	100	91	82 - 127		89	2	20		MB-1	LCS-1	LCD-1
74. 1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.500		118	100	118	58 - 161		116	2	20		MB-1	LCS-1	LCD-1
75. 1,2,3-Trimethylbenzene	U	0.500		100	100	100	80 - 133		97	3	20		MB-1	LCS-1	LCD-1
76. 1,2,4-Trimethylbenzene	U	0.500		99.5	100	100	81 - 140		97	3	20		MB-1	LCS-1	LCD-1
77. 1,3,5-Trimethylbenzene	U	0.500		101	100	101	82 - 140		97	3	20		MB-1	LCS-1	LCD-1
78. Vinyl Chloride	U	0.500		144	100	144	40 - 174		138	4	20		MB-1	LCS-1	LCD-1
79. m&p-Xylene	U	1.00		210	200	105	86 - 133		102	3	20		MB-1	LCS-1	LCD-1
80. o-Xylene	U	0.500		101	100	101	85 - 131		96	5	20		MB-1	LCS-1	LCD-1

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/L	Spike µg/L	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Dibromofluoromethane(S)	67.3	75.0	90		66.5	75.0	89	67 - 130		92	4	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	63.9	75.0	85		63.1	75.0	84	58 - 133		84	1	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	69.2	75.0	92		68.9	75.0	92	77 - 114		91	1	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	62.3	75.0	83		61.7	75.0	82	65 - 115		83	1	20		MB-1	LCS-1	LCD-1

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	V910L08D	12/09/10 01:07
LCS-1	V910L08D	12/08/10 23:45
LCD-1	V910L08D	12/09/10 00:13

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Joanna Wieland
Chemist, Volatile Organics
Thursday, December 09, 2010
12:04:32 PM

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Batch ID: V910L09A

Date: 12/10/10

Preparation Batch: V910L09A **Preparation Date: 12/09/10**

	Method Blank (MB)			Laboratory Control Sample (LCS)					LCS Duplicate (LCD)				Run Code		
Parameter	Result µg/L	PQL µg/L	Q	Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	Rec. %	RPD %	UCL %	Q	MB	LCS	LCD
1. Acetone	U	2.00		109	100	109	19 - 165		114	4	20		MB-1	LCS-1	LCD-1
2. Acrylonitrile	U	1.00		105	100	105	43 - 155		113	7	20		MB-1	LCS-1	LCD-1
3. Benzene	U	0.500		112	100	112	69 - 137		114	2	20		MB-1	LCS-1	LCD-1
4. Bromobenzene	U	0.500		101	100	101	65 - 140		105	3	20		MB-1	LCS-1	LCD-1
5. Bromochloromethane	U	0.500		106	100	106	33 - 141		106	0	20		MB-1	LCS-1	LCD-1
6. Bromodichloromethane	U	0.500		96.2	100	96	84 - 144		100	3	20		MB-1	LCS-1	LCD-1
7. Bromoform	U	0.500		88.9	100	89	66 - 136		92	3	20		MB-1	LCS-1	LCD-1
8. Bromomethane	U	1.00		160	100	160	56 - 172		161	1	20		MB-1	LCS-1	LCD-1
9. 2-Butanone	U	1.00		93.4	100	93	28 - 176		104	11	20		MB-1	LCS-1	LCD-1
10. tert-Butyl Alcohol	U	5.00		74.5	100	75	25 - 157		83	11	20		MB-1	LCS-1	LCD-1
11. n-Butylbenzene	U	0.500		99.5	100	99	63 - 149		100	1	20		MB-1	LCS-1	LCD-1
12. sec-Butylbenzene	U	0.500		102	100	102	61 - 143		102	1	20		MB-1	LCS-1	LCD-1
13. tert-Butylbenzene	U	0.500		92.2	100	92	70 - 139		105	13	20		MB-1	LCS-1	LCD-1
14. Carbon Disulfide	U	0.500		127	100	127	27 - 166		127	0	20		MB-1	LCS-1	LCD-1
15. Carbon Tetrachloride	U	0.500		94.1	100	94	70 - 140		95	1	20		MB-1	LCS-1	LCD-1
16. Chlorobenzene	U	0.500		99.0	100	99	88 - 126		101	2	20		MB-1	LCS-1	LCD-1
17. Chloroethane	U	2.00		122	100	122	33 - 172		122	0	20		MB-1	LCS-1	LCD-1
18. Chloroform	U	0.500		103	100	103	66 - 138		105	2	20		MB-1	LCS-1	LCD-1
19. Chloromethane	U	1.00		155	100	155	45 - 153	*	153	1	20		MB-1	LCS-1	LCD-1
20. 2-Chlorotoluene	U	0.500		99.4	100	99	75 - 137		101	2	20		MB-1	LCS-1	LCD-1
21. 4-Chlorotoluene	U	0.500		96.9	100	97	79 - 137		99	2	20		MB-1	LCS-1	LCD-1
22. Dibromochloromethane	U	0.500		92.9	100	93	83 - 127		97	4	20		MB-1	LCS-1	LCD-1
23. 1,2-Dibromo-3-chloropropane	U	1.00		83.8	100	84	66 - 134		92	9	20		MB-1	LCS-1	LCD-1
24. Dibromomethane	U	0.500		94.3	100	94	67 - 148		99	4	20		MB-1	LCS-1	LCD-1
25. 1,2-Dichlorobenzene	U	0.500		99.2	100	99	71 - 154		100	1	20		MB-1	LCS-1	LCD-1
26. 1,3-Dichlorobenzene	U	0.500		99.2	100	99	74 - 156		101	2	20		MB-1	LCS-1	LCD-1
27. 1,4-Dichlorobenzene	U	0.500		96.0	100	96	89 - 121		98	2	20		MB-1	LCS-1	LCD-1
28. trans-1,4-Dichloro-2-butene	U	0.500		79.1	100	79	47 - 164		85	7	20		MB-1	LCS-1	LCD-1
29. Dichlorodifluoromethane	U	1.00		136	100	136	44 - 188		137	1	20		MB-1	LCS-1	LCD-1
30. 1,1-Dichloroethane	U	0.500		116	100	116	59 - 145		118	2	20		MB-1	LCS-1	LCD-1
31. 1,2-Dichloroethane	U	1.00		193	200	97	68 - 143		101	4	20		MB-1	LCS-1	LCD-1
32. 1,1-Dichloroethene	U	0.500		124	100	124	56 - 163		124	0	20		MB-1	LCS-1	LCD-1
33. cis-1,2-Dichloroethene	U	0.699		112	100	112	54 - 161		115	3	20		MB-1	LCS-1	LCD-1
34. trans-1,2-Dichloroethene	U	0.500		118	100	118	56 - 153		119	1	20		MB-1	LCS-1	LCD-1
35. 1,2-Dichloropropane	U	0.500		116	100	116	66 - 135		122	5	20		MB-1	LCS-1	LCD-1
36. 1,3-Dichloropropane	U	0.500		103	100	103	75 - 136		107	4	20		MB-1	LCS-1	LCD-1
37. 2,2-Dichloropropane	U	0.500		86.6	100	87	53 - 176		87	1	20		MB-1	LCS-1	LCD-1
38. 1,1-Dichloropropene	U	0.500		110	100	110	62 - 152		112	2	20		MB-1	LCS-1	LCD-1
39. cis-1,3-Dichloropropene	U	0.500		103	100	103	81 - 144		107	4	20		MB-1	LCS-1	LCD-1
40. trans-1,3-Dichloropropene	U	0.500		96.6	100	97	66 - 150		101	4	20		MB-1	LCS-1	LCD-1
41. Diethyl Ether	U	0.500		119	100	119	37 - 153		126	6	20		MB-1	LCS-1	LCD-1
42. Ethyl Methacrylate	U	0.500		144	100	144	54 - 150		123	16	20		MB-1	LCS-1	LCD-1
43. Ethylbenzene	U	0.500		102	100	102	88 - 131		104	2	20		MB-1	LCS-1	LCD-1
44. Ethylene Dibromide	U	0.400		192	200	96	86 - 131		100	4	20		MB-1	LCS-1	LCD-1
45. Ethylene Dibromide, Low-level	U	0.0500		181	200	91	87 - 127		95	4	20		MB-1	LCS-1	LCD-1
46. Hexachlorobutadiene	U	0.500		96.4	100	96	72 - 144		98	1	20		MB-1	LCS-1	LCD-1
47. Hexachloroethane	U	1.00		95.2	100	95	37 - 171		95	0	20		MB-1	LCS-1	LCD-1
48. 2-Hexanone	U	1.00		91.5	100	91	37 - 183		101	10	20		MB-1	LCS-1	LCD-1
49. Isopropylbenzene	U	0.500		99.3	100	99	89 - 148		101	2	20		MB-1	LCS-1	LCD-1
50. p-Isopropyltoluene	U	0.500		99.3	100	99	86 - 142		100	0	20		MB-1	LCS-1	LCD-1
51. Methacrylonitrile	U	1.00		107	100	107	45 - 155		113	6	20		MB-1	LCS-1	LCD-1
52. Methyl Iodide	U	0.500		121	100	121	38 - 159		125	3	20		MB-1	LCS-1	LCD-1

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Quality Control Report
Preparation Batch QC Summary
Volatile Organics by GC/MS
Aqueous

Preparation Batch: V910L09A **Preparation Date:** 12/09/10

Parameter	Method Blank (MB) Result µg/L	PQL µg/L	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
53. Methyl Methacrylate	U	3.50		97.0	100	97	65 - 185		105	8	20		MB-1	LCS-1	LCD-1
54. Methylene Chloride	U	0.500		117	100	117	38 - 149		121	3	20		MB-1	LCS-1	LCD-1
55. 2-Methylnaphthalene	U	0.500		79.0	100	79	49 - 157		88	11	20		MB-1	LCS-1	LCD-1
56. 4-Methyl-2-pentanone	U	1.00		96.8	100	97	60 - 152		105	8	20		MB-1	LCS-1	LCD-1
57. MTBE	U	1.00		224	200	112	54 - 144		119	6	20		MB-1	LCS-1	LCD-1
58. Naphthalene	U	0.500		90.4	100	90	64 - 158		97	7	20		MB-1	LCS-1	LCD-1
59. Propionitrile	U	2.00		95.2	100	95	53 - 143		111	15	20		MB-1	LCS-1	LCD-1
60. n-Propylbenzene	U	0.500		102	100	102	64 - 146		103	1	20		MB-1	LCS-1	LCD-1
61. Styrene	U	0.500		99.8	100	100	79 - 129		102	2	20		MB-1	LCS-1	LCD-1
62. 1,1,1,2-Tetrachloroethane	U	0.500		96.1	100	96	84 - 135		99	3	20		MB-1	LCS-1	LCD-1
63. 1,1,2,2-Tetrachloroethane	U	0.500		97.5	100	97	69 - 141		103	6	20		MB-1	LCS-1	LCD-1
64. Tetrachloroethene	U	0.500		101	100	101	81 - 145		101	1	20		MB-1	LCS-1	LCD-1
65. Tetrahydrofuran	U	2.00		98.0	100	98	33 - 148		112	14	20		MB-1	LCS-1	LCD-1
66. Toluene	U	0.500		103	100	103	77 - 135		105	2	20		MB-1	LCS-1	LCD-1
67. 1,2,3-Trichlorobenzene	U	0.500		95.2	100	95	74 - 147		100	5	20		MB-1	LCS-1	LCD-1
68. 1,2,4-Trichlorobenzene	U	0.500		95.5	100	95	73 - 152		98	2	20		MB-1	LCS-1	LCD-1
69. 1,1,1-Trichloroethane	U	0.500		96.3	100	96	69 - 143		98	2	20		MB-1	LCS-1	LCD-1
70. 1,1,2-Trichloroethane	U	0.500		95.3	100	95	84 - 122		100	5	20		MB-1	LCS-1	LCD-1
71. Trichloroethene	U	0.500		99.3	100	99	72 - 143		102	3	20		MB-1	LCS-1	LCD-1
72. Trichlorofluoromethane	U	0.500		111	100	111	41 - 181		112	1	20		MB-1	LCS-1	LCD-1
73. 1,2,3-Trichloropropane	U	0.500		81.5	100	81	82 - 127	*	91	11	20		MB-1	LCS-1	LCD-1
74. 1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.500		107	100	107	58 - 161		108	1	20		MB-1	LCS-1	LCD-1
75. 1,2,3-Trimethylbenzene	U	0.500		97.5	100	98	80 - 133		99	1	20		MB-1	LCS-1	LCD-1
76. 1,2,4-Trimethylbenzene	U	0.500		97.3	100	97	81 - 140		100	2	20		MB-1	LCS-1	LCD-1
77. 1,3,5-Trimethylbenzene	U	0.500		99.3	100	99	82 - 140		100	1	20		MB-1	LCS-1	LCD-1
78. Vinyl Chloride	U	0.500		139	100	139	40 - 174		139	0	20		MB-1	LCS-1	LCD-1
79. m&p-Xylene	U	1.00		201	200	100	86 - 133		101	1	20		MB-1	LCS-1	LCD-1
80. o-Xylene	U	0.500		93.1	100	93	85 - 131		99	6	20		MB-1	LCS-1	LCD-1

System Monitoring Compounds (Surrogates):	Method Blank (MB) Result µg/L	Spike µg/L	Rec. %	Q	Laboratory Control Sample (LCS) Result µg/L	Spike µg/L	Rec. %	LCL - UCL %	Q	LCS Duplicate (LCD) Rec. %	RPD %	UCL %	Q	Run Code MB	LCS	LCD
1. Dibromofluoromethane(S)	62.1	75.0	83		61.8	75.0	82	67 - 130		87	5	20		MB-1	LCS-1	LCD-1
2. 1,2-Dichloroethane-d4(S)	57.9	75.0	77		57.3	75.0	76	58 - 133		81	6	20		MB-1	LCS-1	LCD-1
3. Toluene-d8(S)	62.8	75.0	84		62.7	75.0	84	77 - 114		89	6	20		MB-1	LCS-1	LCD-1
4. 4-Bromofluorobenzene(S)	58.9	75.0	79		61.7	75.0	82	65 - 115		86	4	20		MB-1	LCS-1	LCD-1

Definitions/ Qualifiers:

U: The analyte was not detected at or above the PQL.
***:** Value reported is outside QC limits

Run Code (Analysis Sequence/Run Time):

MB-1	V910L09A	12/09/10 16:29
LCS-1	V910L09A	12/09/10 20:59
LCD-1	V910L09A	12/09/10 21:26

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Report Generated By:

Joanna Wieland
Chemist, Volatile Organics
Friday, December 10, 2010
8:44:16 AM

1914 Holloway Drive, Holt, MI 48842, T: (517) 699-0345, F: (517) 699-0388
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lab@fibertec.us

emailed 12/3/10

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Chain of Custody # 103173

PAGE 1 of 5

Client Name: SME

Contact Person: B[illegible] T[illegible]

Project Name/ Number: Kl[illegible] T[illegible] LE61337A

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	VOC	PNAs	metals As, Cr, Pb, Hg	metals Cu, Zn, Se, Silver						Remarks
	—	—		Methanol Blank	S	1	Y	X									
	12-1-10	1020		SB1 0-2'	S	1	N		X	X	X						
	12-1-10	1040		SB2 0-2'	S	1	N		X	X	X						
	12-1-10	1140		SB3 0-2'	S	1	N		X	X	X						HOLD
	12-1-10	1165		SB4 2-3.5'	S	1	N										
	12-1-10	1645		SB5 0.5-2.5'	S	2	Y	X	X	X	X						
	12-1-10	—		Dupl	S	2	Y	X	X	X	X						HOLD
	12-1-10	1655		SB6 0.5-2.5'	S	1	N										
	12-1-10	1335		SB7 6-8'	S	2	Y	X	X	X	X						
	12-1-10	1340		SB7 10-11'	S	2	Y	X	X	X	X						

Turnaround:
- [ ] 24 hour RUSH (surcharge applies)
- [ ] 48 hour RUSH (surcharge applies)
- [ ] 72 hour RUSH (surcharge applies)
- [x] Standard (5-7 bus. days)
- [ ] Other: Specify

Remarks:

Matrix Code:

S	Soil	GW	Ground Water
W	Water	SW	Surface Water
A	Air	WW	Waste Water
O	Oil	X	Other: Specify
P	Wipe		

Comments: SME will call or email lab on 12/3/10 with additional analytical for these samples.

Relinquished By:	Date/ Time	Received By:
R. C[illegible]	12/2/10 5:45	M[illegible] Camaduc(?) 12/2 1746
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
[illegible]

COC Revision: April 2006

[TER]MS & CONDITIONS ON BACK

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Chain of Custody # 103163
PAGE 1 of 2

Amended 12/3/10

Client Name: SME
Contact Person: Brian Treat
Project Name/ Number: Klein Tool LE61837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	VOCs	PNAs	metals As, Cr, Pb, Hg	metals Cu, Zn, Se, Sb	PCBs	
	12-1-10	1215		SB8 0-2'	S	3	Y	X				X	
	12-1-10	1245		SB9 4.5-5.5'	S	1	N		X	X	X		
	12-1-10	1325		SB12 0.25-2'	S	3	Y	X	X				
	12-1-10	1350		SB13 0.25-2'	S	3	Y	X	X				
	12-1-10	1430		SB14 0-2'	S	3	Y	X	X	X	X		
	12-1-10	1510		SB15 0-2'	S	1	N					X	
	12-1-10	1450		SB16 0-2'	S	3	Y	X	X	X	X		
	12-2-10	1110		SB17 0.5-2.5'	S	1	N						
	12-2-10	1100		SB18 2-3'	S	3	Y	X	X	X	X		
	12-2-10	1125		SB19 0.5-2.5'	S	1	N		X	X	X		

PARAMETERS

Turnaround
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- Standard (5-7 bus. days) X
- Other: Specify

Matrix Code
S Soil | GW Ground Water
W Water | SW Surface Water
A Air | WW Waste Water
O Oil | X Other: Specify
P Wipe

Remarks: HOLD

Comments: See notes p.1

	Date/ Time	Received By:
Relinquished By:	12/2/10 5:45	
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

emailed 12/3/10

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Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 103685
PAGE 3 of 3

Client Name: SME
Contact Person: Brent T.
Project Name/ Number: Klein Tool LEG1837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: VOCs	PNAs	As, Cr, Pb, Hg	Cu, Zn, Se, Silver		Arsenic only					
	12-1-10	1530		SB20 6-7'	S	2	Y	X	X	X	X							
	12-2-10	1215		SB21 5-7'	S	1	Y		X	X	X							
	12-2-10	1230		SB22 0.5-2'	S	2	Y	X	X	X	X							
	12-2-10	1145		SB23 2.5-4.5'	S	2	Y	X	X	X	X							
	12-2-10	—		DUP3	S	1	Y	X					X					
	12-2-10	1300		SB25 0.25-2'	S	2	Y	X					X					
	12-2-10	1415		SB26 0.25-2'	S	1	Y						X					

Turnaround: 24 hour RUSH (surcharge applies); 48 hour RUSH (surcharge applies); 72 hour RUSH (surcharge applies); Standard (5-7 bus. days); Other: Specify

Matrix Code: S Soil; W Water; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Remarks:

Comments: See note p.1

	Date/ Time	
Relinquished By:	12/2/10 5:45	Received By:
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

emailed 12/3/10

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Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 103171
PAGE 4 of 5

Client Name: SME
Contact Person: Brian Trost
Project Name/ Number: Kirin Tool LE61837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (see R on 1st corner for code)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: VOCs	PNAs	As, Cr, Pb, Hg, Se	Zn, Silver, Cu, Hex Chrome							
	12-2-10	845		SB5	S	5	N	X	X	X	X							
		—		DUP2	S	5	N	X	X	X	X							
		915		SB3	S	5	N	X	X	X	X	X						
		1000		SB9	S	5	N	X	X	X	X							
		1020		SB7	S	5	N	X	X	X	X							
		1100		SB12	S	5	N	X	X	X	X							
		1120		SB14	S	5	N	X	X	X	X							
		1200		SB16	S	5	N	X	X	X	X							
		1300		SB20	S	5	N	X	X	X	X	X						
	↓	1410		SB18	S	5	N	X	X	X	X							

Turnaround
- [ ] 24 hour RUSH (surcharge applies)
- [ ] 48 hour RUSH (surcharge applies)
- [ ] 72 hour RUSH (surcharge applies)
- [x] Standard (5-7 bus. days)
- [ ] Other: Specify

Matrix Code
S Soil, GW Ground Water, W Water, SW Surface Water, A Air, WW Waste Water, O Oil, X Other: Specify, P Wipe

Remarks:

Comments:

Relinquished By:	Date/ Time 12/2/10 0915	Received By: 12/2 17:46
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

emailed 12/3/10

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Geoprobe

11766 E. Grand River, Brighton, MI 48116, Phone: 810 220 3300, Fax: 810 220 3311

Chain of Custody # 103172

PAGE 5 of 5

Client Name: SME

Contact Person: Brian Trout

Project Name/ Number: Klein Tool LE61837A

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	VOCs	PNAs	As, Cr, Pb, Hg	Cu, Zn, Se, Silver
	12-2-10	1430		SB24	W	4	Y	X	X	X	X
	12-2-10	1530		SB23	W	4	Y	X	X	X	X
	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	—	—		Trip Blank	W	1	Y	X			
	12-2-10	1430		Field Blank	W	4	Y	X	X	X	X

Turnaround:
- [ ] 24 hour RUSH (surcharge applies)
- [ ] 48 hour RUSH (surcharge applies)
- [ ] 72 hour RUSH (surcharge applies)
- [x] Standard (5-7 bus. days)
- [ ] Other: Specify

Matrix Code: S Soil; GW Ground Water; W Water; SW Surface Water; A Air; WW Waste Water; O Oil; X Other: Specify; P Wipe

Remarks:

Comments:

Relinquished By:	Date/ Time	Received By:
[signature]	12/2/10 6:45	[signature] 12/3 1746
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

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Geoprobe
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Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 103173
PAGE 1 of 5

Client Name: SME
Contact Person: Brian Trent
Project Name/ Number: Klein Tool LE61837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: VOC
	—	—		Methanol Blank	S	1	Y	X
	12-1-10	1020		SB1 0-2'	S	1	N	
	12-1-10	1040		SB2 0-2'	S	1	N	
	12-1-10	1140		SB3 0-2'	S	1	N	
	12-1-10	1105		SB4 2-3.5'	S	1	N	
	12-1-10	1640		SB5 0.5-2.5	S	2	Y	
	12-1-10	—		DUP1	S	2	Y	
	12-1-10	1655		SB6 0.5-2.5'	S	1	N	
	12-1-10	1235		SB7 6-8'	S	2	Y	
	12-1-10	1240		SB7 10-11'	S	2	Y	

Turnaround:
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- Standard (5-7 bus. days) X
- Other: Specify

Matrix Code: S Soil; W Water; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Remarks:

Comments: SME will call or email lab on 12/3/10 with additional analytical for these samples.

Relinquished By: Brian Trent	Date/ Time 12/2/10 5:45	Received By: Kyleen Crandall 12/2 17:46
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number: 42307
Laboratory Tracking:
Temperature at Receipt: 1.0°C

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

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Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 103163
PAGE 2 of 3

Client Name: SME
Contact Person: Brian Trent
Project Name/ Number: Klein Tool LE61837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: PCBs
	12-1-10	1215		SB8 0-2'	S	2	Y	X
	12-1-10	1715		SB9 4.5-5.5'	S	1	N	
	12-1-10	1325		SB12 0.25-2'	S	2	Y	
	12-1-10	1350		SB13 0.25-2'	S	2	Y	
	12-1-10	1430		SB14 0-2'	S	2	Y	
	12-1-10	1510		SB15 0-2'	S	1	N	X
	12-1-10	1450		SB16 0-2'	S	2	Y	
	12-2-10	1110		SB17 0.5-2.5'	S	1	N	
	12-2-10	1100		SB18 2-3'	S	2	Y	
	12-2-10	1125		SB19 0.5-2.5'	S	1	N	

Turnaround:
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- X Standard (5-7 bus. days)
- Other: Specify

Matrix Code: S Soil; W Water; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Remarks:

Comments: See notes p.1

	Date/ Time	
Relinquished By: Brian Trent	12/2/10 5:45	Received By: Kyleen Crandall 12/2 1746
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt: 6°C

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

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Fax: 810 220 3311

Chain of Custody # 102685
PAGE 3 of 5

Client Name: SME
Contact Person: Brian Trent
Project Name/ Number: Klein Tool LE61837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)
	12-1-10	1530		SB20 6-7'	S	2	Y
	12-2-10	1215		SB21 5-7'	S	1	N
	12-2-10	1230		SB22 0.5-2'	S	2	Y
	12-2-10	1145		SB23 2.5-4.5'	S	2	Y
	12-2-10	—		DUP3	S	2	Y
	12-2-10	1300		SB25 0.25-2'	S	2	Y
	12-2-10	1415		SB26 0.25-2'	S	1	N

PARAMETERS

Turnaround
- [ ] 24 hour RUSH (surcharge applies)
- [ ] 48 hour RUSH (surcharge applies)
- [ ] 72 hour RUSH (surcharge applies)
- [x] Standard (5-7 bus. days)
- [ ] Other: Specify

Matrix Code
S Soil, GW Ground Water, W Water, SW Surface Water, A Air, WW Waste Water, O Oil, X Other: Specify, P Wipe

Remarks:

Comments: See notes p.1

	Date/ Time	
Relinquished By:	12/2/10 5:45	Received By:
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt: 6°C

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

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Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 103171

Client Name: SME

Contact Person: Brian Trent

Project Name/ Number: Klein Tool LE61837A

Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: VOCs	PNAs	As, Cr, Pb, Hg	Zn, Silver, Cu, Se	Hex Chrome						
	12-2-10	845		SB5	W	4	Y	X	X	X	X							
		—		DUP2	W	4	Y	X	X	X	X							
		915		SB3	W	5	Y	X	X	X	X	X						
		1000		SB9	W	4	Y	X	X	X	X							
		1020		SB7	W	4	Y	X	X	X	X							
		1100		SB12	W	4	Y	X	X	X	X							
		1120		SB14	W	4	Y	X	X	X	X							
		1200		SB16	W	4	Y	X	X	X	X							
		1300		SB20	W	5	Y	X	X	X	X	X						
	↓	1410		SB18	W	4	Y	X	X	X	X							

Turnaround:
- [ ] 24 hour RUSH (surcharge applies)
- [ ] 48 hour RUSH (surcharge applies)
- [ ] 72 hour RUSH (surcharge applies)
- [X] Standard (5-7 bus. days)
- [ ] Other: Specify

Matrix Code: S Soil; W Water; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Remarks:

Comments:

Relinquished By: Brian Trent	Date/ Time 12/2/10 5:45	Received By: Kylem Crandall 12/2 1746
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt: 10°C

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 103172
PAGE 2 of 5

Client Name: SME
Contact Person: Brian Trent
Project Name/ Number: Klein Tool LE61837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: VOCs	PNAs	As, Cr, Pb, Hg, Cu, Zn, Se, Silver
	12-2-10	1430		SB24	W	4	Y	X	X	X
	12-2-10	1520		SB23	W	4	Y	X	X	X
	~~12-2-10~~	~~1605~~		~~SB22~~	~~W~~	~~4~~	~~Y~~	~~X~~	~~X~~	~~X~~
	~~12-2-10~~	~~1605~~		~~SB21~~	~~W~~	~~4~~	~~Y~~	~~X~~	~~X~~	~~X~~
	—	—		Trip Blank	W	1	Y	X		
	12-2-10	1430		Field Blank	W	4	Y	X	X	X

Turnaround:
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- [X] Standard (5-7 bus. days)
- Other: Specify

Matrix Code: S Soil; W Water; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Remarks:

Comments:

Relinquished By:	Date/ Time 12/2/10 2145	Received By: Thylissa Crandall 12/2 1746
Relinquished By:	Date/ Time	Received By:
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt: 6.0°C

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK

Fibertec
environmental
services

Monday, December 13, 2010

Fibertec Project Number:	42355
Project Identification:	Klein Tool /LE61837A
Submittal Date:	12/06/2010

Mr. Brian Trent
Soil and Materials Engineers, Inc. - Grand Rapids
4705 Clyde Park Avenue, SW
Grand Rapids, MI 49509-5114

Dear Mr. Trent,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB2**	Chain of Custody:	**103157**
Client Project Name:	**Klein Tool**	Sample No:	**1**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**16:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) **Aliquot ID: 42355-001A** **Matrix: Ground Water** **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**12**		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	**29**		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	**600**		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	**380**		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) **Aliquot ID: 42355-001A** **Matrix: Ground Water** **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42355-001** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/09/10	V910L09B	12/10/10	V910L09B
2. Acrylonitrile	U		µg/L	2.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
3. Benzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
4. Bromobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
5. Bromochloromethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
7. Bromoform	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
8. Bromomethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
9. 2-Butanone	U		µg/L	25	1.0	12/09/10	V910L09B	12/10/10	V910L09B
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
12. tert-Butylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
15. Chlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
16. Chloroethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
17. Chloroform	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
18. Chloromethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
22. Dibromomethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB2**	Chain of Custody:	**103157**
Client Project Name:	**Klein Tool**	Sample No:	**1**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**16:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42355-001** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
35. Ethylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
37. 2-Hexanone	U		µg/L	50	1.0	12/09/10	V910L09B	12/10/10	V910L09B
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
39. Methyl Iodide	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
40. Methylene Chloride	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/09/10	V910L09B	12/10/10	V910L09B
42. MTBE	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
43. Naphthalene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
45. Styrene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
49. Toluene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
53. Trichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
60. Xylenes	U		µg/L	3.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42355-001C** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
2. Acenaphthylene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB2**	Chain of Custody:	**103157**
Client Project Name:	**Klein Tool**	Sample No:	**1**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**16:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42355-001C** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
4. Benzo(a)anthracene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
5. Benzo(a)pyrene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
6. Benzo(b)fluoranthene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
7. Benzo(ghi)perylene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
8. Benzo(k)fluoranthene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
9. Chrysene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
10. Dibenzo(a,h)anthracene	U		µg/L	2.4	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
11. Fluoranthene	**2.0**		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
12. Fluorene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
15. Phenanthrene	U		µg/L	2.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
16. Pyrene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB21**	Chain of Custody:	**103157**
Client Project Name:	**Klein Tool**	Sample No:	**2**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**16:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A/EPA 6020A) — **Aliquot ID: 42355-002A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	**5.3**		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
2. Chromium	U		µg/L	10	10	12/08/10	PT10L08H	12/08/10	T210L08B
3. Copper	**10**		µg/L	4.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
4. Lead	**17**		µg/L	3.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
5. Selenium	U		µg/L	5.0	10	12/08/10	PT10L08H	12/08/10	T210L08B
6. Silver	U		µg/L	0.20	10	12/08/10	PT10L08H	12/08/10	T210L08B
7. Zinc	U		µg/L	50	10	12/08/10	PT10L08H	12/08/10	T210L08B

Mercury by CVAAS, Total (EPA 7470A) — **Aliquot ID: 42355-002A** — **Matrix: Ground Water** — **Analyst: MAP**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Mercury	U		µg/L	0.20	1.0	12/08/10	PM10L08C	12/09/10	M410L09B

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) — **Aliquot ID: 42355-002** — **Matrix: Ground Water** — **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	12/09/10	V910L09B	12/10/10	V910L09B
2. Acrylonitrile	U		µg/L	2.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
3. Benzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
4. Bromobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
5. Bromochloromethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
6. Bromodichloromethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
7. Bromoform	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
8. Bromomethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
9. 2-Butanone	U		µg/L	25	1.0	12/09/10	V910L09B	12/10/10	V910L09B
10. n-Butylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
11. sec-Butylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
12. tert-Butylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
13. Carbon Disulfide	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
15. Chlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
16. Chloroethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
17. Chloroform	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
18. Chloromethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
20. Dibromochloromethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
21. 1,2-Dibromo-3-chloropropane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
22. Dibromomethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB21**	Chain of Custody:	**103157**
Client Project Name:	**Klein Tool**	Sample No:	**2**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**16:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B) **Aliquot ID: 42355-002** **Matrix: Ground Water** **Analyst: JAS**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
35. Ethylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
36. Ethylene Dibromide	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
37. 2-Hexanone	U		µg/L	50	1.0	12/09/10	V910L09B	12/10/10	V910L09B
38. Isopropylbenzene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
39. Methyl Iodide	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
40. Methylene Chloride	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	12/09/10	V910L09B	12/10/10	V910L09B
42. MTBE	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
43. Naphthalene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
44. n-Propylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
45. Styrene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
48. Tetrachloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
49. Toluene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
53. Trichloroethene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
59. Vinyl Chloride	U		µg/L	1.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B
60. Xylenes	U		µg/L	3.0	1.0	12/09/10	V910L09B	12/10/10	V910L09B

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42355-002C** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
2. Acenaphthylene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A

Client Identification:	**Soil and Materials Engineers, Inc. - Grand Rapids**	Sample Description:	**SB21**	Chain of Custody:	**103157**
Client Project Name:	**Klein Tool**	Sample No:	**2**	Collect Date:	**12/02/10**
Client Project No:	**LE61837A**	Sample Matrix:	**Ground Water**	Collect Time:	**16:00**

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Polynuclear Aromatic Hydrocarbons (PNAs) (EPA 3535/EPA 8270C) **Aliquot ID: 42355-002C** **Matrix: Ground Water** **Analyst: TMC**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
3. Anthracene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
4. Benzo(a)anthracene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
5. Benzo(a)pyrene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
6. Benzo(b)fluoranthene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
7. Benzo(ghi)perylene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
8. Benzo(k)fluoranthene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
9. Chrysene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
10. Dibenzo(a,h)anthracene	U		µg/L	2.4	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
11. Fluoranthene	U		µg/L	1.2	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
12. Fluorene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
13. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
14. 2-Methylnaphthalene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
15. Phenanthrene	U		µg/L	2.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A
16. Pyrene	U		µg/L	5.0	1.2	12/08/10	PS10L08D	12/09/10	S310L09A

Definitions/ Qualifiers:

- **A:** Spike recovery or precision unusable due to dilution.
- **B:** The analyte was detected in the associated method blank.
- **E:** The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- **J:** The concentration is an estimated value.
- **U:** The analyte was not detected at or above the reporting limit.
- **X:** Matrix Interference has resulted in a raised reporting limit or distorted result.
- **W:** Results reported on a wet-weight basis.
- ***:** Value reported is outside QA limits

Exception Summary:

ACCREDITED IN ACCORDANCE WITH nelac

Accreditation Number:

100312

Fibertec environmental services

Analytical Laboratory
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fibertec.us

8660 S. Mackinaw Trail
Cadillac, MI 49601
Phone: 231 775 8368
Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody # 103157
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Client Name: SME
Contact Person: Brian Trent
Project Name/ Number: Klein Tool LE61837A
Purchase Order#

Lab Sample #	Date	Time	Client Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PRESERVED (Y/N)	PARAMETERS: VOC	PNA	As, Cr, Pb, Hg, Cu	Zn, Se, Silver	(As, Cr, Pb, Hg, Cu, Zn, Se, Silver) Filtered (Dissolved) metals	Filtered (Dissolved) PNAs
	12-2-10	1600		SB2	W	6	Y	X	X	X	X		
	12-2-10	1600		SB21	W	6	Y	X	X	X	X		

Turnaround
- 24 hour RUSH (surcharge applies)
- 48 hour RUSH (surcharge applies)
- 72 hour RUSH (surcharge applies)
- Standard (5-7 bus. days) X
- Other: Specify

Matrix Code
S Soil; W Water; A Air; O Oil; P Wipe; GW Ground Water; SW Surface Water; WW Waste Water; X Other: Specify

Remarks:
HOLD filtered samples
HOLD filtered sample

Comments:

Relinquished By:	Date/ Time 12-3-10 @ 1030	Received By:
Relinquished By:	Date/ Time 12-6-10 @ 8AM	Received By: 14:30
Relinquished By:	Date/ Time	Received By Laboratory:

LAB USE ONLY:
Fibertec project number:
Laboratory Tracking:
Temperature at Receipt:

RCV'D ON ICE

COC Revision: April, 2006

TERMS & CONDITIONS ON BACK