KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093060***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/24/09***

Project Description : ***Analysis of 10 soil samples from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093060. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Desc. : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10026"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1400*
Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	97.81	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	82	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : *"TS10027"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1403*
Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	96.46	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	80	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093060***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10028"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1405***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.51	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	95	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : ***"TS10029"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1408***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.05	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	83	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093060*

Client: *ARCADIS of New York, Inc.*

Date Reported : *08/24/09*

Project Desc. : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10030"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1411*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.11	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	70	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : *"TS10031"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1415*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.43	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093060*

Client: *ARCADIS of New York, Inc.*

Date Reported : *08/24/09*

Project Desc. : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10032"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1418*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.55	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	89	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : *"TS10033"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1422*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	97.86	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	78	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	68	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093060***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10034"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1425***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-09***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	98.30	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	82	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : ***"TS10035"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1430***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-10***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.16	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	89	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	74	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093060***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Sample Date :

Sample Time :

Date Received : ***08/10/09***

Sample Type : ***LMB-soil***

KAR Sample No. : ***093060-11***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	88	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	52	% spike recovery	EPA 8082	08/18/09	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093060***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/24/09***

Project Description : ***Analysis of 10 soil samples from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093060. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093060*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10026"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1400* **Sample No. :** *093060-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	97.81 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	82 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10027"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1403* **Sample No. :** *093060-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	96.46 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	80 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10028"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1405* **Sample No. :** *093060-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	95 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.51 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	81 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10029"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1408* **Sample No. :** *093060-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	83 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.05 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10030"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1411* **Sample No. :** *093060-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.11 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	70 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10031"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1415* **Sample No. :** *093060-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.43 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	78 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10032"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1418* **Sample No. :** *093060-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	89 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.55 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	81 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10033"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1422* **Sample No. :** *093060-08*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	78 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	97.86 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	68 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10034"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1425* **Sample No. :** *093060-09*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	98.30 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	82 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10035"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1430* **Sample No. :** *093060-10*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	89 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.16 % by weight							0.0 %		5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	74 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank-Soil***
Sampled By : **Date Sampled :** **Sample Type :** *LMB-soil*
Date Received : *08/10/09* **Time Sampled :** **Sample No. :** *093060-11*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	88 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	52 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

BATCH QC REPORT

Printed : 02:22:20 PM, 08/24/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090811DW2	08/11/09	88.26							88.22	88.3	0.1 %		5	093026-13
Dry weight solids	090811DW2	08/11/09	99.16							99.17	99.15	0.0 %		5	093060-10
PCB Aroclor 1016	090806SO8	08/11/09	0	3633.7209	2507.7519	69.0 %	2265.6492	62.4 %	10.1 %				29-135	25	092908-01
PCB Aroclor 1260	090806SO8	08/11/09	0	3633.7209	2666.1822	73.4 %	2296.9961	63.2 %	14.9 %				29-135	25	092908-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS
Infrastructure, environment, facilities

ID#: 13990

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: ERIC HRITSUK
Telephone: 312-332-4937
Address: 30 W. MONROE
Fax:
City: CHICAGO State: IL Zip: 60603
E-mail Address: ERIC.HRITSUK@ARCADIS-US.COM
Project Name/Location (City, State): PLAINFIELD DAM
Project #: B0064536.0001
Sampler's Printed Name: M. E. KOLHAGEN
Sampler's Signature:

Preservative	E							
Filtered (✓)								
# of Containers	1							
Container Information	7							

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil, W - Water, SL - Sludge, SW - Sample Wipe, T - Tissue, A - Air, Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	PCB							REMARKS
TS10026	8/5/09	1400		✓	SO								
TS10027		1403		✓									
TS10028		1405		✓									
TS10029		1408		✓									
TS10030		1411		✓									
TS10031		1415		✓									
TS10032		1418		✓									
TS10033		1422		✓									
TS10034		1425		✓									
TS10035		1430	✓										

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: KAR	Cooler Custody Seal (✓)	Printed Name: BRI LAWRENCE	Printed Name: Sandy Mertz	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature: Sandy Mertz	Signature:	Signature:
Specify Turnaround Requirements: STANDARD	Sample Receipt:	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm:
Shipping Tracking #: DROPOFF	Condition/Cooler Temp: _____	Date/Time: 8/10/09 1545	Date/Time: 8-10-09 3:45 pm	Date/Time:	Date/Time:

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by BBL

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL472

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

August 26, 2009

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: KZOO; SDG: KAL472

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on August 11th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 08/11/09 ETR No: 133041		
803239	TS10036	08/10/09	SOIL
803240	TS10037	08/10/09	SOIL
803240MS	TS10037MS	08/10/09	SOIL
803240MD	TS10037MSD	08/10/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The initial volatile organic calibration curve identified as NVX081909 yielded responses for chloroethane and acetone outside control criteria. These compounds were not detected in the associated field samples.

The volatile organic analysis of blank spike sample NA082009LCS yielded marginally low recovery of trans-1,3-Dichloropropene. This compound was not detected in the noted field samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 081009.1

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax:
City State Zip: Chicago, IL 60603	E-mail Address: Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell No.2 Dam TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Ben Lawrence	Sampler's Signature: [signature]

Preservative	E	F	E
Filtered (✓)	-	-	-
# of Containers	2	1	4
Container Information	1	1	8

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		VOC's (SW-846 8260)	SVOC's (SW-846 8270)	Chlorinated Pesticides (SW-846 8081)	RCRA Metals	PCB (SW-846 8082)	REMARKS
TS10036	8/10/09	1130	X		SO		X	X	X	X	X	
TS10037	8/10/09	1130	X		SO		X	X	X	X	X	Additional 4 oz if needed

KEYS

Preservation Key:
A. H2S04
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America - South Burlington	Cooler Custody Seal (✓)	Printed Name: Ben Lawrence	Printed Name:	Printed Name: Chris Kalb
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: [signature]
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: TA Burlington
Fed-Ex Tracking #: 7968 4723 5175	Condition/Cooler Temp:	Date/Time: 8/10/09	Date/Time:	Date/Time: 8/11/09 1025

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10036

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL472

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 803239

Matrix: SOIL

Client: BBLKAL

Date Received: 08/11/09

% Solids: 99.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	08/12/09		%	1	0.10	99.7	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10037

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL472

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 803240

Matrix: SOIL

Client: BBLKAL

Date Received: 08/11/09

% Solids: 95.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	08/12/09		%	1	0.10	95.0	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

SOW No.:

EPA Sample No.	Lab Sample ID.
TS10036	803239
TS10037	803240
TS10037D	803240DP
TS10037S	803240MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10036

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Lab Sample ID: 803239

Level (low/med): LOW Date Received: 08/11/09

% Solids: 99.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.053	U		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	7.6	B		P
7440-43-9	Cadmium	0.12	B		P
7440-47-3	Chromium	7.6			P
7439-97-6	Mercury	0.014	U		CV
7439-92-1	Lead	2.3			P
7782-49-2	Selenium	0.19	B		P

Color Before: gray Clarity Before: Texture: coarse

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10037

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Lab Sample ID: 803240

Level (low/med): LOW Date Received: 08/11/09

% Solids: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.049	U		P
7440-38-2	Arsenic	4.9			P
7440-39-3	Barium	59.4			P
7440-43-9	Cadmium	0.048	B		P
7440-47-3	Chromium	8.6			P
7439-97-6	Mercury	0.013	U		CV
7439-92-1	Lead	5.6			P
7782-49-2	Selenium	0.14	U		P

Color Before: brown Clarity Before: Texture: coarse

Color After: yellow Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.20	106.7	5.0	5.18	103.6	5.27	105.4	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				5.0	5.22	104.4			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	498.90	99.8	100.0	98.76	98.8	99.09	99.1	P
Arsenic	250.0	264.20	105.7	100.0	100.20	100.2	98.02	98.0	P
Barium	500.0	500.30	100.1	200.0	192.10	96.0	196.50	98.2	P
Cadmium	500.0	496.80	99.4	100.0	98.96	99.0	99.50	99.5	P
Chromium	500.0	503.10	100.6	200.0	193.90	97.0	193.70	96.8	P
Lead	1000.0	975.90	97.6	400.0	386.90	96.7	383.10	95.8	P
Selenium	250.0	255.80	102.3	100.0	101.60	101.6	98.73	98.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	6.60	66.0		
Arsenic				10.0	10.46	104.6		
Barium				200.0	192.00	96.0		
Cadmium				5.0	4.85	97.0		
Chromium				10.0	10.00	100.0		
Lead				10.0	8.01	80.1		
Selenium				35.0	31.59	90.3		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	-0.1	B	-0.2	B	0.1	U	-0.023	B	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.5	U	0.5	U	-0.7	B			0.054	U	P
Arsenic	2.1	U	2.1	U	2.1	U			0.210	U	P
Barium	3.1	U	3.1	U	3.1	U			0.310	U	P
Cadmium	-0.3	B	0.2	U	-0.3	B			0.018	U	P
Chromium	0.2	U	0.2	U	0.2	U			0.029	B	P
Lead	-1.9	B	-2.5	B	-1.8	B			-0.150	B	P
Selenium	1.5	U	-1.7	B	1.8	B			0.150	U	P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	208	0	215.3	103.5			
Arsenic	0	95	-4	96.8	101.9			
Barium	0	481	2	478.9	99.6			
Cadmium	0	987	0	1003.0	101.6			
Chromium	0	486	0	495.2	101.9			
Lead	0	48	-5	47.2	98.3			
Selenium	0	52	0	49.0	94.2			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10037S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	85 - 115	0.1482		0.0128	U	0.14	105.9		CV

Comments:

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

TS10037D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.0 % Solids for Duplicate: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0128	U	0.0164	U			CV

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL472

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL472

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	26.3		20.0	30.0	105.2
Arsenic				24.0	24.7		19.2	28.8	102.9
Barium				200.0	206.3		160.0	240.0	103.2
Cadmium				25.0	25.6		20.0	30.0	102.4
Chromium				20.0	21.0		16.0	24.0	105.0
Lead				22.0	22.6		17.6	26.4	102.7
Selenium				25.0	24.1		20.0	30.0	96.4

9

ICP SERIAL DILUTIONS

SAMPLE NO.

TS10036L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.54	U	2.70	U			P
Arsenic	24.79		29.56	B	19.2		P
Barium	76.86	B	73.71	B	4.1		P
Cadmium	1.18	B	2.15	B	82.2		P
Chromium	77.63		80.76		4.0		P
Lead	23.41		19.32	B	17.5		P
Selenium	1.90	B	8.55	B	350.0		P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: Date: 07/22/09

Flame AA ID Number: Leeman Hydra AA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.54	P
Arsenic	189.042		10	2.1	P
Barium	493.409		200	3.1	P
Cadmium	226.502		5	0.18	P
Chromium	267.716		10	0.19	P
Lead	220.353		10	1.4	P
Selenium	196.026		35	1.5	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0006600	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0743217	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0001518	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001225
Molybdenum	202.030	0.0447130	0.0042559	0.0018500	0.0086269	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0024136	-0.0001264
Vanadium	292.402	0.0000000	0.0000000	0.0083899	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000169	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0105618	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0001866
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0129523	0.0000000	0.0000000	0.0000000	0.0001258
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0003715	0.0290852	0.0000000	0.0000000	-0.0023139
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000374
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0006516	0.0000000	0.0020829
Vanadium	292.402	0.0000000	0.0000000	0.0007609	0.0000991	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0003811	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000111	0.0000000	0.0000000	0.0000421
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000168	0.0000000	0.0000000
Manganese	257.610	0.0001367	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0007021	0.0005166	0.0000000	0.0000000	0.0002643
Nickel	231.604	-0.0001397	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000840	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000795	0.0000000	0.0000162	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0005832	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0017004	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0087800	0.0000000	0.0016815	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0023884
Copper	324.754	-0.0007823	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000226	0.0000318	0.0000147	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0002184	0.0000000	0.0009629	0.0000000	0.0005791
Molybdenum	202.030	-0.0023731	-0.0007787	0.0001642	0.0067559	0.0000000
Nickel	231.604	0.0002095	-0.0001417	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0049112	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0006655	-0.0002595	0.0000000	0.0066419	-0.0010827
Vanadium	292.402	-0.0000610	-0.0028037	0.0000000	0.0015099	-0.0002663
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000127			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0003952			
Iron	271.441	0.0000319	0.0000814			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000303			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0161925	-0.0001384			
Nickel	231.604	0.0000000	0.0061855			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0011538	-0.0005608			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	5000.0	P

Comments:

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS081309A	08/13/09	0.50	50.0
PBS081309A	08/13/09	0.30	50.0
TS10036	08/13/09	0.36	50.0
TS10037	08/13/09	0.41	50.0
TS10037D	08/13/09	0.32	50.0
TS10037S	08/13/09	0.38	50.0

USEPA-CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL472

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS081409B	08/14/09	1.00	100.0
PBS081409B	08/14/09	1.00	100.0
TS10036	08/14/09	1.02	100.0
TS10037	08/14/09	1.17	100.0

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 08/17/09 End Date: 08/17/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0926																X									
S0.2	1.00	0928																X									
S0.5	1.00	0930																X									
S1	1.00	0932																X									
S5	1.00	0934																X									
S10	1.00	0936																X									
ICV	1.00	0938																X									
ICB	1.00	0940																X									
CCV	1.00	0941																X									
CCB	1.00	0943																X									
PBS081309A	1.00	0945																X									
LCSS081309A	1.00	0947																X									
ZZZZZZ	1.00	0949																									
ZZZZZZ	1.00	0951																									
ZZZZZZ	1.00	0953																									
ZZZZZZ	1.00	0955																									
ZZZZZZ	1.00	0957																									
ZZZZZZ	1.00	0959																									
ZZZZZZ	1.00	1001																									
CCV	1.00	1003																X									
CCB	1.00	1005																X									
ZZZZZZ	1.00	1007																									
ZZZZZZ	1.00	1009																									
ZZZZZZ	1.00	1011																									
ZZZZZZ	1.00	1013																									
TS10036	1.00	1015																X									
TS10037	1.00	1016																X									
TS10037S	1.00	1018																X									
TS10037D	1.00	1020																X									
ZZZZZZ	1.00	1022																									
CCV	1.00	1024																X									
CCB	1.00	1026																X									

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 08/20/09 End Date: 08/20/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1505				X	X		X		X				X						X	X					
STD7	1.00	1509																									
STD8	1.00	1513				X									X						X						
STD4	1.00	1517					X		X		X											X					
ICV	1.00	1521				X	X		X		X				X						X	X					
ICB	1.00	1525				X	X		X		X				X						X	X					
ICSA	1.00	1529				X	X		X		X				X						X	X					
ICSAB	1.00	1533				X	X		X		X				X						X	X					
CRI	1.00	1536				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1540																									
CCV	1.00	1544				X	X		X		X				X						X	X					
CCB	1.00	1548				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1552																									
ZZZZZZ	1.00	1556																									
PBS081409B	1.00	1600				X	X		X		X				X						X	X					
LCSS081409B	1.00	1604				X	X		X		X				X						X	X					
TS10036	1.00	1608				X	X		X		X				X						X	X					
TS10036L	5.00	1612				X	X		X		X				X						X	X					
TS10037	1.00	1616				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1620																									
ZZZZZZ	5.00	1624																									
ZZZZZZ	1.00	1627																									
CCV	1.00	1631				X	X		X		X				X						X	X					
CCB	1.00	1635				X	X		X		X				X						X	X					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	4.5	U
74-87-3	Chloromethane	4.5	U
75-01-4	Vinyl Chloride	4.5	U
74-83-9	Bromomethane	4.5	U
75-00-3	Chloroethane	4.5	U
75-69-4	Trichlorofluoromethane	4.5	U
75-35-4	1,1-Dichloroethene	4.5	U
76-13-1	Freon TF	4.5	U
67-64-1	Acetone	4.5	U
75-15-0	Carbon Disulfide	4.5	U
75-09-2	Methylene Chloride	4.5	U
156-60-5	trans-1,2-Dichloroethene	4.5	U
1634-04-4	Methyl-t-Butyl Ether	4.5	U
75-34-3	1,1-Dichloroethane	4.5	U
156-59-2	cis-1,2-Dichloroethene	4.5	U
78-93-3	2-Butanone	4.5	U
74-97-5	Bromochloromethane	4.5	U
67-66-3	Chloroform	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	U
56-23-5	Carbon Tetrachloride	4.5	U
71-43-2	Benzene	4.5	U
107-06-2	1,2-Dichloroethane	4.5	U
79-01-6	Trichloroethene	4.5	U
78-87-5	1,2-Dichloropropane	4.5	U
75-27-4	Bromodichloromethane	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	U
108-10-1	4-Methyl-2-pentanone	4.5	U
108-88-3	Toluene	4.5	U
10061-02-6	trans-1,3-Dichloropropene	4.5	U
79-00-5	1,1,2-Trichloroethane	4.5	U
127-18-4	Tetrachloroethene	4.5	U
591-78-6	2-Hexanone	4.5	U
124-48-1	Dibromochloromethane	4.5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	4.5	U
108-90-7	Chlorobenzene	4.5	U
100-41-4	Ethylbenzene	4.5	U
1330-20-7	Xylene (total)	4.5	U
100-42-5	Styrene	4.5	U
75-25-2	Bromoform	4.5	U
98-82-8	Isopropylbenzene	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	4.5	U
120-82-1	1,2,4-Trichlorobenzene	4.5	U
87-61-6	1,2,3-Trichlorobenzene	4.5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
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20.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. 5 Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	4.7	U
74-87-3	Chloromethane	4.7	U
75-01-4	Vinyl Chloride	4.7	U
74-83-9	Bromomethane	4.7	U
75-00-3	Chloroethane	4.7	U
75-69-4	Trichlorofluoromethane	4.7	U
75-35-4	1,1-Dichloroethene	4.7	U
76-13-1	Freon TF	4.7	U
67-64-1	Acetone	4.7	U
75-15-0	Carbon Disulfide	4.7	U
75-09-2	Methylene Chloride	4.7	U
156-60-5	trans-1,2-Dichloroethene	4.7	U
1634-04-4	Methyl-t-Butyl Ether	4.7	U
75-34-3	1,1-Dichloroethane	4.7	U
156-59-2	cis-1,2-Dichloroethene	4.7	U
78-93-3	2-Butanone	4.7	U
74-97-5	Bromochloromethane	4.7	U
67-66-3	Chloroform	4.7	U
71-55-6	1,1,1-Trichloroethane	4.7	U
56-23-5	Carbon Tetrachloride	4.7	U
71-43-2	Benzene	4.7	U
107-06-2	1,2-Dichloroethane	4.7	U
79-01-6	Trichloroethene	4.7	U
78-87-5	1,2-Dichloropropane	4.7	U
75-27-4	Bromodichloromethane	4.7	U
10061-01-5	cis-1,3-Dichloropropene	4.7	U
108-10-1	4-Methyl-2-pentanone	4.7	U
108-88-3	Toluene	4.7	U
10061-02-6	trans-1,3-Dichloropropene	4.7	U
79-00-5	1,1,2-Trichloroethane	4.7	U
127-18-4	Tetrachloroethene	4.7	U
591-78-6	2-Hexanone	4.7	U
124-48-1	Dibromochloromethane	4.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. 5 Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	4.7	U
108-90-7	Chlorobenzene	4.7	U
100-41-4	Ethylbenzene	4.7	U
1330-20-7	Xylene (total)	4.7	U
100-42-5	Styrene	4.7	U
75-25-2	Bromoform	4.7	U
98-82-8	Isopropylbenzene	4.7	U
79-34-5	1,1,2,2-Tetrachloroethane	4.7	U
541-73-1	1,3-Dichlorobenzene	4.7	U
106-46-7	1,4-Dichlorobenzene	4.7	U
95-50-1	1,2-Dichlorobenzene	4.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	4.7	U
120-82-1	1,2,4-Trichlorobenzene	4.7	U
87-61-6	1,2,3-Trichlorobenzene	4.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. 5 Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK082009NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVXB03A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK082009NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVXB03A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK082009NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVXB03A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA082009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: NA082009LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVX50AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	64	
75-01-4	Vinyl Chloride	61	
74-83-9	Bromomethane	65	
75-00-3	Chloroethane	66	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	52	
76-13-1	Freon TF	49	
67-64-1	Acetone	42	
75-15-0	Carbon Disulfide	63	
75-09-2	Methylene Chloride	64	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl-t-Butyl Ether	50	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	51	
78-93-3	2-Butanone	50	
74-97-5	Bromochloromethane	55	
67-66-3	Chloroform	51	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon Tetrachloride	51	
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	52	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	57	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	42	
79-00-5	1,1,2-Trichloroethane	43	
127-18-4	Tetrachloroethene	45	
591-78-6	2-Hexanone	51	
124-48-1	Dibromochloromethane	44	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA082009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: NA082009LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVX50AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	44	
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	53	
1330-20-7	Xylene (total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	47	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	51	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	50	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	50	
87-61-6	1,2,3-Trichlorobenzene	50	

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NA082009LCS	101	94	101	100	0
02	MBLK082009NA	110	102	106	102	0
03	TS10036	110	100	103	99	0
04	TS10037	108	101	105	100	0
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - Sample No.: NA082009LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		110	110	80-120
Xylene (o)	50		53	106	85-120
Dichlorodifluoromethane	50		57	114	30-180
Chloromethane	50		64	128	55-150
Vinyl Chloride	50		61	122	65-145
Bromomethane	50		65	130	65-145
Chloroethane	50		66	132	70-135
Trichlorofluoromethane	50		46	92	70-140
1,1-Dichloroethene	50		52	104	75-135
Freon TF	50		49	98	75-140
Acetone	50		42	84	50-130
Carbon Disulfide	50		63	126	80-135
Methylene Chloride	50		64	128	75-140
trans-1,2-Dichloroethen	50		53	106	80-130
Methyl-t-Butyl Ether	50		50	100	85-130
1,1-Dichloroethane	50		51	102	85-120
cis-1,2-Dichloroethene	50		51	102	80-120
2-Butanone	50		50	100	70-135
Bromochloromethane	50		55	110	75-125
Chloroform	50		51	102	85-120
1,1,1-Trichloroethane	50		51	102	80-115
Carbon Tetrachloride	50		51	102	80-115
Benzene	50		53	106	85-120
1,2-Dichloroethane	50		52	104	75-120
Trichloroethene	50		52	104	85-120
1,2-Dichloropropane	50		52	104	85-120
Bromodichloromethane	50		54	108	80-115
cis-1,3-Dichloropropene	50		54	108	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - Sample No.: NA082009LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		57	114	65-135
Toluene	50		50	100	75-125
trans-1,3-Dichloroprope	50		42	84*	85-120
1,1,2-Trichloroethane	50		43	86	75-125
Tetrachloroethene	50		45	90	85-120
2-Hexanone	50		51	102	70-135
Dibromochloromethane	50		44	88	80-120
1,2-Dibromoethane	50		44	88	80-120
Chlorobenzene	50		51	102	80-120
Ethylbenzene	50		53	106	80-120
Xylene (total)	150		160	107	85-120
Styrene	50		53	106	80-125
Bromoform	50		47	94	75-130
Isopropylbenzene	50		50	100	85-120
1,1,2,2-Tetrachloroetha	50		51	102	75-125
1,3-Dichlorobenzene	50		51	102	80-120
1,4-Dichlorobenzene	50		50	100	85-120
1,2-Dichlorobenzene	50		52	104	85-120
1,2-Dibromo-3-Chloropro	50		51	102	65-130
1,2,4-Trichlorobenzene	50		50	100	80-125
1,2,3-Trichlorobenzene	50		50	100	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 49 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: NVXB03A Lab Sample ID: MBLK082009NA

Date Analyzed: 08/20/09 Time Analyzed: 1237

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA082009LCS	NA082009LCS	NVX50AQ	1110
02	TS10036	803239	803239	1324
03	TS10037	803240	803240	1354
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COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: NVX01PV BFB Injection Date: 08/19/09

Instrument ID: N BFB Injection Time: 1559

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	65.5
175	5.0 - 9.0% of mass 174	4.8 (7.3)1
176	95.0 - 101.0% of mass 174	64.5 (98.5)1
177	5.0 - 9.0% of mass 176	4.4 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NVX005V	08/19/09	1652
02	VSTD020	VSTD020	NVX020V	08/19/09	1722
03	VSTD050	VSTD050	NVX050V	08/19/09	1753
04	VSTD100	VSTD100	NVX100V	08/19/09	1823
05	VSTD200	VSTD200	NVX200V	08/19/09	1853
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: NVX02PV BFB Injection Date: 08/20/09

Instrument ID: N BFB Injection Time: 0946

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	64.8
175	5.0 - 9.0% of mass 174	4.9 (7.6)1
176	95.0 - 101.0% of mass 174	63.0 (97.2)1
177	5.0 - 9.0% of mass 176	4.4 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	NVX50AV	08/20/09	1039
02	NA082009LCS	NA082009LCS	NVX50AQ	08/20/09	1110
03	MBLK082009NA	MBLK082009NA	NVXB03A	08/20/09	1237
04	TS10036	803239	803239	08/20/09	1324
05	TS10037	803240	803240	08/20/09	1354
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FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Calibration Time(s): 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NVX005V RRF20 =NVX020V
RRF50 =NVX050V RRF100=NVX100V RRF200=NVX200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	* 0.955	0.868	0.950	0.965	0.942	0.936	4.2*
Chloromethane	* 0.448	0.395	0.429	0.441	0.448	0.432	5.1*
Vinyl Chloride	* 0.446	0.424	0.451	0.475	0.466	0.452	4.3*
Bromomethane	* 0.342	0.341	0.358	0.369	0.370	0.356	4.0*
Chloroethane	* 0.296	0.263	0.260	0.258	0.189	0.253	15.5*<-
Trichlorofluoromethane	* 0.843	0.837	0.809	0.923	1.083	0.899	12.4*
1,1-Dichloroethene	* 0.305	0.316	0.298	0.304	0.357	0.316	7.5*
Freon TF	* 0.709	0.731	0.690	0.675	0.674	0.696	3.5*
Acetone	* 0.095	0.064	0.070	0.059	0.061	0.070	20.9*<-
Carbon Disulfide	* 1.065	1.112	1.178	1.258	1.257	1.174	7.3*
Methylene Chloride	* 0.374	0.384	0.411	0.433	0.436	0.408	6.8*
trans-1,2-Dichloroethene	* 0.330	0.346	0.328	0.325	0.329	0.332	2.5*
Methyl-t-Butyl Ether	* 0.679	0.704	0.682	0.652	0.634	0.670	4.1*
1,1-Dichloroethane	* 0.645	0.653	0.610	0.617	0.628	0.631	2.9*
cis-1,2-Dichloroethene	* 0.343	0.360	0.340	0.344	0.349	0.347	2.3*
2-Butanone	* 0.027	0.026	0.027	0.025	0.026	0.026	3.3*
Bromochloromethane	* 0.243	0.254	0.262	0.282	0.295	0.267	8.0*
Chloroform	* 0.697	0.716	0.678	0.697	0.681	0.694	2.2*
1,1,1-Trichloroethane	* 0.631	0.679	0.636	0.640	0.656	0.648	3.0*
Carbon Tetrachloride	* 0.618	0.662	0.629	0.638	0.648	0.639	2.6*
Benzene	* 0.824	0.879	0.831	0.832	0.805	0.834	3.3*
1,2-Dichloroethane	* 0.389	0.400	0.385	0.380	0.380	0.387	2.1*
Trichloroethene	* 0.486	0.520	0.503	0.504	0.507	0.504	2.4*
1,2-Dichloropropane	* 0.447	0.461	0.440	0.438	0.436	0.444	2.3*
Bromodichloromethane	* 0.829	0.858	0.859	0.865	0.882	0.859	2.2*
cis-1,3-Dichloropropene	* 0.683	0.697	0.675	0.694	0.705	0.691	1.7*
4-Methyl-2-pentanone	* 0.404	0.356	0.380	0.344	0.383	0.373	6.4*
Toluene	* 0.662	0.736	0.688	0.671	0.662	0.684	4.5*
trans-1,3-Dichloropropene	* 0.464	0.543	0.504	0.506	0.518	0.507	5.6*
1,1,2-Trichloroethane	* 0.254	0.305	0.290	0.283	0.288	0.284	6.6*
Tetrachloroethene	* 0.444	0.529	0.500	0.488	0.508	0.494	6.4*
2-Hexanone	* 0.233	0.213	0.226	0.213	0.226	0.222	3.9*
Dibromochloromethane	* 0.578	0.687	0.647	0.650	0.659	0.644	6.3*
1,2-Dibromoethane	* 0.489	0.575	0.551	0.550	0.572	0.547	6.3*
Chlorobenzene	* 0.925	1.004	0.969	0.979	0.974	0.970	3.0*
Ethylbenzene	* 1.543	1.593	1.529	1.593	1.464	1.544	3.5*
Xylene (total)	* 0.582	0.588	0.578	0.600	0.542	0.578	3.8*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Calibration Time(s): 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NVX005V RRF20 =NVX020V
RRF50 =NVX050V RRF100=NVX100V RRF200=NVX200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene *	0.974	1.008	0.990	1.036	0.935	0.989	3.8*
Bromoform *	0.425	0.501	0.508	0.515	0.534	0.497	8.4*
Isopropylbenzene *	2.765	2.916	2.724	2.787	2.838	2.806	2.6*
1,1,2,2-Tetrachloroethane *	0.980	1.121	1.098	1.067	1.144	1.082	5.9*
1,3-Dichlorobenzene *	1.370	1.459	1.432	1.442	1.456	1.432	2.5*
1,4-Dichlorobenzene *	1.500	1.578	1.562	1.561	1.546	1.549	1.9*
1,2-Dichlorobenzene *	1.275	1.350	1.330	1.322	1.315	1.318	2.1*
1,2-Dibromo-3-Chloropropane *	0.280	0.295	0.308	0.303	0.311	0.299	4.1*
1,2,4-Trichlorobenzene *	1.020	1.077	1.088	1.070	1.071	1.065	2.5*
1,2,3-Trichlorobenzene *	0.921	0.950	0.975	0.969	0.983	0.960	2.6*
1,2-Dichloroethane-d4 *	0.313	0.319	0.313	0.314	0.315	0.315	0.8*
Toluene-d8 *	0.998	1.080	1.026	1.004	1.016	1.025	3.2*
Bromofluorobenzene *	1.322	1.396	1.328	1.362	1.356	1.353	2.2*
1,2-Dichlorobenzene-d4 *	0.872	0.892	0.883	0.884	0.876	0.881	0.9*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date: 08/20/09 Time: 1039

Lab File ID: NVX50AV Init. Calib. Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Init. Calib. Times: 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.936	0.833		11.0	20.0
Chloromethane	0.432	0.367	0.1	15.0	20.0
Vinyl Chloride	0.452	0.403		10.8	20.0
Bromomethane	0.356	0.321		9.8	20.0
Chloroethane	0.253	0.235		7.1	20.0
Trichlorofluoromethane	0.899	0.842		6.3	20.0
1,1-Dichloroethene	0.316	0.292		7.6	20.0
Freon TF	0.696	0.678		2.6	20.0
Acetone	0.070	0.067		4.3	20.0
Carbon Disulfide	1.174	1.041		11.3	20.0
Methylene Chloride	0.408	0.354		13.2	20.0
trans-1,2-Dichloroethene	0.332	0.321		3.3	20.0
Methyl-t-Butyl Ether	0.670	0.652		2.7	20.0
1,1-Dichloroethane	0.631	0.597	0.1	5.4	20.0
cis-1,2-Dichloroethene	0.347	0.328		5.5	20.0
2-Butanone	0.026	0.025		3.8	20.0
Bromochloromethane	0.267	0.238		10.9	20.0
Chloroform	0.694	0.654		5.8	20.0
1,1,1-Trichloroethane	0.648	0.606		6.5	20.0
Carbon Tetrachloride	0.639	0.596		6.7	20.0
Benzene	0.834	0.773		7.3	20.0
1,2-Dichloroethane	0.387	0.357		7.8	20.0
Trichloroethene	0.504	0.479		5.0	20.0
1,2-Dichloropropane	0.444	0.420		5.4	20.0
Bromodichloromethane	0.859	0.807		6.0	20.0
cis-1,3-Dichloropropene	0.691	0.639		7.5	20.0
4-Methyl-2-pentanone	0.373	0.339		9.1	20.0
Toluene	0.684	0.648		5.3	20.0
trans-1,3-Dichloropropene	0.507	0.517		2.0	20.0
1,1,2-Trichloroethane	0.284	0.294		3.5	20.0
Tetrachloroethene	0.494	0.478		3.2	20.0
2-Hexanone	0.222	0.231		4.0	20.0
Dibromochloromethane	0.644	0.644		0.0	20.0
1,2-Dibromoethane	0.547	0.549		0.4	20.0
Chlorobenzene	0.970	0.901	0.3	7.1	20.0
Ethylbenzene	1.544	1.430		7.4	20.0
Xylene (total)	0.578	0.520		10.0	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date: 08/20/09 Time: 1039

Lab File ID: NVX50AV Init. Calib. Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Init. Calib. Times: 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	0.989	0.902		8.8	20.0
Bromoform	0.497	0.474	0.1	4.6	20.0
Isopropylbenzene	2.806	2.545		9.3	20.0
1,1,2,2-Tetrachloroethane	1.082	1.048	0.3	3.1	20.0
1,3-Dichlorobenzene	1.432	1.315		8.2	20.0
1,4-Dichlorobenzene	1.549	1.412		8.8	20.0
1,2-Dichlorobenzene	1.318	1.202		8.8	20.0
1,2-Dibromo-3-Chloropropane	0.299	0.264		11.7	20.0
1,2,4-Trichlorobenzene	1.065	0.993		6.8	20.0
1,2,3-Trichlorobenzene	0.960	0.875		8.8	20.0
1,2-Dichloroethane-d4	0.315	0.296		6.0	20.0
Toluene-d8	1.025	0.950		7.3	20.0
Bromofluorobenzene	1.353	1.260		6.9	20.0
1,2-Dichlorobenzene-d4	0.881	0.798		9.4	20.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID (Standard): NVX50AV Date Analyzed: 08/20/09

Instrument ID: N Time Analyzed: 1039

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	2079494	9.84	2347734	15.77	1398606	20.08
	UPPER LIMIT	4158988	10.34	4695468	16.27	2797212	20.58
	LOWER LIMIT	1039747	9.34	1173867	15.27	699303	19.58
	CLIENT SAMPLE NO.						
01	NA082009LCS	1316999	9.83	2095467	15.76	1311398	20.08
02	MBLK082009NA	2182302	9.83	2412644	15.76	1297732	20.08
03	TS10036	2001180	9.82	2357756	15.77	1347207	20.08
04	TS10037	1823356	9.82	2243651	15.77	1292065	20.08
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	830	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	3.38	220	NJAB
2.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.14	16000	NJAB
3.		UNKNOWN	12.55	100	JB
4.		UNKNOWN	23.05	440	JB
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 5 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	18	J
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	350	U
92-52-4	1,1'-Biphenyl	350	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	870	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 5 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	870	U
132-64-9	Dibenzofuran	350	U
100-02-7	4-Nitrophenol	870	U
121-14-2	2,4-Dinitrotoluene	350	U
86-73-7	Fluorene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
56-55-3	Benzo(a)anthracene	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	21	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 5 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-79-7	3-PENTEN-2-ONE, 4-METHYL-	3.38	230	NJAB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.14	15000	NJAB
3. 134-62-3	DIETHYLTOLUAMIDE	11.77	96	NJ
4.	UNKNOWN	12.55	150	JB
5. 6006-01-5	3,7,11-TRIDECATRIENENITRILE,	18.94	110	NJ
6.	UNKNOWN	23.06	960	JB
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081209E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081209E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	830	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081209E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0812E

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-79-7	3-PENTEN-2-ONE, 4-METHYL-	3.37	210	NJA
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.12	13000	NJA
3.	UNKNOWN	12.54	96	J
4.	UNKNOWN	23.05	330	J
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 803239M

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1700	
111-44-4	bis(2-Chloroethyl)Ether	1800	
95-57-8	2-Chlorophenol	1800	
95-48-7	2-Methylphenol	1800	
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	
98-86-2	Acetophenone	51	J
106-44-5	4-Methylphenol	1800	
621-64-7	N-Nitroso-di-n-propylamine	1700	
67-72-1	Hexachloroethane	1600	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1800	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1700	
111-91-1	bis(2-Chloroethoxy)methane	1800	
120-83-2	2,4-Dichlorophenol	1800	
91-20-3	Naphthalene	1800	
106-47-8	4-Chloroaniline	930	
87-68-3	Hexachlorobutadiene	1700	
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	1700	
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	
77-47-4	Hexachlorocyclopentadiene	1400	
88-06-2	2,4,6-Trichlorophenol	1800	
95-95-4	2,4,5-Trichlorophenol	1700	
91-58-7	2-Chloronaphthalene	1400	
92-52-4	1,1'-Biphenyl	170	J
88-74-4	2-Nitroaniline	1500	
131-11-3	Dimethylphthalate	1700	
208-96-8	Acenaphthylene	1700	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	920	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 803239M

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	640	J
132-64-9	Dibenzofuran	1800	
100-02-7	4-Nitrophenol	1500	
121-14-2	2,4-Dinitrotoluene	1700	
86-73-7	Fluorene	1700	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1700	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1300	
86-30-6	N-nitrosodiphenylamine (1)	1800	
101-55-3	4-Bromophenyl-phenylether	1900	
118-74-1	Hexachlorobenzene	1900	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	1800	
86-74-8	Carbazole	1700	
84-74-2	Di-n-butylphthalate	1700	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	1900	
56-55-3	Benzo(a)anthracene	1700	
91-94-1	3,3'-Dichlorobenzidine	1000	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	1900	
117-84-0	Di-n-octylphthalate	1900	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	1700	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	2000	
53-70-3	Dibenz(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	2200	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MD

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 803239S

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	81	J
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	1800	
95-57-8	2-Chlorophenol	1800	
95-48-7	2-Methylphenol	1900	
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	
98-86-2	Acetophenone	48	J
106-44-5	4-Methylphenol	1800	
621-64-7	N-Nitroso-di-n-propylamine	1800	
67-72-1	Hexachloroethane	1600	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1800	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1600	
111-91-1	bis(2-Chloroethoxy)methane	1800	
120-83-2	2,4-Dichlorophenol	1800	
91-20-3	Naphthalene	1700	
106-47-8	4-Chloroaniline	1100	
87-68-3	Hexachlorobutadiene	1700	
105-60-2	Caprolactam	150	J
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	1700	
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	
77-47-4	Hexachlorocyclopentadiene	1400	
88-06-2	2,4,6-Trichlorophenol	1800	
95-95-4	2,4,5-Trichlorophenol	1700	
91-58-7	2-Chloronaphthalene	1400	
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	1600	
131-11-3	Dimethylphthalate	1700	
208-96-8	Acenaphthylene	1700	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	1100	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MD

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 803239S

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/12/09

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/17/09

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	550	J
132-64-9	Dibenzofuran	1700	
100-02-7	4-Nitrophenol	1400	
121-14-2	2,4-Dinitrotoluene	1600	
86-73-7	Fluorene	1700	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1200	
86-30-6	N-nitrosodiphenylamine (1)	1800	
101-55-3	4-Bromophenyl-phenylether	2000	
118-74-1	Hexachlorobenzene	2000	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	1700	
86-74-8	Carbazole	1800	
84-74-2	Di-n-butylphthalate	1700	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	1900	
56-55-3	Benzo(a)anthracene	1700	
91-94-1	3,3'-Dichlorobenzidine	1100	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	1800	
117-84-0	Di-n-octylphthalate	1800	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	1800	
193-39-5	Indeno(1,2,3-cd)pyrene	2000	
53-70-3	Dibenz(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	2200	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E081209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: E081209LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	1700	
95-57-8	2-Chlorophenol	1700	
95-48-7	2-Methylphenol	1800	
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	1800	
621-64-7	N-Nitroso-di-n-propylamine	1800	
67-72-1	Hexachloroethane	1500	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1800	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1600	
111-91-1	bis(2-Chloroethoxy)methane	1800	
120-83-2	2,4-Dichlorophenol	1800	
91-20-3	Naphthalene	1700	
106-47-8	4-Chloroaniline	1000	
87-68-3	Hexachlorobutadiene	1600	
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	1600	
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	
77-47-4	Hexachlorocyclopentadiene	1400	
88-06-2	2,4,6-Trichlorophenol	1700	
95-95-4	2,4,5-Trichlorophenol	1700	
91-58-7	2-Chloronaphthalene	1300	
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	1500	
131-11-3	Dimethylphthalate	1700	
208-96-8	Acenaphthylene	1700	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	840	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E081209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: E081209LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	1500	
132-64-9	Dibenzofuran	1700	
100-02-7	4-Nitrophenol	1600	
121-14-2	2,4-Dinitrotoluene	1600	
86-73-7	Fluorene	1700	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1600	
86-30-6	N-nitrosodiphenylamine (1)	1700	
101-55-3	4-Bromophenyl-phenylether	1800	
118-74-1	Hexachlorobenzene	1800	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1300	
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	1700	
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	1800	
56-55-3	Benzo(a)anthracene	1600	
91-94-1	3,3'-Dichlorobenzidine	1000	
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl)phthalate	1800	
117-84-0	Di-n-octylphthalate	1800	
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenz(a,h)anthracene	1700	
191-24-2	Benzo(g,h,i)perylene	1800	

(1) - Cannot be separated from Diphenylamine

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	E081209LCS	86	88	86	83	84	85	90	93	0
02	MBLK081209E	85	85	85	72	77	74	88	105	0
03	TS10036	82	82	81	70	77	76	68	105	0
04	TS10036MS	82	83	83	81	81	83	78	86	0
05	TS10036MSD	80	81	82	78	80	80	80	84	0
06	TS10037	89	87	88	68	81	78	80	111	0
07										
08										
09										
10										
11										
12										
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30										

		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	1700	0.0	1700	100	60-140
bis(2-Chloroethyl)Ether	1700	0.0	1800	106	60-125
2-Chlorophenol	1700	0.0	1800	106	60-125
2-Methylphenol	1700	0.0	1800	106	50-135
2,2'-oxybis(1-Chloropro	1700	0.0	1700	100	60-130
4-Methylphenol	1700	0.0	1800	106	35-140
N-Nitroso-di-n-prop.(1)	1700	0.0	1700	100	45-125
Hexachloroethane	1700	0.0	1600	94	55-120
Nitrobenzene	1700	0.0	1700	100	55-120
Isophorone	1700	0.0	1800	106	50-115
2-Nitrophenol	1700	0.0	1700	100	55-135
2,4-Dimethylphenol	1700	0.0	1700	100	25-150
bis(2-Chloroethoxy)meth	1700	0.0	1800	106	55-125
2,4-Dichlorophenol	1700	0.0	1800	106	55-130
Naphthalene	1700	0.0	1800	106	55-120
4-Chloroaniline	1700	0.0	930	55	10- 90
Hexachlorobutadiene	1700	0.0	1700	100	50-130
4-Chloro-3-Methylphenol	1700	0.0	1700	100	60-140
2-Methylnaphthalene	1700	0.0	1700	100	45-150
Hexachlorocyclopentadie	1700	0.0	1400	82	30-105
2,4,6-Trichlorophenol	1700	0.0	1800	106	60-135
2,4,5-Trichlorophenol	1700	0.0	1700	100	60-130
2-Chloronaphthalene	1700	0.0	1400	82	45-120
2-Nitroaniline	1700	0.0	1500	88	50-125
Dimethylphthalate	1700	0.0	1700	100	55-120
Acenaphthylene	1700	0.0	1700	100	50-115
2,6-Dinitrotoluene	1700	0.0	1700	100	55-130
3-Nitroaniline	1700	0.0	920	54	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1700	0.0	1700	100	55-120
2,4-Dinitrophenol	1700	0.0	640	38	25-160
Dibenzofuran	1700	0.0	1800	106	55-120
4-Nitrophenol	1700	0.0	1500	88	30-155
2,4-Dinitrotoluene	1700	0.0	1700	100	50-120
Fluorene	1700	0.0	1700	100	50-125
Diethylphthalate	1700	0.0	1600	94	50-125
4-Chlorophenyl-phenylet	1700	0.0	1700	100	50-120
4-Nitroaniline	1700	0.0	1500	88	25-115
4,6-Dinitro-2-methylphe	1700	0.0	1300	76	55-160
N-nitrosodiphenylamine	1700	0.0	1800	106	45-130
4-Bromophenyl-phenyleth	1700	0.0	1900	112	55-130
Hexachlorobenzene	1700	0.0	1900	112	55-125
Pentachlorophenol	1700	0.0	1400	82	50-140
Phenanthrene	1700	0.0	1800	106	60-125
Anthracene	1700	0.0	1800	106	60-125
Carbazole	1700	0.0	1700	100	55-125
Di-n-butylphthalate	1700	0.0	1700	100	50-120
Fluoranthene	1700	0.0	1600	94	50-120
Pyrene	1700	0.0	1800	106	35-175
Butylbenzylphthalate	1700	0.0	1900	112	65-145
Benzo(a)anthracene	1700	0.0	1700	100	55-130
3,3'-Dichlorobenzidine	1700	0.0	1000	59	10-120
Chrysene	1700	0.0	1800	106	60-125
bis(2-Ethylhexyl)phthal	1700	0.0	1900	112	55-140
Di-n-octylphthalate	1700	0.0	1900	112	60-135
Benzo(b)fluoranthene	1700	0.0	2100	124	45-130
Benzo(k)fluoranthene	1700	0.0	1700	100	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Benzo(a)pyrene	1700	0.0	1700	100	55-120
Indeno(1,2,3-cd)pyrene	1700	0.0	2000	118	55-135
Dibenz(a,h)anthracene	1700	0.0	2000	118	35-145
Benzo(g,h,i)perylene	1700	0.0	2200	129	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	1700	1800	106	6	30	60-140
bis(2-Chloroethyl)Ether	1700	1800	106	0	30	60-125
2-Chlorophenol	1700	1800	106	0	30	60-125
2-Methylphenol	1700	1900	112	6	30	50-135
2,2'-oxybis(1-Chloropro	1700	1700	100	0	30	60-130
4-Methylphenol	1700	1800	106	0	30	35-140
N-Nitroso-di-n-prop.(1)	1700	1800	106	6	30	45-125
Hexachloroethane	1700	1600	94	0	30	55-120
Nitrobenzene	1700	1700	100	0	30	55-120
Isophorone	1700	1800	106	0	30	50-115
2-Nitrophenol	1700	1700	100	0	30	55-135
2,4-Dimethylphenol	1700	1600	94	6	30	25-150
bis(2-Chloroethoxy)meth	1700	1800	106	0	30	55-125
2,4-Dichlorophenol	1700	1800	106	0	30	55-130
Naphthalene	1700	1700	100	6	30	55-120
4-Chloroaniline	1700	1100	65	17	50	10- 90
Hexachlorobutadiene	1700	1700	100	0	30	50-130
4-Chloro-3-Methylphenol	1700	1700	100	0	30	60-140
2-Methylnaphthalene	1700	1700	100	0	30	45-150
Hexachlorocyclopentadie	1700	1400	82	0	40	30-105
2,4,6-Trichlorophenol	1700	1800	106	0	30	60-135
2,4,5-Trichlorophenol	1700	1700	100	0	30	60-130
2-Chloronaphthalene	1700	1400	82	0	30	45-120
2-Nitroaniline	1700	1600	94	6	30	50-125
Dimethylphthalate	1700	1700	100	0	30	55-120
Acenaphthylene	1700	1700	100	0	30	50-115
2,6-Dinitrotoluene	1700	1700	100	0	30	55-130
3-Nitroaniline	1700	1100	65	18	30	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1700	1700	100	0	30	55-120
2,4-Dinitrophenol	1700	550	32	17	30	25-160
Dibenzofuran	1700	1700	100	6	30	55-120
4-Nitrophenol	1700	1400	82	7	30	30-155
2,4-Dinitrotoluene	1700	1600	94	6	30	50-120
Fluorene	1700	1700	100	0	30	50-125
Diethylphthalate	1700	1600	94	0	30	50-125
4-Chlorophenyl-phenylet	1700	1600	94	6	30	50-120
4-Nitroaniline	1700	1500	88	0	30	25-115
4,6-Dinitro-2-methylphe	1700	1200	70	8	30	55-160
N-nitrosodiphenylamine	1700	1800	106	0	30	45-130
4-Bromophenyl-phenyleth	1700	2000	118	5	30	55-130
Hexachlorobenzene	1700	2000	118	5	30	55-125
Pentachlorophenol	1700	1400	82	0	30	50-140
Phenanthrene	1700	1800	106	0	30	60-125
Anthracene	1700	1700	100	6	30	60-125
Carbazole	1700	1800	106	6	30	55-125
Di-n-butylphthalate	1700	1700	100	0	30	50-120
Fluoranthene	1700	1600	94	0	30	50-120
Pyrene	1700	1800	106	0	30	35-175
Butylbenzylphthalate	1700	1900	112	0	30	65-145
Benzo(a)anthracene	1700	1700	100	0	30	55-130
3,3'-Dichlorobenzidine	1700	1100	65	10	50	10-120
Chrysene	1700	1800	106	0	30	60-125
bis(2-Ethylhexyl)phthal	1700	1800	106	6	30	55-140
Di-n-octylphthalate	1700	1800	106	6	30	60-135
Benzo(b)fluoranthene	1700	2100	124	0	30	45-130
Benzo(k)fluoranthene	1700	1800	106	6	30	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzo(a)pyrene	1700	1800	106	6	30	55-120
Indeno(1,2,3-cd)pyrene	1700	2000	118	0	30	55-135
Dibenz(a,h)anthracene	1700	2000	118	0	30	35-145
Benzo(g,h,i)perylene	1700	2200	129	0	30	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 60 outside limits
Spike Recovery: 0 out of 120 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - STLVT Sample No.: E081209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	1700		1800	106	60-140
bis(2-Chloroethyl)Ether	1700		1700	100	60-125
2-Chlorophenol	1700		1700	100	60-125
2-Methylphenol	1700		1800	106	50-135
2,2'-oxybis(1-Chloropro	1700		1700	100	60-130
4-Methylphenol	1700		1800	106	35-140
N-Nitroso-di-n-prop.(1)	1700		1800	106	45-125
Hexachloroethane	1700		1500	88	55-120
Nitrobenzene	1700		1700	100	55-120
Isophorone	1700		1800	106	50-115
2-Nitrophenol	1700		1700	100	55-135
2,4-Dimethylphenol	1700		1600	94	25-150
bis(2-Chloroethoxy)meth	1700		1800	106	55-125
2,4-Dichlorophenol	1700		1800	106	55-130
Naphthalene	1700		1700	100	55-120
4-Chloroaniline	1700		1000	59	10- 90
Hexachlorobutadiene	1700		1600	94	50-130
4-Chloro-3-Methylphenol	1700		1700	100	60-140
2-Methylnaphthalene	1700		1600	94	45-150
Hexachlorocyclopentadie	1700		1400	82	30-105
2,4,6-Trichlorophenol	1700		1700	100	60-135
2,4,5-Trichlorophenol	1700		1700	100	60-130
2-Chloronaphthalene	1700		1300	76	45-120
2-Nitroaniline	1700		1500	88	50-125
Dimethylphthalate	1700		1700	100	55-120
Acenaphthylene	1700		1700	100	50-115
2,6-Dinitrotoluene	1700		1700	100	55-130
3-Nitroaniline	1700		840	49	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - STLVT Sample No.: E081209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1700		1700	100	55-120
2,4-Dinitrophenol	1700		1500	88	25-160
Dibenzofuran	1700		1700	100	55-120
4-Nitrophenol	1700		1600	94	30-155
2,4-Dinitrotoluene	1700		1600	94	50-120
Fluorene	1700		1700	100	50-125
Diethylphthalate	1700		1600	94	50-125
4-Chlorophenyl-phenylet	1700		1600	94	50-120
4-Nitroaniline	1700		1500	88	25-115
4,6-Dinitro-2-methylphe	1700		1600	94	55-160
N-nitrosodiphenylamine	1700		1700	100	45-130
4-Bromophenyl-phenyleth	1700		1800	106	55-130
Hexachlorobenzene	1700		1800	106	55-125
Pentachlorophenol	1700		1300	76	50-140
Phenanthrene	1700		1700	100	60-125
Anthracene	1700		1700	100	60-125
Carbazole	1700		1600	94	55-125
Di-n-butylphthalate	1700		1600	94	50-120
Fluoranthene	1700		1500	88	50-120
Pyrene	1700		1800	106	35-175
Butylbenzylphthalate	1700		1800	106	65-145
Benzo(a)anthracene	1700		1600	94	55-130
3,3'-Dichlorobenzidine	1700		1000	59	10-120
Chrysene	1700		1600	94	60-125
bis(2-Ethylhexyl)phthal	1700		1800	106	55-140
Di-n-octylphthalate	1700		1800	106	60-135
Benzo(b)fluoranthene	1700		2000	118	45-130
Benzo(k)fluoranthene	1700		1500	88	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - STLVT Sample No.: E081209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Benzo(a)pyrene	1700		1500	88	55-120
Indeno(1,2,3-cd)pyrene	1700		1700	100	55-135
Dibenz(a,h)anthracene	1700		1700	100	35-145
Benzo(g,h,i)perylene	1700		1800	106	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 60 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: B0812E Lab Sample ID: MBLK081209E

Instrument ID: U Date Extracted: 08/12/09

Matrix: (soil/water) SOIL Date Analyzed: 08/17/09

Level:(low/med) LOW Time Analyzed: 1340

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E081209LCS	E081209LCS	Q0812E	08/17/09
02	TS10036	803239	803239	08/17/09
03	TS10036MS	803239MS	803239M	08/17/09
04	TS10036MSD	803239MD	803239S	08/17/09
05	TS10037	803240	803240	08/17/09
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COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: UGJ02PS DFTPP Injection Date: 07/29/09

Instrument ID: U DFTPP Injection Time: 1039

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	54.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	20.8
365	Greater than 1.0% of mass 198	2.24
441	Present, but less than mass 443	10.7
442	Greater than 40.0% of mass 198	67.8
443	17.0 - 23.0% of mass 442	13.3 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	UGJ160	07/29/09	1059
02	SSTD140	SSTD140	UGJ140	07/29/09	1131
03	SSTD120	SSTD120	UGJ120	07/29/09	1204
04	SSTD100	SSTD100	UGJ100	07/29/09	1236
05	SSTD080	SSTD080	UGJ080	07/29/09	1309
06	SSTD050	SSTD050	UGJ050	07/29/09	1342
07	SSTD020	SSTD020	UGJ020	07/29/09	1414
08	SSTD320	SSTD320	UGJ320	07/29/09	1447
09	SSTD160-ADDE	SSTD160-ADDED	UGJA160	07/29/09	1519
10	SSTD140-ADDE	SSTD140-ADDED	UGJA140	07/29/09	1552
11	SSTD120-ADDE	SSTD120-ADDED	UGJA120	07/29/09	1624
12	SSTD100-ADDE	SSTD100-ADDED	UGJA100	07/29/09	1657
13	SSTD080-ADDE	SSTD080-ADDED	UGJA080	07/29/09	1729
14	SSTD050-ADDE	SSTD050-ADDED	UGJA050	07/29/09	1802
15	SSTD020-ADDE	SSTD020-ADDED	UGJA020	07/29/09	1834
16	SSTD100-ICV	SSTD100-ICV	UGJ100IC	07/29/09	1907
17					
18					
19					
20					
21					
22					

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: UGJ24PS DFTPP Injection Date: 08/17/09

Instrument ID: U DFTPP Injection Time: 1032

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.7
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	21.1
365	Greater than 1.0% of mass 198	2.07
441	Present, but less than mass 443	10.3
442	Greater than 40.0% of mass 198	65.3
443	17.0 - 23.0% of mass 442	12.8 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGJ080J	08/17/09	1111
02	E081209LCS	E081209LCS	Q0812E	08/17/09	1307
03	MBLK081209E	MBLK081209E	B0812E	08/17/09	1340
04	TS10036	803239	803239	08/17/09	1554
05	TS10036MS	803239MS	803239M	08/17/09	1627
06	TS10036MSD	803239MD	803239S	08/17/09	1659
07	TS10037	803240	803240	08/17/09	1732
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FORM V SV

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugja020.d RRF50 =ugja050.d
RRF80 =ugja080.d RRF100=ugja100.d RRF120=ugja120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Benzaldehyde	1.022	0.964	0.894	0.904	0.912		
Phenol *	1.762	1.798	1.833	1.890	1.931		*
bis(2-Chloroethyl)Ether	1.355	1.357	1.367	1.418	1.458		
2-Chlorophenol	1.366	1.394	1.420	1.446	1.510		
2-Methylphenol	0.962	0.980	1.002	1.016	1.051		
2,2'-oxybis(1-Chloropropane	1.781	1.732	1.738	1.760	1.838		
Acetophenone	1.533	1.477	1.487	1.505	1.587		
4-Methylphenol	1.234	1.226	1.278	1.279	1.332		
N-Nitroso-di-n-propylamine #	0.919	0.901	0.920	0.927	0.988		#
Hexachloroethane	0.626	0.648	0.669	0.690	0.690		
Nitrobenzene	0.397	0.398	0.397	0.414	0.407		
Isophorone	0.734	0.726	0.730	0.748	0.775		
2-Nitrophenol *	0.206	0.217	0.219	0.227	0.228		*
2,4-Dimethylphenol	0.321	0.330	0.338	0.342	0.342		
bis(2-Chloroethoxy)methane	0.455	0.448	0.451	0.472	0.477		
2,4-Dichlorophenol *	0.277	0.295	0.298	0.310	0.312		*
Naphthalene	1.060	1.067	1.083	1.097	1.107		
4-Chloroaniline	0.432	0.438	0.443	0.459	0.484		
Hexachlorobutadiene *	0.174	0.186	0.192	0.198	0.194		*
Caprolactam	0.078	0.079	0.079	0.082	0.089		
4-Chloro-3-Methylphenol *	0.245	0.254	0.256	0.260	0.276		*
2-Methylnaphthalene	0.186	0.185	0.187	0.187	0.191		
1,2,4,5-Tetrachlorobenzene	0.661	0.702	0.709	0.722	0.689		
Hexachlorocyclopentadiene #	0.357	0.434	0.474	0.493	0.455		#
2,4,6-Trichlorophenol *	0.378	0.400	0.403	0.406	0.404		*
2,4,5-Trichlorophenol		0.393	0.394	0.409	0.403		
2-Chloronaphthalene	0.561	0.580	0.585	0.599	0.596		
1,1'-Biphenyl	1.742	1.832	1.885	1.940	1.906		
2-Nitroaniline		0.386	0.381	0.387	0.389		
Dimethylphthalate	1.338	1.373	1.395	1.428	1.447		
Acenaphthylene	2.172	2.198	2.197	2.245	2.225		
2,6-Dinitrotoluene	0.329	0.340	0.340	0.349	0.355		
3-Nitroaniline		0.380	0.387	0.400	0.413		
Acenaphthene *	1.238	1.261	1.283	1.317	1.274		*
2,4-Dinitrophenol #		0.143	0.160	0.172	0.176		#
Dibenzofuran	1.710	1.718	1.743	1.790	1.771		
4-Nitrophenol #		0.236	0.232	0.249	0.256		#

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugja020.d RRF50 =ugja050.d
RRF80 =ugja080.d RRF100=ugja100.d RRF120=ugja120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.386	0.402	0.401	0.410	0.429		
Fluorene	1.329	1.373	1.383	1.390	1.430		
Diethylphthalate	1.406	1.439	1.440	1.489	1.526		
4-Chlorophenyl-phenylether	0.577	0.592	0.599	0.617	0.620		
4-Nitroaniline		0.346	0.345	0.353	0.378		
4,6-Dinitro-2-methylphenol		0.143	0.152	0.164	0.165		
N-nitrosodiphenylamine (1) *	0.769	0.801	0.820	0.815	0.837		*
4-Bromophenyl-phenylether	0.263	0.280	0.289	0.285	0.293		
Hexachlorobenzene	0.273	0.291	0.301	0.300	0.303		
Atrazine	0.184	0.191	0.196	0.191	0.205		
Pentachlorophenol *		0.163	0.176	0.179	0.180		*
Phenanthrene	1.181	1.189	1.218	1.258	1.262		
Anthracene	1.157	1.191	1.237	1.252	1.259		
Carbazole	1.084	1.120	1.158	1.195	1.191		
Di-n-butylphthalate	1.504	1.570	1.625	1.688	1.734		
Fluoranthene *	0.969	1.035	1.076	1.135	1.163		*
Pyrene	1.305	1.162	1.096	1.106	1.129		
Butylbenzylphthalate	0.671	0.642	0.643	0.657	0.668		
Benzo(a)anthracene	1.064	1.106	1.122	1.156	1.177		
3,3'-Dichlorobenzidine	0.447	0.411	0.482	0.499	0.506		
Chrysene	1.074	1.009	0.982	1.013	1.013		
bis(2-Ethylhexyl)phthalate	0.890	0.899	0.905	0.910	0.938		
Di-n-octylphthalate *	1.412	1.545	1.629	1.640	1.641		*
Benzo(b)fluoranthene	1.132	1.133	1.257	1.202	1.176		
Benzo(k)fluoranthene	1.323	1.424	1.168	1.236	1.335		
Benzo(a)pyrene *	1.119	1.213	1.157	1.209	1.208		*
Indeno(1,2,3-cd)pyrene	1.217	1.358	1.439	1.526	1.440		
Dibenz(a,h)anthracene	0.972	1.110	1.188	1.289	1.190		
Benzo(g,h,i)perylene	1.027	1.075	1.184	1.226	1.154		
2-Fluorophenol	1.265	1.344	1.346	1.372	1.428		
Phenol-d5	1.618	1.728	1.751	1.781	1.889		
2-Chlorophenol-d4	1.306	1.376	1.392	1.426	1.491		
1,2-Dichlorobenzene-d4	0.952	1.014	1.058	1.106	1.122		
Nitrobenzene-d5	0.409	0.420	0.415	0.432	0.441		

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugja020.d RRF50 =ugja050.d
RRF80 =ugja080.d RRF100=ugja100.d RRF120=ugja120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.458	1.572	1.582	1.610	1.612		
2,4,6-Tribromophenol	0.184	0.211	0.212	0.218	0.231		
Terphenyl-d14	0.882	0.840	0.812	0.808	0.858		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugja140.d RRF160=ugja160.d
RRF320=ugj320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Benzaldehyde	0.964	0.840				0.928	6.4
Phenol *	1.878	1.942				1.862	3.6*
bis(2-Chloroethyl)Ether	1.455	1.486				1.414	3.9
2-Chlorophenol	1.441	1.496				1.439	3.6
2-Methylphenol	1.016	1.035				1.009	3.0
2,2'-oxybis(1-Chloropropane	1.693	1.726				1.752	2.7
Acetophenone	1.793	1.588				1.567	7.0
4-Methylphenol	1.282	1.354				1.284	3.6
N-Nitroso-di-n-propylamine #	0.921	0.965				0.934	3.3#
Hexachloroethane	0.696	0.735				0.679	5.2
Nitrobenzene	0.426	0.427				0.409	3.2
Isophorone	0.753	0.747				0.745	2.2
2-Nitrophenol *	0.229	0.229				0.222	3.9*
2,4-Dimethylphenol	0.347	0.346				0.338	2.8
bis(2-Chloroethoxy)methane	0.476	0.477				0.465	2.9
2,4-Dichlorophenol *	0.315	0.317				0.303	4.7*
Naphthalene	1.111	1.136				1.094	2.4
4-Chloroaniline	0.461	0.468				0.455	4.0
Hexachlorobutadiene *	0.203	0.201				0.192	5.2*
Caprolactam	0.082	0.082				0.082	4.6
4-Chloro-3-Methylphenol *	0.263	0.263				0.260	3.7*
2-Methylnaphthalene	0.191	0.196				0.189	2.0
1,2,4,5-Tetrachlorobenzene	0.715	0.695				0.699	2.9
Hexachlorocyclopentadiene #	0.510	0.497				0.460	11.4#
2,4,6-Trichlorophenol *	0.394	0.392				0.397	2.4*
2,4,5-Trichlorophenol	0.404	0.420				0.404	2.5
2-Chloronaphthalene	0.617	0.608				0.592	3.1
1,1'-Biphenyl	2.256	1.971				1.933	8.3
2-Nitroaniline	0.379	0.387				0.385	1.0
Dimethylphthalate	1.419	1.388				1.398	2.6
Acenaphthylene	2.228	2.200				2.209	1.1
2,6-Dinitrotoluene	0.345	0.332				0.341	2.7
3-Nitroaniline	0.386	0.401				0.394	3.2
Acenaphthene *	1.295	1.317				1.284	2.3*
2,4-Dinitrophenol #	0.175	0.178				0.167	8.1#
Dibenzofuran	1.798	1.759				1.756	1.9
4-Nitrophenol #	0.230	0.236				0.240	4.3#

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugja140.d RRF160=ugja160.d
RRF320=ugj320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.396	0.401				0.404	3.3
Fluorene	1.490	1.437				1.404	3.7
Diethylphthalate	1.491	1.474				1.466	2.8
4-Chlorophenyl-phenylether	0.646	0.621				0.610	3.7
4-Nitroaniline	0.316	0.333				0.345	5.9
4,6-Dinitro-2-methylphenol	0.171	0.174				0.162	7.2
N-nitrosodiphenylamine (1) *	0.876	0.864				0.826	4.4*
4-Bromophenyl-phenylether	0.304	0.297				0.287	4.6
Hexachlorobenzene	0.317	0.300				0.298	4.5
Atrazine	0.248	0.210				0.204	10.6
Pentachlorophenol *	0.182	0.181				0.177	4.0*
Phenanthrene	1.291	1.297				1.242	3.8
Anthracene	1.277	1.288				1.237	3.8
Carbazole	1.196	1.252				1.171	4.7
Di-n-butylphthalate	1.693	1.768				1.654	5.6
Fluoranthene *	1.130	1.241				1.107	8.0*
Pyrene	1.142	1.035				1.139	7.3
Butylbenzylphthalate	0.643	0.623				0.650	2.6
Benzo(a)anthracene	1.160	1.147				1.133	3.4
3,3'-Dichlorobenzidine	0.472	0.495				0.473	7.1
Chrysene	1.012	0.966				1.010	3.3
bis(2-Ethylhexyl)phthalate	0.907	0.943				0.913	2.2
Di-n-octylphthalate *	1.656	1.676				1.600	5.8*
Benzo(b)fluoranthene	1.212	1.167				1.183	3.8
Benzo(k)fluoranthene	1.252	1.408				1.306	7.2
Benzo(a)pyrene *	1.270	1.260				1.205	4.4*
Indeno(1,2,3-cd)pyrene	1.541	1.425				1.421	7.7
Dibenz(a,h)anthracene	1.340	1.188				1.182	10.1
Benzo(g,h,i)perylene	1.098	1.000				1.109	7.5
2-Fluorophenol	1.353	1.425				1.362	4.1
Phenol-d5	1.800	1.841				1.772	4.9
2-Chlorophenol-d4	1.449	1.490				1.418	4.7
1,2-Dichlorobenzene-d4	1.150	1.172				1.082	7.3
Nitrobenzene-d5	0.440	0.435				0.427	3.0

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugja140.d RRF160=ugja160.d
RRF320=ugj320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.602	1.569				1.572	3.4
2,4,6-Tribromophenol	0.215	0.202				0.210	7.0
Terphenyl-d14	0.848	0.761				0.830	4.8

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date: 08/17/09 Time: 1111

Lab File ID: UGJ080J Init. Calib. Date(s): 07/29/09 07/29/09

Init. Calib. Times: 1059 1834

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Benzaldehyde	0.928	0.857		7.6	
Phenol	1.862	1.976		6.1	20.0
bis(2-Chloroethyl)Ether	1.414	1.481		4.7	
2-Chlorophenol	1.439	1.494		3.8	
2-Methylphenol	1.009	1.085		7.5	
2,2'-oxybis(1-Chloropropane)	1.752	1.856		5.9	
Acetophenone	1.567	1.584		1.1	
4-Methylphenol	1.284	1.356		5.6	
N-Nitroso-di-n-propylamine	0.934	0.960	0.05	2.8	
Hexachloroethane	0.679	0.693		2.1	
Nitrobenzene	0.409	0.432		5.6	
Isophorone	0.745	0.760		2.0	
2-Nitrophenol	0.222	0.236		6.3	20.0
2,4-Dimethylphenol	0.338	0.353		4.4	
bis(2-Chloroethoxy)methane	0.465	0.493		6.0	
2,4-Dichlorophenol	0.303	0.317		4.6	20.0
Naphthalene	1.094	1.136		3.8	
4-Chloroaniline	0.455	0.438		3.7	
Hexachlorobutadiene	0.192	0.188		2.1	20.0
Caprolactam	0.082	0.068		17.1	
4-Chloro-3-Methylphenol	0.260	0.254		2.3	20.0
2-Methylnaphthalene	0.189	0.182		3.7	
1,2,4,5-Tetrachlorobenzene	0.699	0.672		3.9	
Hexachlorocyclopentadiene	0.460	0.459	0.05	0.2	
2,4,6-Trichlorophenol	0.397	0.467		17.6	20.0
2,4,5-Trichlorophenol	0.404	0.406		0.5	
2-Chloronaphthalene	0.592	0.554		6.4	
1,1'-Biphenyl	1.933	1.840		4.8	
2-Nitroaniline	0.385	0.352		8.6	
Dimethylphthalate	1.398	1.306		6.6	
Acenaphthylene	2.209	2.205		0.2	
2,6-Dinitrotoluene	0.341	0.327		4.1	
3-Nitroaniline	0.394	0.355		9.9	
Acenaphthene	1.284	1.264		1.6	20.0
2,4-Dinitrophenol	0.167	0.154	0.05	7.8	
Dibenzofuran	1.756	1.667		5.1	
4-Nitrophenol	0.240	0.198	0.05	17.5	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date: 08/17/09 Time: 1111

Lab File ID: UGJ080J Init. Calib. Date(s): 07/29/09 07/29/09

Init. Calib. Times: 1059 1834

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.404	0.377		6.7	
Fluorene	1.404	1.322		5.8	
Diethylphthalate	1.466	1.316		10.2	
4-Chlorophenyl-phenylether	0.610	0.540		11.5	
4-Nitroaniline	0.345	0.295		14.5	
4,6-Dinitro-2-methylphenol	0.162	0.156		3.7	
N-nitrosodiphenylamine	0.826	0.839		1.6	20.0
4-Bromophenyl-phenylether	0.287	0.290		1.0	
Hexachlorobenzene	0.298	0.298		0.0	
Atrazine	0.204	0.193		5.4	
Pentachlorophenol	0.177	0.181		2.2	20.0
Phenanthrene	1.242	1.240		0.2	
Anthracene	1.237	1.236		0.1	
Carbazole	1.171	1.171		0.0	
Di-n-butylphthalate	1.654	1.630		1.4	
Fluoranthene	1.107	1.070		3.3	20.0
Pyrene	1.139	1.126		1.1	
Butylbenzylphthalate	0.650	0.680		4.6	
Benzo(a)anthracene	1.133	1.092		3.6	
3,3'-Dichlorobenzidine	0.473	0.443		6.3	
Chrysene	1.010	1.020		1.0	
bis(2-Ethylhexyl)phthalate	0.913	0.955		4.6	
Di-n-octylphthalate	1.600	1.876		17.2	20.0
Benzo(b)fluoranthene	1.183	1.258		6.3	
Benzo(k)fluoranthene	1.306	1.297		0.7	
Benzo(a)pyrene	1.205	1.195		0.8	20.0
Indeno(1,2,3-cd)pyrene	1.421	1.497		5.3	
Dibenz(a,h)anthracene	1.182	1.222		3.4	
Benzo(g,h,i)perylene	1.109	1.264		14.0	
2-Fluorophenol	1.362	1.364		0.1	
Phenol-d5	1.772	1.809		2.1	
2-Chlorophenol-d4	1.418	1.441		1.6	
1,2-Dichlorobenzene-d4	1.082	1.110		2.6	
Nitrobenzene-d5	0.427	0.439		2.8	
2-Fluorobiphenyl	1.572	1.559		0.8	
2,4,6-Tribromophenol	0.210	0.190		9.5	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date: 08/17/09 Time: 1111

Lab File ID: UGJ080J Init. Calib. Date(s): 07/29/09 07/29/09

Init. Calib. Times: 1059 1834

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Terphenyl-d14	0.830	0.847		2.0	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID (Standard): UGJ080J Date Analyzed: 08/17/09

Instrument ID: U Time Analyzed: 1111

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	276352	6.27	926245	8.23	393063	11.04
	UPPER LIMIT	552704	6.77	1852490	8.73	786126	11.54
	LOWER LIMIT	138176	5.77	463122	7.73	196532	10.54
	STLVT SAMPLE NO.						
01	E081209LCS	345554	6.28	1215284	8.23	539489	11.04
02	MBLK081209E	354698	6.27	1288957	8.22	640089	11.02
03	TS10036	379436	6.28	1326448	8.22	638178	11.03
04	TS10036MS	397596	6.28	1366355	8.23	586277	11.04
05	TS10036MSD	388834	6.28	1346349	8.23	582855	11.04
06	TS10037	385263	6.28	1372608	8.22	660748	11.03
07							
08							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID (Standard): UGJ080J Date Analyzed: 08/17/09

Instrument ID: U Time Analyzed: 1111

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	455986	13.37	455348	17.54	471449	19.44
	UPPER LIMIT	911972	13.87	910696	18.04	942898	19.94
	LOWER LIMIT	227993	12.87	227674	17.04	235724	18.94
	STLVT SAMPLE NO.						
01	E081209LCS	653830	13.37	562492	17.54	501524	19.44
02	MBLK081209E	879433	13.37	609605	17.53	540794	19.44
03	TS10036	793744	13.37	531480	17.53	471112	19.43
04	TS10036MS	664176	13.38	604937	17.54	518358	19.44
05	TS10036MSD	678716	13.38	613594	17.54	509667	19.44
06	TS10037	798640	13.37	533217	17.53	494093	19.43
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

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Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 21AUG091722-R031

% Moisture: 0 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	1.6	U
5103-71-9	alpha-Chlordane	1.6	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 21AUG091722-R041

% Moisture: 5 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.4	U
7421-93-4	Endrin aldehyde	3.4	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK081309C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081309C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 21AUG091722-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240MS

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 21AUG091722-R051

% Moisture: 5 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.3	
319-85-7	beta-BHC	5.8	
319-86-8	delta-BHC	5.4	
58-89-9	gamma-BHC (Lindane)	5.5	
76-44-8	Heptachlor	5.6	
309-00-2	Aldrin	5.2	
1024-57-3	Heptachlor epoxide	5.5	
959-98-8	Endosulfan I	5.4	
60-57-1	Dieldrin	11	
72-55-9	4,4'-DDE	10	
72-20-8	Endrin	11	
33213-65-9	Endosulfan II	11	
72-54-8	4,4'-DDD	11	
1031-07-8	Endosulfan sulfate	9.6	
50-29-3	4,4'-DDT	12	
72-43-5	Methoxychlor	60	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	6.4	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	5.6	
5103-71-9	alpha-Chlordane	4.9	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240MD

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 21AUG091722-R061

% Moisture: 5 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.4	
319-85-7	beta-BHC	5.9	
319-86-8	delta-BHC	5.5	
58-89-9	gamma-BHC (Lindane)	5.6	
76-44-8	Heptachlor	5.8	
309-00-2	Aldrin	5.4	
1024-57-3	Heptachlor epoxide	5.8	
959-98-8	Endosulfan I	5.8	
60-57-1	Dieldrin	12	
72-55-9	4,4'-DDE	12	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	11	
72-54-8	4,4'-DDD	12	
1031-07-8	Endosulfan sulfate	10	
50-29-3	4,4'-DDT	13	
72-43-5	Methoxychlor	62	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	7.1	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	5.9	
5103-71-9	alpha-Chlordane	5.3	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: C081309LCS

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 21AUG091722-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.5	
319-85-7	beta-BHC	4.8	
319-86-8	delta-BHC	4.4	
58-89-9	gamma-BHC (Lindane)	4.5	
76-44-8	Heptachlor	4.7	
309-00-2	Aldrin	4.4	
1024-57-3	Heptachlor epoxide	4.7	
959-98-8	Endosulfan I	4.6	
60-57-1	Dieldrin	9.1	
72-55-9	4,4'-DDE	9.1	
72-20-8	Endrin	9.2	
33213-65-9	Endosulfan II	9.2	
72-54-8	4,4'-DDD	9.5	
1031-07-8	Endosulfan sulfate	8.5	
50-29-3	4,4'-DDT	10	
72-43-5	Methoxychlor	51	
53494-70-5	Endrin ketone	9.3	
7421-93-4	Endrin aldehyde	5.4	
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	4.8	
5103-71-9	alpha-Chlordane	4.3	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK081309C	63	64	80	84			0
02	C081309LCS	58	58	65	68			0
03	TS10036	56	56	66	67			0
04	TS10037	57	59	66	69			0
05	TS10037MS	65	68	74	77			0
06	TS10037MSD	64	67	72	71			0
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ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10037

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
alpha-BHC	7.1	0.0	5.3	75	55-130
beta-BHC	7.1	0.0	5.8	82	60-130
delta-BHC	7.1	0.0	5.4	76	50-135
gamma-BHC (Lindane)	7.1	0.0	5.5	77	55-135
Heptachlor	7.1	0.0	5.6	79	60-135
Aldrin	7.1	0.0	5.2	73	55-135
Heptachlor epoxide	7.1	0.0	5.5	77	60-130
Endosulfan I	7.1	0.0	5.4	76	55-125
Dieldrin	14	0.0	11	78	60-145
4,4'-DDE	14	0.0	10	71	60-145
Endrin	14	0.0	11	78	60-145
Endosulfan II	14	0.0	11	78	55-125
4,4'-DDD	14	0.0	11	78	60-145
Endosulfan sulfate	14	0.0	9.6	68	40-140
4,4'-DDT	14	0.0	12	86	60-155
Methoxychlor	71	0.0	60	84	65-145
Endrin ketone	14	0.0	11	78	65-145
Endrin aldehyde	14	0.0	6.4	46	15-110
gamma-Chlordane	7.1	0.0	5.6	79	60-140
alpha-Chlordane	7.1	0.0	4.9	69	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10037

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
alpha-BHC	7.1	5.4	76	1	30	55-130
beta-BHC	7.1	5.9	83	1	30	60-130
delta-BHC	7.1	5.5	77	1	30	50-135
gamma-BHC (Lindane)	7.1	5.6	79	2	30	55-135
Heptachlor	7.1	5.8	82	4	30	60-135
Aldrin	7.1	5.4	76	4	30	55-135
Heptachlor epoxide	7.1	5.8	82	6	30	60-130
Endosulfan I	7.1	5.8	82	8	30	55-125
Dieldrin	14	12	86	10	30	60-145
4,4'-DDE	14	12	86	19	30	60-145
Endrin	14	12	86	10	30	60-145
Endosulfan II	14	11	78	0	30	55-125
4,4'-DDD	14	12	86	10	30	60-145
Endosulfan sulfate	14	10	71	4	30	40-140
4,4'-DDT	14	13	93	8	30	60-155
Methoxychlor	71	62	87	4	30	65-145
Endrin ketone	14	11	78	0	30	65-145
Endrin aldehyde	14	7.1	51	10	30	15-110
gamma-Chlordane	7.1	5.9	83	5	30	60-140
alpha-Chlordane	7.1	5.3	75	8	30	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS:

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - Sample No.: C081309LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.6		4.5	68	55-130
beta-BHC	6.6		4.8	73	60-130
delta-BHC	6.6		4.4	67	50-135
gamma-BHC (Lindane)	6.6		4.5	68	55-135
Heptachlor	6.6		4.7	71	60-135
Aldrin	6.6		4.4	67	55-135
Heptachlor epoxide	6.6		4.7	71	60-130
Endosulfan I	6.6		4.6	70	55-125
Dieldrin	13		9.1	70	60-145
4,4'-DDE	13		9.1	70	60-145
Endrin	13		9.2	71	60-145
Endosulfan II	13		9.2	71	55-125
4,4'-DDD	13		9.5	73	60-145
Endosulfan sulfate	13		8.5	65	40-140
4,4'-DDT	13		10	77	60-155
Methoxychlor	66		51	77	65-145
Endrin ketone	13		9.3	72	65-145
Endrin aldehyde	13		5.4	42	15-110
gamma-Chlordane	6.6		4.8	73	60-140
alpha-Chlordane	6.6		4.3	65	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK081309C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: MBLK081309C Lab File ID: 21AUG091722-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 08/13/09

Date Analyzed (1): 08/21/09 Date Analyzed (2): 08/21/09

Time Analyzed (1): 2023 Time Analyzed (2): 2023

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	C081309LCS	C081309LCS	08/21/09	08/21/09
02	TS10036	803239	08/21/09	08/21/09
03	TS10037	803240	08/21/09	08/21/09
04	TS10037MS	803240MS	08/21/09	08/21/09
05	TS10037MSD	803240MD	08/21/09	08/21/09
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COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0112 0330

LAB FILE ID: RF1: 20AUG091728-RRF2: 20AUG091728-RRF3: 20AUG091728-R
RF4: 20AUG091728-RRF5: 20AUG091728-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	3211.000	3247.200	3570.200	3818.825	3889.112
beta-BHC	1376.200	1292.800	1307.350	1354.125	1350.250
delta-BHC	2939.400	3019.400	3250.400	3456.825	3597.262
gamma-BHC (Lindane)	3058.200	3078.700	3368.550	3517.825	3601.425
Heptachlor	2565.600	2524.400	2768.200	3002.600	3056.975
Aldrin	2538.400	2556.600	2748.800	2893.650	2972.500
Heptachlor epoxide	2185.200	2169.400	2277.100	2383.000	2452.388
Endosulfan I	1974.400	1972.300	2047.050	2151.725	2156.150
Dieldrin	2059.600	2116.000	2262.950	2367.862	2347.406
4,4'-DDE	2107.500	2177.350	2324.575	2472.212	2479.081
Endrin	1802.700	1850.050	1997.775	2098.400	2112.912
Endosulfan II	1689.000	1714.150	1775.850	1864.075	1909.075
4,4'-DDD	1566.100	1625.750	1702.850	1791.375	1820.800
Endosulfan sulfate	1493.700	1564.550	1689.725	1735.262	1758.819
4,4'-DDT	1501.500	1538.950	1623.775	1730.238	1768.650
Methoxychlor	795.280	803.230	807.815	799.205	718.451
Endrin ketone	1951.700	1985.850	2051.775	2062.000	2094.856
Endrin aldehyde	1400.700	1424.650	1482.375	1562.000	1589.325
Chlordane	49.500				
(2)	35.800				
(3)	221.860				
(4)	196.280				
(5)	198.900				
Toxaphene	19.986				
(2)	33.906				
(3)	34.860				
(4)	41.292				
(5)	26.102				
Mirex	1332.500	1284.650	1273.825	1315.275	1280.894
gamma-Chlordane	2162.800	2161.500	2303.650	2364.775	2456.612
alpha-Chlordane	2129.200	2114.400	2185.150	2255.275	2334.500
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	1938.600	1830.900	1917.050	2000.425	2033.250
Decachlorobiphenyl	1627.000	1483.200	1464.900	1500.300	1473.800

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0112 0330

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	3547.26750	8.850	20.000	
beta-BHC	AVRG	1336.14500	2.602	20.000	
delta-BHC	AVRG	3252.65750	8.600	20.000	
gamma-BHC (Lindane)	AVRG	3324.94000	7.479	20.000	
Heptachlor	AVRG	2783.55500	8.756	20.000	
Aldrin	AVRG	2741.99000	7.109	20.000	
Heptachlor epoxide	AVRG	2293.41750	5.369	20.000	
Endosulfan I	AVRG	2060.32500	4.398	20.000	
Dieldrin	AVRG	2230.76375	6.175	20.000	
4,4'-DDE	AVRG	2312.14375	7.292	20.000	
Endrin	AVRG	1972.36750	7.172	20.000	
Endosulfan II	AVRG	1790.43000	5.285	20.000	
4,4'-DDD	AVRG	1701.37500	6.329	20.000	
Endosulfan sulfate	AVRG	1648.41125	6.944	20.000	
4,4'-DDT	AVRG	1632.62250	7.122	20.000	
Methoxychlor	AVRG	784.796250	4.763	20.000	
Endrin ketone	AVRG	2029.23625	2.893	20.000	
Endrin aldehyde	AVRG	1491.81000	5.541	20.000	
Chlordane	AVRG	49.5000000	0.000	20.000	<-
(2)	AVRG	35.8000000	0.000	20.000	<-
(3)	AVRG	221.860000	0.000	20.000	<-
(4)	AVRG	196.280000	0.000	20.000	<-
(5)	AVRG	198.900000	0.000	20.000	<-
Toxaphene	AVRG	19.9860000	0.000	20.000	<-
(2)	AVRG	33.9060000	0.000	20.000	<-
(3)	AVRG	34.8600000	0.000	20.000	<-
(4)	AVRG	41.2920000	0.000	20.000	<-
(5)	AVRG	26.1020000	0.000	20.000	<-
Mirex	AVRG	1297.42875	1.943	20.000	
gamma-Chlordane	AVRG	2289.86750	5.619	20.000	
alpha-Chlordane	AVRG	2203.70500	4.161	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	1944.04500	4.042	20.000	
Decachlorobiphenyl	AVRG	1509.84000	4.424	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0112 0330

LAB FILE ID: RF1: 20AUG091728-RRF2: 20AUG091728-RRF3: 20AUG091728-R
RF4: 20AUG091728-RRF5: 20AUG091728-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	1977.200	1956.500	2183.650	2317.575	2359.650
beta-BHC	876.200	824.800	829.450	819.100	843.800
delta-BHC	1795.200	1789.000	1945.050	2079.300	2170.225
gamma-BHC (Lindane)	1817.800	1800.700	1978.050	2069.625	2166.688
Heptachlor	1184.800	1208.600	1298.850	1407.675	1492.362
Aldrin	1555.800	1593.900	1675.000	1750.800	1824.238
Heptachlor epoxide	1268.000	1302.600	1343.400	1382.400	1423.588
Endosulfan I	1158.800	1173.800	1229.850	1262.125	1275.925
Dieldrin	1198.100	1226.450	1287.825	1373.450	1396.388
4,4'-DDE	1289.500	1326.700	1453.250	1524.562	1549.138
Endrin	988.500	1012.150	1070.775	1128.825	1163.069
Endosulfan II	978.400	967.000	1024.300	1072.788	1067.088
4,4'-DDD	847.700	849.250	879.200	913.812	948.569
Endosulfan sulfate	837.400	834.000	853.950	908.462	934.962
4,4'-DDT	657.000	681.650	711.025	753.138	769.419
Methoxychlor	336.960	324.400	327.610	332.392	319.521
Endrin ketone	1000.100	977.500	996.650	1039.300	1042.675
Endrin aldehyde	789.800	794.050	811.775	869.375	863.400
Chlordane	33.000				
(2)	22.980				
(3)	139.340				
(4)	84.800				
(5)	114.180				
Toxaphene	27.016				
(2)	25.026				
(3)	22.958				
(4)	21.740				
(5)	12.494				
Mirex	720.900	677.900	663.550	654.900	661.144
gamma-Chlordane	1252.400	1267.500	1319.700	1371.975	1417.212
alpha-Chlordane	1242.600	1260.000	1300.000	1369.500	1376.400
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	1214.000	1222.900	1261.850	1298.475	1308.200
Decachlorobiphenyl	994.200	953.300	881.550	880.925	869.238

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0112 0330

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	2158.91500	8.668	20.000	
beta-BHC	AVRG	838.670000	2.729	20.000	
delta-BHC	AVRG	1955.75500	8.668	20.000	
gamma-BHC (Lindane)	AVRG	1966.57250	8.058	20.000	
Heptachlor	AVRG	1318.45750	9.927	20.000	
Aldrin	AVRG	1679.94750	6.567	20.000	
Heptachlor epoxide	AVRG	1343.99750	4.602	20.000	
Endosulfan I	AVRG	1220.10000	4.274	20.000	
Dieldrin	AVRG	1296.44250	6.742	20.000	
4,4'-DDE	AVRG	1428.63000	8.139	20.000	
Endrin	AVRG	1072.66375	6.926	20.000	
Endosulfan II	AVRG	1021.91500	4.780	20.000	
4,4'-DDD	AVRG	887.706250	4.890	20.000	
Endosulfan sulfate	AVRG	873.755000	5.196	20.000	
4,4'-DDT	AVRG	714.446250	6.605	20.000	
Methoxychlor	AVRG	328.176750	2.069	20.000	
Endrin ketone	AVRG	1011.24500	2.819	20.000	
Endrin aldehyde	AVRG	825.680000	4.617	20.000	
Chlordane	AVRG	33.0000000	0.000	20.000	<-
(2)	AVRG	22.9800000	0.000	20.000	<-
(3)	AVRG	139.340000	0.000	20.000	<-
(4)	AVRG	84.8000000	0.000	20.000	<-
(5)	AVRG	114.180000	0.000	20.000	<-
Toxaphene	AVRG	27.0160000	0.000	20.000	<-
(2)	AVRG	25.0260000	0.000	20.000	<-
(3)	AVRG	22.9580000	0.000	20.000	<-
(4)	AVRG	21.7400000	0.000	20.000	<-
(5)	AVRG	12.4940000	0.000	20.000	<-
Mirex	AVRG	675.678750	3.944	20.000	
gamma-Chlordane	AVRG	1325.75750	5.241	20.000	
alpha-Chlordane	AVRG	1309.70000	4.690	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	1261.08500	3.386	20.000	
Decachlorobiphenyl	AVRG	915.842500	6.008	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date: 08/21/09 Time: 2000

Lab File ID: 21AUG091301-R1 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	3547.267	3301.350		6.9	15.0
beta-BHC	1336.145	1215.450		9.0	15.0
delta-BHC	3252.657	2970.850		8.7	15.0
gamma-BHC (Lindane)	3324.940	3029.250		8.9	15.0
Heptachlor	2783.555	2518.500		9.5	15.0
Aldrin	2741.990	2521.300		8.0	15.0
Heptachlor epoxide	2293.418	2096.300		8.6	15.0
Endosulfan I	2060.325	1892.100		8.2	15.0
Dieldrin	2230.764	2105.675		5.6	15.0
4,4'-DDE	2312.144	2186.975		5.4	15.0
Endrin	1972.367	1821.300		7.6	15.0
Endosulfan II	1790.430	1729.250		3.4	15.0
4,4'-DDD	1701.375	1609.425		5.4	15.0
Endosulfan sulfate	1648.411	1556.775		5.6	15.0
4,4'-DDT	1632.623	1536.050		5.9	15.0
Methoxychlor	784.796	808.830		3.1	15.0
Endrin ketone	2029.236	1996.825		1.6	15.0
Endrin aldehyde	1491.810	1381.700		7.4	15.0
Mirex	1297.429	1254.100		3.3	15.0
gamma-Chlordane	2289.867	2095.150		8.5	15.0
alpha-Chlordane	2203.705	2021.900		8.2	15.0
Tetrachloro-m-xylene	1944.045	1705.400		12.3	15.0
Decachlorobiphenyl	1509.840	1460.150		3.3	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date: 08/21/09 Time: 2304

Lab File ID: 21AUG091722-R0 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D	
alpha-BHC	3547.267	3156.250		11.0	15.0	
beta-BHC	1336.145	1178.850		11.8	15.0	
delta-BHC	3252.657	2973.100		8.6	15.0	
gamma-BHC (Lindane)	3324.940	2985.700		10.2	15.0	
Heptachlor	2783.555	2461.150		11.6	15.0	
Aldrin	2741.990	2446.750		10.8	15.0	
Heptachlor epoxide	2293.418	2080.200		9.3	15.0	
Endosulfan I	2060.325	1883.750		8.6	15.0	
Dieldrin	2230.764	2090.250		6.3	15.0	
4,4'-DDE	2312.144	2161.950		6.5	15.0	
Endrin	1972.367	1814.225		8.0	15.0	
Endosulfan II	1790.430	1698.250		5.1	15.0	
4,4'-DDD	1701.375	1648.700		3.1	15.0	
Endosulfan sulfate	1648.411	1621.350		1.6	15.0	
4,4'-DDT	1632.623	1520.050		6.9	15.0	
Methoxychlor	784.796	797.385		1.6	15.0	
Endrin ketone	2029.236	1987.800		2.0	15.0	
Endrin aldehyde	1491.810	1400.600		6.1	15.0	
Mirex	1297.429	1230.325		5.2	15.0	
gamma-Chlordane	2289.867	2087.050		8.8	15.0	
alpha-Chlordane	2203.705	1998.700		9.3	15.0	
Tetrachloro-m-xylene	1944.045	1632.850		16.0	15.0	<-
Decachlorobiphenyl	1509.840	1433.450		5.0	15.0	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date: 08/21/09 Time: 2000

Lab File ID: 21AUG091301-R1 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	2158.915	2006.100		7.1	15.0
beta-BHC	838.670	784.650		6.4	15.0
delta-BHC	1955.755	1815.850		7.2	15.0
gamma-BHC (Lindane)	1966.573	1839.400		6.5	15.0
Heptachlor	1318.457	1237.700		6.1	15.0
Aldrin	1679.948	1573.250		6.4	15.0
Heptachlor epoxide	1343.998	1266.300		5.8	15.0
Endosulfan I	1220.100	1169.350		4.2	15.0
Dieldrin	1296.443	1250.775		3.5	15.0
4,4'-DDE	1428.630	1368.350		4.2	15.0
Endrin	1072.664	1028.900		4.1	15.0
Endosulfan II	1021.915	1002.725		1.9	15.0
4,4'-DDD	887.706	884.600		0.3	15.0
Endosulfan sulfate	873.755	844.950		3.3	15.0
4,4'-DDT	714.446	698.350		2.2	15.0
Methoxychlor	328.177	328.170		0.0	15.0
Endrin ketone	1011.245	1014.025		0.3	15.0
Endrin aldehyde	825.680	815.575		1.2	15.0
Mirex	675.679	662.075		2.0	15.0
gamma-Chlordane	1325.757	1271.800		4.1	15.0
alpha-Chlordane	1309.700	1231.350		6.0	15.0
Tetrachloro-m-xylene	1261.085	1160.200		8.0	15.0
Decachlorobiphenyl	915.843	915.600		0.0	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date: 08/21/09 Time: 2304

Lab File ID: 21AUG091722-R0 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	2158.915	1982.350		8.2	15.0
beta-BHC	838.670	775.050		7.6	15.0
delta-BHC	1955.755	1802.700		7.8	15.0
gamma-BHC (Lindane)	1966.573	1838.750		6.5	15.0
Heptachlor	1318.457	1214.500		7.9	15.0
Aldrin	1679.948	1570.550		6.5	15.0
Heptachlor epoxide	1343.998	1280.850		4.7	15.0
Endosulfan I	1220.100	1159.100		5.0	15.0
Dieldrin	1296.443	1281.575		1.1	15.0
4,4'-DDE	1428.630	1372.775		3.9	15.0
Endrin	1072.664	1024.525		4.5	15.0
Endosulfan II	1021.915	1001.325		2.0	15.0
4,4'-DDD	887.706	890.500		0.3	15.0
Endosulfan sulfate	873.755	870.250		0.4	15.0
4,4'-DDT	714.446	692.250		3.1	15.0
Methoxychlor	328.177	336.685		2.6	15.0
Endrin ketone	1011.245	1035.450		2.4	15.0
Endrin aldehyde	825.680	814.250		1.4	15.0
Mirex	675.679	676.400		0.1	15.0
gamma-Chlordane	1325.757	1274.200		3.9	15.0
alpha-Chlordane	1309.700	1239.600		5.4	15.0
Tetrachloro-m-xylene	1261.085	1103.800		12.5	15.0
Decachlorobiphenyl	915.843	895.200		2.2	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/21/09 08/21/09

Instrument ID: 0911_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.22 DCB: 14.05

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	08/21/09	0048	5.20	14.04
02	INDA_B-1	INDA_B-1	08/21/09	0112	5.22	14.06
03	INDA_B-2	INDA_B-2	08/21/09	0134	5.22	14.05
04	INDA_B-3	INDA_B-3	08/21/09	0157	5.22	14.05
05	INDA_B-4	INDA_B-4	08/21/09	0221	5.22	14.06
06	INDA_B-5	INDA_B-5	08/21/09	0244	5.22	14.06
07	TOX 500	TOX 500	08/21/09	0307	5.22	14.06
08	T-CHLOR 50	T-CHLOR 50	08/21/09	0330	5.22	14.06
09	INDAB ICV	INDAB ICV	08/21/09	0353	5.22	14.06
10	BCS	BCS	08/21/09	1936	5.21	14.05
11	INDA_B-3	INDA_B-3	08/21/09	2000	5.21	14.05
12	MBLK081309C	MBLK081309C	08/21/09	2023	5.21	14.05
13	C081309LCS	C081309LCS	08/21/09	2046	5.21	14.05
14	TS10036	803239	08/21/09	2109	5.22	14.05
15	TS10037	803240	08/21/09	2132	5.21	14.05
16	TS10037MS	803240MS	08/21/09	2155	5.22	14.05
17	TS10037MSD	803240MD	08/21/09	2218	5.21	14.05
18	BCS	BCS	08/21/09	2241	5.22	14.05
19	INDA_B-3	INDA_B-3	08/21/09	2304	5.22	14.05
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/21/09 08/21/09

Instrument ID: 0911_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.89 DCB: 14.18

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	08/21/09	0048	4.90	14.19
02	INDA_B-1	INDA_B-1	08/21/09	0112	4.90	14.18
03	INDA_B-2	INDA_B-2	08/21/09	0134	4.89	14.18
04	INDA_B-3	INDA_B-3	08/21/09	0157	4.89	14.18
05	INDA_B-4	INDA_B-4	08/21/09	0221	4.90	14.19
06	INDA_B-5	INDA_B-5	08/21/09	0244	4.90	14.19
07	TOX 500	TOX 500	08/21/09	0307	4.89	14.18
08	T-CHLOR 50	T-CHLOR 50	08/21/09	0330	4.90	14.19
09	INDAB ICV	INDAB ICV	08/21/09	0353	4.90	14.19
10	BCS	BCS	08/21/09	1936	4.88	14.17
11	INDA_B-3	INDA_B-3	08/21/09	2000	4.89	14.17
12	MBLK081309C	MBLK081309C	08/21/09	2023	4.89	14.18
13	C081309LCS	C081309LCS	08/21/09	2046	4.90	14.19
14	TS10036	803239	08/21/09	2109	4.90	14.18
15	TS10037	803240	08/21/09	2132	4.89	14.18
16	TS10037MS	803240MS	08/21/09	2155	4.89	14.18
17	TS10037MSD	803240MD	08/21/09	2218	4.89	14.17
18	BCS	BCS	08/21/09	2241	4.90	14.19
19	INDA_B-3	INDA_B-3	08/21/09	2304	4.90	14.18
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	5.93	5.88	5.98	5.3	
	2	5.67	5.62	5.72	5.3	0.0
beta-BHC	1	6.42	6.37	6.47	5.3	
	2	6.17	6.12	6.22	5.8	9.0
delta-BHC	1	6.64	6.59	6.69	5.3	
	2	6.50	6.45	6.55	5.4	1.9
gamma-BHC (Lindane)	1	6.32	6.27	6.37	5.3	
	2	6.07	6.02	6.12	5.5	3.7
Heptachlor	1	6.91	6.86	6.96	4.9	
	2	6.57	6.52	6.62	5.6	13
Aldrin	1	7.30	7.25	7.35	4.9	
	2	6.96	6.91	7.01	5.2	5.9
Heptachlor epoxide	1	8.17	8.12	8.22	5.3	
	2	7.72	7.67	7.77	5.5	3.7
Endosulfan I	1	8.78	8.73	8.83	5.2	
	2	8.28	8.23	8.33	5.4	3.8

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.17	9.12	9.22	10	
	2	8.71	8.66	8.76	11	9.5
4,4'-DDE	1	8.68	8.63	8.73	10	
	2	8.49	8.44	8.54	10	0.0
Endrin	1	9.57	9.52	9.62	10	
	2	9.21	9.16	9.26	11	9.5
Endosulfan II	1	9.97	9.92	10.02	10	
	2	9.58	9.53	9.63	11	9.5
4,4'-DDD	1	9.69	9.64	9.74	10	
	2	9.45	9.40	9.50	11	9.5
Endosulfan sulfate	1	11.58	11.53	11.63	9.2	
	2	10.73	10.69	10.79	9.6	4.3
4,4'-DDT	1	10.20	10.16	10.26	11	
	2	10.02	9.97	10.07	12	8.7
Methoxychlor	1	11.13	11.08	11.18	60	
	2	11.38	11.34	11.44	59	1.7

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.09	12.05	12.15	10	
	2	11.72	11.68	11.78	11	9.5
Endrin aldehyde	1	10.75	10.70	10.80	6.1	
	2	10.21	10.16	10.26	6.4	4.8
gamma-Chlordane	1	8.35	8.30	8.40	5.2	
	2	7.99	7.94	8.04	5.6	7.4
alpha-Chlordane	1	8.56	8.51	8.61	4.7	
	2	8.20	8.16	8.26	4.9	4.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MD Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	5.93	5.88	5.98	5.2	
	2	5.66	5.62	5.72	5.4	3.8
beta-BHC	1	6.42	6.37	6.47	5.3	
	2	6.16	6.12	6.22	5.9	11
delta-BHC	1	6.64	6.59	6.69	5.4	
	2	6.49	6.45	6.55	5.5	1.8
gamma-BHC (Lindane)	1	6.31	6.27	6.37	5.3	
	2	6.06	6.02	6.12	5.6	5.5
Heptachlor	1	6.90	6.86	6.96	5.2	
	2	6.56	6.52	6.62	5.8	11
Aldrin	1	7.30	7.25	7.35	5.3	
	2	6.95	6.91	7.01	5.4	1.9
Heptachlor epoxide	1	8.16	8.12	8.22	5.7	
	2	7.71	7.67	7.77	5.8	1.7
Endosulfan I	1	8.78	8.73	8.83	5.6	
	2	8.27	8.23	8.33	5.8	3.5

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MD Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.17	9.12	9.22	11	
	2	8.70	8.66	8.76	12	8.7
4,4'-DDE	1	8.68	8.63	8.73	11	
	2	8.48	8.44	8.54	12	8.7
Endrin	1	9.56	9.52	9.62	11	
	2	9.20	9.16	9.26	12	8.7
Endosulfan II	1	9.96	9.92	10.02	11	
	2	9.57	9.53	9.63	11	0.0
4,4'-DDD	1	9.69	9.64	9.74	11	
	2	9.44	9.40	9.50	12	8.7
Endosulfan sulfate	1	11.57	11.53	11.63	9.9	
	2	10.73	10.69	10.79	10	1.0
4,4'-DDT	1	10.20	10.16	10.26	12	
	2	10.01	9.97	10.07	13	8.0
Methoxychlor	1	11.13	11.08	11.18	59	
	2	11.38	11.34	11.44	62	5.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MD Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.09	12.05	12.15	11	
	2	11.72	11.68	11.78	11	0.0
Endrin aldehyde	1	10.75	10.70	10.80	6.5	
	2	10.20	10.16	10.26	7.1	8.8
gamma-Chlordane	1	8.35	8.30	8.40	5.6	
	2	7.98	7.94	8.04	5.9	5.2
alpha-Chlordane	1	8.55	8.51	8.61	5.0	
	2	8.20	8.16	8.26	5.3	5.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: C081309LCS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	5.93	5.88	5.98	4.1	
	2	5.67	5.62	5.72	4.5	9.3
beta-BHC	1	6.42	6.37	6.47	4.4	
	2	6.17	6.12	6.22	4.8	8.7
delta-BHC	1	6.64	6.59	6.69	4.3	
	2	6.51	6.45	6.55	4.4	2.3
gamma-BHC (Lindane)	1	6.31	6.27	6.37	4.3	
	2	6.07	6.02	6.12	4.5	4.5
Heptachlor	1	6.90	6.86	6.96	4.1	
	2	6.57	6.52	6.62	4.7	14
Aldrin	1	7.30	7.25	7.35	4.2	
	2	6.96	6.91	7.01	4.4	4.7
Heptachlor epoxide	1	8.16	8.12	8.22	4.5	
	2	7.72	7.67	7.77	4.7	4.3
Endosulfan I	1	8.78	8.73	8.83	4.5	
	2	8.29	8.23	8.33	4.6	2.2

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: C081309LCS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.17	9.12	9.22	8.8	
	2	8.72	8.66	8.76	9.1	3.4
4,4'-DDE	1	8.68	8.63	8.73	8.9	
	2	8.49	8.44	8.54	9.1	2.2
Endrin	1	9.57	9.52	9.62	8.9	
	2	9.21	9.16	9.26	9.2	3.3
Endosulfan II	1	9.97	9.92	10.02	9.0	
	2	9.59	9.53	9.63	9.2	2.2
4,4'-DDD	1	9.69	9.64	9.74	9.1	
	2	9.46	9.40	9.50	9.5	4.3
Endosulfan sulfate	1	11.57	11.53	11.63	8.3	
	2	10.74	10.69	10.79	8.5	2.4
4,4'-DDT	1	10.20	10.16	10.26	9.5	
	2	10.03	9.97	10.07	10	5.1
Methoxychlor	1	11.13	11.08	11.18	51	
	2	11.39	11.34	11.44	50	2.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: C081309LCS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.09	12.05	12.15	8.9	
	2	11.73	11.68	11.78	9.3	4.4
Endrin aldehyde	1	10.75	10.70	10.80	5.1	
	2	10.21	10.16	10.26	5.4	5.7
gamma-Chlordane	1	8.35	8.30	8.40	4.4	
	2	7.99	7.94	8.04	4.8	8.7
alpha-Chlordane	1	8.56	8.51	8.61	4.1	
	2	8.21	8.16	8.26	4.3	4.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10036

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803239

Phase Weight: 9.90 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: 100 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	51	U
11104-28-2	Aroclor-1221	51	U
11141-16-5	Aroclor-1232	51	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	51	U
11097-69-1	Aroclor-1254	51	U
11096-82-5	Aroclor-1260	51	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10037

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803240

Phase Weight: 10.03 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: 95 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	52	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK814F

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: PBLK814F

Phase Weight: 10.03 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10037MS

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803240MS

Phase Weight: 10.10 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 10.0 Date Analyzed: 08/20/09

% Solids: 95 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	520	U
11104-28-2	Aroclor-1221	520	U
11141-16-5	Aroclor-1232	520	U
53469-21-9	Aroclor-1242	7100	
12672-29-6	Aroclor-1248	520	U
11097-69-1	Aroclor-1254	7400	
11096-82-5	Aroclor-1260	520	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10037MSD

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803240MD

Phase Weight: 9.98 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 10.0 Date Analyzed: 08/20/09

% Solids: 95 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	530	U
11104-28-2	Aroclor-1221	530	U
11141-16-5	Aroclor-1232	530	U
53469-21-9	Aroclor-1242	5000	
12672-29-6	Aroclor-1248	530	U
11097-69-1	Aroclor-1254	5200	
11096-82-5	Aroclor-1260	530	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS814F

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: PLCS814F

Phase Weight: 10.02 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	560	
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	580	
11096-82-5	Aroclor-1260	50	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.	TCX 1 % REC	#	TCX 2 % REC	#	DCB 1 % REC	#	DCB 2 % REC	#
PBLK814F	105		105		124		126	
PLCS814F	108		108		125		119	
TS10036	79		76		92		86	
TS10037	106		104		125		120	
TS10037MS	110	D	107	D	121	D	120	D
TS10037MSD	76	D	73	D	82	D	84	D

Project Specific
QC Limits
(60 - 150)
(60 - 150)

TCX = Tetrachloro-meta-Xylene
DCB = Decachlorobiphenyl

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3
AROCLOR MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.: TS10037

Compound	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTATION ug/Kg	MS % REC #	QC LIMITS REC.
Aroclor 1242	5211	0	7073	136	39-150
Aroclor 1254	5211	0	7369	141 *	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 1 out of 2 outside limits.

Comments:

FORM 3
AROCLOR MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.: TS10037

Compound	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1242	5274	4955	94	35 *	30	39-150
Aroclor 1254	5274	5151	98	35 *	30	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

RPD: 2 out of 2 outside limits.
Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.: PLCS814F

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	499	559	112	39-150
Aroclor 1254	499	578	116	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK814F	SDG:	KAL472
Matrix:	SOIL	Level:	LOW
Date Extracted:	08/14/09	Date Analyzed(2):	08/20/09
Date Analyzed(1):	08/20/09	Time Analyzed(2):	04:57
Time Analyzed(1):	04:57	GC ID(2):	HP7227
GC ID(1):	HP7227	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS814F	PLCS814F	08/20/09	08/20/09
803239	TS10036	08/20/09	08/20/09
803240	TS10037	08/20/09	08/20/09
803240MS	TS10037MS	08/20/09	08/20/09
803240MD	TS10037MSD	08/20/09	08/20/09

7227_081209F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	12-Aug-09	23:01 to	
GC:	HP-7227		13-Aug-09	12:44	
Col. 1:	RTX-5				
Col. 2:	RTX-35	File:	01,02 12AUG092144		

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		55.6	105	206	397	787	
	Cal Fact	1.112	1.050	1.030	0.993	0.984	5.0
	% Diff	-11	-5	-3	1	2	
Aroclor 1221		56.3	107	207	403	777	
	Cal Fact	1.126	1.070	1.035	1.008	0.971	5.7
	% Diff	-13	-7	-4	-1	3	
Aroclor 1232		55.2	108	206	407	773	
	Cal Fact	1.104	1.080	1.030	1.018	0.966	5.2
	% Diff	-10	-8	-3	-2	3	
Aroclor 1242		54.1	107	203	394	792	
	Cal Fact	1.082	1.070	1.015	0.985	0.990	4.4
	% Diff	-8	-7	-2	2	1	
Aroclor 1248		54.1	106	206	393	791	
	Cal Fact	1.082	1.060	1.030	0.983	0.989	4.2
	% Diff	-8	-6	-3	2	1	
Aroclor 1254		53.6	104	200	390	803	
	Cal Fact	1.072	1.040	1.000	0.975	1.004	3.7
	% Diff	-7	-4	0	3	0	
Aroclor 1260		49.2	94.5	192	383	832	
	Cal Fact	0.984	0.945	0.960	0.958	1.040	3.9
	% Diff	2	6	4	4	-4	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL472F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP7227
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 01,02 12AUG092144
date/time: 8/12/2009 23:01 to 8/13/2009 12:44

Check Standard File: 01,02 19AUG092115,16
Date: 8/20/2009
Time: 3:20

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	227	13.5

Check Standard File: 01,02 19AUG092115,17
Date: 8/20/2009
Time: 3:45

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1254	200	229	14.5

Check Standard File: 01,02 19AUG092115,27
Date: 8/20/2009
Time: 7:47

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	226	13.0

Check Standard File: 01,02 19AUG092115,28
Date: 8/20/2009
Time: 8:11

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	216	8.0

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	12-Aug-2009 23:01	3.59	13.90	
AR1016 100ppb	AR1016 100	12-Aug-2009 23:26	3.58	13.90	
AR1016 200ppb	AR1016 200	12-Aug-2009 23:50	3.59	13.90	
AR1016 400ppb	AR1016 400	13-Aug-2009 00:14	3.59	13.91	
AR1016 800ppb	AR1016 800	13-Aug-2009 00:38	3.59	13.91	
AR1221 50ppb	AR1221 50	13-Aug-2009 01:02	3.59	13.91	
AR1221 100ppb	AR1221 100	13-Aug-2009 01:27	3.60	13.91	
AR1221 200ppb	AR1221 200	13-Aug-2009 01:51	3.60	13.91	
AR1221 400ppb	AR1221 400	13-Aug-2009 02:15	3.60	13.91	
AR1221 800ppb	AR1221 800	13-Aug-2009 02:39	3.58	13.90	
AR1232 50ppb	AR1232 50	13-Aug-2009 03:03	3.58	13.90	
AR1232 100ppb	AR1232 100	13-Aug-2009 03:27	3.58	13.90	
AR1232 200ppb	AR1232 200	13-Aug-2009 03:52	3.58	13.90	
AR1232 400ppb	AR1232 400	13-Aug-2009 04:16	3.58	13.90	
AR1232 800ppb	AR1232 800	13-Aug-2009 04:40	3.59	13.90	
AR1242 50ppb	AR1242 50	13-Aug-2009 05:04	3.59	13.90	
AR1242 100ppb	AR1242 100	13-Aug-2009 05:28	3.59	13.91	
AR1242 200ppb	AR1242 200	13-Aug-2009 05:52	3.59	13.90	
AR1242 400ppb	AR1242 400	13-Aug-2009 06:17	3.60	13.91	
AR1242 800ppb	AR1242 800	13-Aug-2009 06:41	3.59	13.91	
AR1248 50ppb	AR1248 50	13-Aug-2009 07:05	3.59	13.91	
AR1248 100ppb	AR1248 100	13-Aug-2009 07:29	3.60	13.91	
AR1248 200ppb	AR1248 200	13-Aug-2009 07:53	3.60	13.91	
AR1248 400ppb	AR1248 400	13-Aug-2009 08:18	3.60	13.91	
AR1248 800ppb	AR1248 800	13-Aug-2009 08:42	3.58	13.90	
AR1254 50ppb	AR1254 50	13-Aug-2009 09:06	3.58	13.90	
AR1254 100ppb	AR1254 100	13-Aug-2009 09:30	3.59	13.90	
AR1254 200ppb	AR1254 200	13-Aug-2009 09:54	3.59	13.90	
AR1254 400ppb	AR1254 400	13-Aug-2009 10:19	3.59	13.90	
AR1254 800ppb	AR1254 800	13-Aug-2009 10:43	3.59	13.90	
AR1260 50ppb	AR1260 50	13-Aug-2009 11:07	3.59	13.90	
AR1260 100ppb	AR1260 100	13-Aug-2009 11:31	3.59	13.90	
AR1260 200ppb	AR1260 200	13-Aug-2009 11:55	3.59	13.90	
AR1260 400ppb	AR1260 400	13-Aug-2009 12:19	3.59	13.90	
AR1260 800ppb	AR1260 800	13-Aug-2009 12:44	3.59	13.90	
AR1248 200	AR1248 200	20-Aug-2009 03:20	3.58	13.89	
AR1254 200	AR1254 200	20-Aug-2009 03:45	3.59	13.90	
PBLK814F	PBLK814F	20-Aug-2009 04:57	3.58	13.89	
PLCS814F	PLCS814F	20-Aug-2009 05:21	3.58	13.89	
803239	TS10036	20-Aug-2009 05:46	3.58	13.89	
803240	TS10037	20-Aug-2009 06:10	3.58	13.89	
803240MS;1:10	TS10037MS	20-Aug-2009 06:34	3.59	13.90	
803240MD;1:10	TS10037MSD	20-Aug-2009 06:58	3.59	13.90	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.59 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 13.90 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	20-Aug-2009 07:47	3.59	13.90	
AR1260 200	AR1260 200	20-Aug-2009 08:11	3.59	13.90	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.59	TCX:Tetrachloro-meta-xylene	(■ 0.04 minutes)
DCB: 13.90	DCB:Decachlorobiphenyl	(■ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	12-Aug-2009 23:01	4.12	14.96	
AR1016 100ppb	AR1016 100	12-Aug-2009 23:26	4.14	14.97	
AR1016 200ppb	AR1016 200	12-Aug-2009 23:50	4.12	14.96	
AR1016 400ppb	AR1016 400	13-Aug-2009 00:14	4.13	14.96	
AR1016 800ppb	AR1016 800	13-Aug-2009 00:38	4.13	14.96	
AR1221 50ppb	AR1221 50	13-Aug-2009 01:02	4.13	14.96	
AR1221 100ppb	AR1221 100	13-Aug-2009 01:27	4.13	14.97	
AR1221 200ppb	AR1221 200	13-Aug-2009 01:51	4.13	14.97	
AR1221 400ppb	AR1221 400	13-Aug-2009 02:15	4.13	14.96	
AR1221 800ppb	AR1221 800	13-Aug-2009 02:39	4.12	14.95	
AR1232 50ppb	AR1232 50	13-Aug-2009 03:03	4.12	14.96	
AR1232 100ppb	AR1232 100	13-Aug-2009 03:27	4.13	14.96	
AR1232 200ppb	AR1232 200	13-Aug-2009 03:52	4.13	14.96	
AR1232 400ppb	AR1232 400	13-Aug-2009 04:16	4.12	14.95	
AR1232 800ppb	AR1232 800	13-Aug-2009 04:40	4.12	14.96	
AR1242 50ppb	AR1242 50	13-Aug-2009 05:04	4.12	14.95	
AR1242 100ppb	AR1242 100	13-Aug-2009 05:28	4.13	14.96	
AR1242 200ppb	AR1242 200	13-Aug-2009 05:52	4.13	14.96	
AR1242 400ppb	AR1242 400	13-Aug-2009 06:17	4.13	14.96	
AR1242 800ppb	AR1242 800	13-Aug-2009 06:41	4.13	14.96	
AR1248 50ppb	AR1248 50	13-Aug-2009 07:05	4.13	14.96	
AR1248 100ppb	AR1248 100	13-Aug-2009 07:29	4.14	14.97	
AR1248 200ppb	AR1248 200	13-Aug-2009 07:53	4.13	14.96	
AR1248 400ppb	AR1248 400	13-Aug-2009 08:18	4.14	14.97	
AR1248 800ppb	AR1248 800	13-Aug-2009 08:42	4.13	14.96	
AR1254 50ppb	AR1254 50	13-Aug-2009 09:06	4.12	14.95	
AR1254 100ppb	AR1254 100	13-Aug-2009 09:30	4.13	14.96	
AR1254 200ppb	AR1254 200	13-Aug-2009 09:54	4.12	14.95	
AR1254 400ppb	AR1254 400	13-Aug-2009 10:19	4.13	14.96	
AR1254 800ppb	AR1254 800	13-Aug-2009 10:43	4.14	14.97	
AR1260 50ppb	AR1260 50	13-Aug-2009 11:07	4.12	14.95	
AR1260 100ppb	AR1260 100	13-Aug-2009 11:31	4.13	14.96	
AR1260 200ppb	AR1260 200	13-Aug-2009 11:55	4.12	14.96	
AR1260 400ppb	AR1260 400	13-Aug-2009 12:19	4.13	14.96	
AR1260 800ppb	AR1260 800	13-Aug-2009 12:44	4.12	14.96	
AR1248 200	AR1248 200	20-Aug-2009 03:20	4.14	14.97	
AR1254 200	AR1254 200	20-Aug-2009 03:45	4.13	14.97	
PBLK814F	PBLK814F	20-Aug-2009 04:57	4.12	14.95	
PLCS814F	PLCS814F	20-Aug-2009 05:21	4.12	14.95	
803239	TS10036	20-Aug-2009 05:46	4.11	14.95	
803240	TS10037	20-Aug-2009 06:10	4.12	14.95	
803240MS;1:10	TS10037MS	20-Aug-2009 06:34	4.13	14.96	
803240MD;1:10	TS10037MSD	20-Aug-2009 06:58	4.12	14.96	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.13 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.96 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	20-Aug-2009 07:47	4.13	14.96	
AR1260 200	AR1260 200	20-Aug-2009 08:11	4.12	14.95	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.13 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.96 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093061***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/21/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093061. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***093061***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10036"***

Sampled By : ***BL of ARCADIS of New York, Inc.***

Sample Date : ***08/10/09***

Sample Time : ***1430***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093061-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	95.86	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, VOA	Completed		EPA 5035	08/12/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	08/12/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	08/19/09	KTL	
Prep, SV BN	Completed		EPA 3545	08/12/09	GMB	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	08/19/09	KTL	
12DCA-D4 (surr spk)	98	% spike recovery	EPA 8260	08/12/09	JAR	
BFB (surr spk)	98	% spike recovery	EPA 8260	08/12/09	JAR	
Toluene-D8 (surr spk)	103	% spike recovery	EPA 8260	08/12/09	JAR	
2FB (surr spk)	56	% spike recovery	EPA 8270	08/19/09	KTL	
Terphenyl D14 (surr spk)	77	% spike recovery	EPA 8270	08/19/09	KTL	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***093061***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10037"***

Sampled By : ***BL of ARCADIS of New York, Inc.***

Sample Date : ***08/10/09***

Sample Time : ***1430***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093061-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.78	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, VOA	Completed		EPA 5035	08/12/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	08/12/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	08/19/09	KTL	
Prep, SV BN	Completed		EPA 3545	08/12/09	GMB	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	08/19/09	KTL	
12DCA-D4 (surr spk)	96	% spike recovery	EPA 8260	08/12/09	JAR	
BFB (surr spk)	100	% spike recovery	EPA 8260	08/12/09	JAR	
Toluene-D8 (surr spk)	102	% spike recovery	EPA 8260	08/12/09	JAR	
2FB (surr spk)	63	% spike recovery	EPA 8270	08/19/09	KTL	
Terphenyl D14 (surr spk)	74	% spike recovery	EPA 8270	08/19/09	KTL	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***093061***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank***

Sampled By :

Sample Date :

Sample Time :

Date Received : ***08/10/09***

Sample Type : ***LMB-soil***

KAR Sample No. : ***093061-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	08/12/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	08/12/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	08/19/09	KTL	
Prep, SV BN	Completed		EPA 3545	08/12/09	GMB	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	08/19/09	KTL	
12DCA-D4 (surr spk)	95	% spike recovery	EPA 8260	08/12/09	JAR	
BFB (surr spk)	102	% spike recovery	EPA 8260	08/12/09	JAR	
Toluene-D8 (surr spk)	99	% spike recovery	EPA 8260	08/12/09	JAR	
2FB (surr spk)	61	% spike recovery	EPA 8270	08/19/09	KTL	
Terphenyl D14 (surr spk)	80	% spike recovery	EPA 8270	08/19/09	KTL	

KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093061***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/21/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093061. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093061*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).*

Sample ID : *"TS10036"*

Sampled By : *BL of ARCADIS of New York, Inc.* **Date Sampled :** *08/10/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1430* **Sample No. :** *093061-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	98 % spike recovery								63-132	NA	EPA 8260	08/12/09	JAR		
2FB (surr spk)	56 % spike recovery								30-115	NA	EPA 8270	08/19/09	KTL		
BFB (surr spk)	98 % spike recovery								88-135	NA	EPA 8260	08/12/09	JAR		
Dry weight solids	95.86 % by weight							0.5 %		5	SM 2540 B mod.	08/11/09	JAR		
Prep, SV BN	Completed										EPA 3545	08/12/09	GMB		
Prep, VOA	Completed										EPA 5035	08/12/09	JAR		Sample was field-preserved at time of collection.
SVOA surr. - Base/Neutrals	See below										EPA 8270	08/19/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample		78.0 %	85.8 %	9.4 %				0-127	14	EPA 8270	08/19/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample		96.1 %	94.2 %	1.9 %				89-116	11	EPA 8260	08/12/09	JAR		
Terphenyl D14 (surr spk)	77 % spike recovery								18-137	NA	EPA 8270	08/19/09	KTL		
Toluene-D8 (surr spk)	103 % spike recovery								71-123	NA	EPA 8260	08/12/09	JAR		

QUALITY CONTROL REPORT

KAR Project No. : *093061*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).*

Sample ID : *"TS10037"*

Sampled By : *BL of ARCADIS of New York, Inc.* **Date Sampled :** *08/10/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1430* **Sample No. :** *093061-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	96 % spike recovery								63-132	NA	EPA 8260	08/12/09	JAR		
2FB (surr spk)	63 % spike recovery								30-115	NA	EPA 8270	08/19/09	KTL		
BFB (surr spk)	100 % spike recovery								88-135	NA	EPA 8260	08/12/09	JAR		
Dry weight solids	99.78 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
Prep, SV BN	Completed										EPA 3545	08/12/09	GMB		
Prep, VOA	Completed										EPA 5035	08/12/09	JAR		Sample was field-preserved at time of collection.
SVOA surr. - Base/Neutrals	See below										EPA 8270	08/19/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample								0-127	14	EPA 8270	08/19/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample								89-116	11	EPA 8260	08/12/09	JAR		
Terphenyl D14 (surr spk)	74 % spike recovery								18-137	NA	EPA 8270	08/19/09	KTL		
Toluene-D8 (surr spk)	102 % spike recovery								71-123	NA	EPA 8260	08/12/09	JAR		

QUALITY CONTROL REPORT

KAR Project No. : *093061*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***
Sampled By :
Date Received : *08/10/09*
Date Sampled :
Time Sampled :
Sample Type : *LMB-soil*
Sample No. : *093061-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	95 % spike recovery								63-132	NA	EPA 8260	08/12/09	JAR		
2FB (surr spk)	61 % spike recovery								30-115	NA	EPA 8270	08/19/09	KTL		
BFB (surr spk)	102 % spike recovery								88-135	NA	EPA 8260	08/12/09	JAR		
Prep, SV BN	Completed										EPA 3545	08/12/09	GMB		
Prep, VOA	Completed										EPA 5035	08/12/09	JAR		Sample was field-preserved at time of collection.
SVOA surr. - Base/Neutrals	See below										EPA 8270	08/19/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample								0-127	14	EPA 8270	08/19/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample								89-116	11	EPA 8260	08/12/09	JAR		
Terphenyl D14 (surr spk)	80 % spike recovery								18-137	NA	EPA 8270	08/19/09	KTL		
Toluene-D8 (surr spk)	99 % spike recovery								71-123	NA	EPA 8260	08/12/09	JAR		

BATCH QC REPORT

Printed : 10:36:31 AM, 08/24/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090811DW3	08/11/09	95.86							96.11	95.62	0.5 %		5	093061-01
TPH by GC-diesel range	090812SO2	08/19/09	0	2	1.561	78.0 %	1.715	85.8 %	9.4 %				0-127	14	093061-01
TPH by GC-gasoline range	090812W62	08/12/09	0	500	480.36	96.1 %	471.2	94.2 %	1.9 %				89-116	11	093061-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

KAR Laboratories, Inc.

(269) 381-9666

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 081009.2

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax:
City State Zip: Chicago, IL 60603	E-mail Address: Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell No.2 Dam TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Ben Lawrence	Sampler's Signature: [signature]

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		TPH (DRO)	TPH (GRO)				
Preservative							E	F				
Filtered (✓)							-	-				
# of Containers							2	2				
Container Information							8	1				
TS10036	8/10/09	1430	X		SO		X	X				
TS10037	8/10/09	1430	X		SO		X	X				

KEYS

Preservation Key:
A. H2S04
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment
SO = Soil
W = Water
A = Air
NL = NAPL / Oil
T = Tissue
SL = Sludge
SW = Surface Wipe

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar Laboratories - Kalamazoo	Cooler Custody Seal (✓)	Printed Name: Ben Lawrence	Printed Name: Sandy Mertz	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature: Sandy Mertz	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm:
Fed-Ex Tracking #:	Condition/Cooler Temp:	Date/Time: 8/10/09 1545	Date/Time: 8-10-09 3:45 pm	Date/Time:

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
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www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093349***
Date Reported :	***09/04/09***
Date Activated :	***08/27/09***
Date Due :	***09/11/09***
Date Validated :	***09/04/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093349. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

KAR Project No. : ***093349***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/04/09***

Project Desc. : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10038"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/19/09***

Sample Time : ***1415***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	82.25	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	82	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	09/01/09	GMB	

Sample ID : ***"TS10039"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/19/09***

Sample Time : ***1418***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	86.85	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	91	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	76	% spike recovery	EPA 8082	09/01/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093349***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/04/09***

Project Desc. : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10040"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/25/09***

Sample Time : ***0900***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	89.12	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	93	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	76	% spike recovery	EPA 8082	09/01/09	GMB	

Sample ID : ***"TS10041"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/25/09***

Sample Time : ***0910***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.07	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	83	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	09/01/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093349*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/04/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Sample Date :

Sample Time :

Date Received : *08/27/09*

Sample Type : *LMB*

KAR Sample No. : *093349-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	95	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	09/01/09	GMB	

KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093349***
Date Reported :	***09/04/09***
Date Activated :	***08/27/09***
Date Due :	***09/11/09***
Date Validated :	***09/04/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093349. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10038"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/19/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *1415* **Sample No. :** *093349-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	82 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	82.25 % by weight									5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		57.6 %	68.8 %	17.9 %				29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		55.4 %	70.7 %	24.1 %				29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep, ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10039"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/19/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *1418* **Sample No. :** *093349-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	91 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	86.85 % by weight									5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep, ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	76 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10040"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/25/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *0900* **Sample No. :** *093349-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	93 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	89.12 % by weight									5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep. ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	76 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10041"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/25/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *0910* **Sample No. :** *093349-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (post/PCB surr spk)	83 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	80.07 % by weight							0.1 %		5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep. ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*

Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Date Sampled :

Sample Type : *LMB*

Date Received : *08/27/09*

Time Sampled :

Sample No. : *093349-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	95 % spike recovery								25-121	NA	EPA 8082	09/01/09	GMB		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								12-113	5	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-74	6	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									10	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								16-128		EPA 8082	09/01/09	GMB		
Prep, ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	81 % spike recovery								23-100	NA	EPA 8082	09/01/09	GMB		

BATCH QC REPORT

Printed : 11:34:35 AM, 09/04/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090901DW1	09/01/09	80.07							80.04	80.1	0.1 %		5	093349-04
PCB Aroclor 1016	090828SO8	09/01/09	0	911.8541	524.8128	57.6 %	627.8081	68.8 %	17.9 %				29-135	25	093349-01
PCB Aroclor 1260	090828SO8	09/01/09	0	911.8541	505.5378	55.4 %	644.2857	70.7 %	24.1 %				29-135	25	093349-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 082509.1

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax:
City State Zip: Chicago, IL 60603	E-mail Address: Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell No.2 Dam TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Mike Kohagen	Sampler's Signature:

Preservative	E					
Filtered (✓)	-					
# of Containers	1					
Container Information	8					

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		PCB (SW-846 8082)						REMARKS
TS10038	8/19/09	1415	X		SO		X						
TS10039	8/19/09	1418	X		SO		X						
TS10040	8/25/09	0900	X		SO		X						
TS10041	8/25/09	0910	X		SO		X						

KEYS

Preservation Key:
A. H2SO4
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment A = Air SL = Sludge
SO = Soil NL = NAPL / Oil SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar Laboratories - Kalamazoo	Cooler Custody Seal (✓)	Printed Name: Mike Kohagen	Printed Name: Sandra Mertz	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature: Sandra Mertz	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm: KAR Labs	Firm:
Fed-Ex Tracking #:	Condition/Cooler Temp:	Date/Time: 8/27/09 1240	Date/Time: 8/27/09	Date/Time:

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL478

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

October 14, 2009

Mr. Dennis Capria
ARCADIS
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: KZOO; SDG: KAL478

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on September 9th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 09/09/09 ETR No: 133447		
805771	TS10042	09/08/09	SOIL
805772	TS10043	09/08/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

A matrix spike performed during the metals analysis of sample TS10043 yielded recoveries for arsenic and barium outside control criteria. The duplicate RPD values were also elevated for these elements. The serial dilution percent differences were elevated in this sample for arsenic, barium and chromium.

The semivolatile organic analysis of sample TS10043 was accomplished at a three-fold dilution based on a preliminary screen analysis that indicated the presence of a large aldol condensation peak, which can form in the extracts for select sample matrices. The laboratory determined that the presence of the aldol condensation peak precluded a full strength analysis, as it would have resulted in a source fault that would have shut the instrument down.

Matrix spikes performed during the pesticide analysis of sample TS10043 yielded low recoveries for delta-BHC , endosulfan I and endosulfan II. The associated blank spike sample exhibited acceptable recoveries for all compounds.

Due to the close similarity between Aroclors 1016 and 1242, the automated PCB quantification algorithm occasionally identifies both Aroclors, or just Aroclor 1016. Based on the historical approach to this situation for the project, any software reports identified as Aroclor 1016 are actually reported as Aroclor 1242. Although the software report still identifies the Aroclor 1016, the final reporting form and EDD will only reflect the cumulative result for Aroclor 1242.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 090809.1

Send Results to:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	Fax:
30 W. Monroe	
City State Zip	E-mail Address:
Chicago, IL 60603	Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State):	Project #:
Plainwell No.2 Dam TCRA	B0064536.0001.00001
Sampler's Printed Name:	Sampler's Signature:
Mike Kohagen	

Preservative	E
Filtered (✓)	-
# of Containers	5
Container Information	8

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		VOC's (SW-846 8260)	SVOC's (SW-846 8270)	Chlorinated Pesticides (SW-846 8081)	RCRA Metals	PCB (SW-846 8082)	REMARKS
TS10042	9/8/09	1430	X		SO		X	X	X	X	X	6A NATURAL
TS10043	9/8/09	1435	X		SO		X	X	X	X	X	21AA CRUSHED CONCRETE

KEYS

Preservation Key:
A. H2SO4
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America - South Burlington	Cooler Custody Seal (✓)	Printed Name: Mike Kohagen	Printed Name: Scott Lavigne	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm: TA BURL	Firm:
Fed-Ex Tracking #: 7979 1331 0348	Condition/Cooler Temp:	Date/Time: 9/8/09	Date/Time: 9/9/09 1025	Date/Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10042

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL478

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 805771

Matrix: SOIL

Client: BBLKAL

Date Received: 09/09/09

% Solids: 96.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	09/14/09		%	1	0.10	96.3	

Printed on: 09/16/09 09:47 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10043

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL478

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 805772

Matrix: SOIL

Client: BBLKAL

Date Received: 09/09/09

% Solids: 94.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	09/14/09		%	1	0.10	94.4	

Printed on: 09/16/09 09:47 AM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

SOW No.:

EPA Sample No.	Lab Sample ID.
TS10042	805771
TS10043	805772
TS10043D	805772DP
TS10043S	805772MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10042

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Lab Sample ID: 805771

Level (low/med): LOW Date Received: 09/09/09

% Solids: 96.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.051	U		P
7440-38-2	Arsenic	9.3		NE*	P
7440-39-3	Barium	18.2	B	NE*	P
7440-43-9	Cadmium	0.017	U		P
7440-47-3	Chromium	2.2		E	P
7439-97-6	Mercury	0.014	U		CV
7439-92-1	Lead	8.6			P
7782-49-2	Selenium	0.14	U		P

Color Before: light brown Clarity Before: Texture: coarse

Color After: yellow Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10043

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Lab Sample ID: 805772

Level (low/med): LOW Date Received: 09/09/09

% Solids: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.053	U		P
7440-38-2	Arsenic	12.2		NE*	P
7440-39-3	Barium	71.3		NE*	P
7440-43-9	Cadmium	0.018	U		P
7440-47-3	Chromium	10.4		E	P
7439-97-6	Mercury	0.014	U		CV
7439-92-1	Lead	18.3			P
7782-49-2	Selenium	0.15	U		P

Color Before: brown Clarity Before: Texture: fine

Color After: yellow Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.21	107.0	5.0	5.05	101.0	5.06	101.2	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				5.0	5.00	100.0	5.06	101.2	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	489.90	98.0	100.0	100.50	100.5	100.20	100.2	P
Arsenic	250.0	265.20	106.1	100.0	106.30	106.3	106.70	106.7	P
Barium	500.0	491.50	98.3	200.0	202.30	101.2	191.60	95.8	P
Cadmium	500.0	491.10	98.2	100.0	100.70	100.7	99.93	99.9	P
Chromium	500.0	496.40	99.3	200.0	200.90	100.4	201.30	100.6	P
Lead	1000.0	975.80	97.6	400.0	402.70	100.7	405.80	101.4	P
Selenium	250.0	253.90	101.6	100.0	104.00	104.0	100.70	100.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	6.67	66.7		
Arsenic				10.0	12.34	123.4		
Barium				200.0	199.30	99.6		
Cadmium				5.0	5.48	109.6		
Chromium				10.0	10.69	106.9		
Lead				10.0	12.26	122.6		
Selenium				35.0	36.31	103.7		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.1	U							CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.5	U	0.5	U	0.5	U			0.054	U	P
Arsenic	2.1	U	2.1	U	2.1	U			0.210	U	P
Barium	3.1	U	3.1	U	3.1	U			0.310	U	P
Cadmium	0.2	B	0.2	B	0.2	U			0.023	B	P
Chromium	0.2	U	0.2	U	0.2	U			0.033	B	P
Lead	1.4	U	2.0	B	1.7	B			0.140	U	P
Selenium	1.5	U	1.5	U	-2.1	B			0.150	U	P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	208	-1	207.8	99.9			
Arsenic	0	95	-3	102.6	108.0			
Barium	0	481	2	492.7	102.4			
Cadmium	0	987	0	994.3	100.7			
Chromium	0	486	0	499.3	102.7			
Lead	0	48	-1	48.5	101.0			
Selenium	0	52	6	53.9	103.7			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10043S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	80 - 120	4.4157		0.0530	U	4.65	95.0		P
Arsenic	80 - 120	9.3759		12.1528		3.72	-74.6	N	P
Barium	80 - 120	186.2177		71.2688		185.85	61.9	N	P
Cadmium	80 - 120	4.3609		0.0177	U	4.65	93.8		P
Chromium	80 - 120	27.4959		10.4167		18.58	91.9		P
Mercury	85 - 115	0.1573		0.0136	U	0.16	98.3		CV
Lead		18.1943		18.3322		1.86	-7.4		P
Selenium	80 - 120	4.2614		0.1471	U	4.65	91.6		P

Comments:

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

TS10043D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.4 % Solids for Duplicate: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Silver		0.0530	U	0.0477	U			P
Arsenic		12.1528		6.6578		58.4	*	P
Barium	19.6	71.2688		41.1988		53.5	*	P
Cadmium		0.0177	U	0.1088	B	200.0		P
Chromium		10.4167		11.3701		8.8		P
Mercury		0.0136	U	0.0177	U			CV
Lead		18.3322		21.3100		15.0		P
Selenium		0.1471	U	0.1324	U			P

USEPA-CLP FORMS

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LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL478

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

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LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL478

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	26.1		20.0	30.0	104.4
Arsenic				24.0	25.8		19.2	28.8	107.5
Barium				200.0	207.8		160.0	240.0	103.9
Cadmium				25.0	25.4		20.0	30.0	101.6
Chromium				20.0	21.5		16.0	24.0	107.5
Lead				22.0	23.3		17.6	26.4	105.9
Selenium				25.0	25.0		20.0	30.0	100.0

USEPA-CLP FORMS

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ICP SERIAL DILUTIONS

SAMPLE NO.

TS10043L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.54	U	2.70	U			P
Arsenic	123.90		143.60		15.9	E	P
Barium	726.60		835.20	B	14.9	E	P
Cadmium	0.18	U	0.90	U			P
Chromium	106.20		119.30		12.3	E	P
Lead	186.90		204.00		9.1		P
Selenium	1.50	U	7.50	U			P

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: Date: 07/22/09

Flame AA ID Number: Leeman Hydra AA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

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INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.54	P
Arsenic	189.042		10	2.1	P
Barium	493.409		200	3.1	P
Cadmium	226.502		5	0.18	P
Chromium	267.716		10	0.19	P
Lead	220.353		10	1.4	P
Selenium	196.026		35	1.5	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0006600	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0743217	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0001518	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001225
Molybdenum	202.030	0.0447130	0.0042559	0.0018500	0.0086269	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0024136	-0.0001264
Vanadium	292.402	0.0000000	0.0000000	0.0083899	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		As	B	Be	Cd	Co
Aluminum	308.215	0.0000169	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0105618	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0001866
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0129523	0.0000000	0.0000000	0.0000000	0.0001258
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0003715	0.0290852	0.0000000	0.0000000	-0.0023139
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000374
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0006516	0.0000000	0.0020829
Vanadium	292.402	0.0000000	0.0000000	0.0007609	0.0000991	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0003811	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000111	0.0000000	0.0000000	0.0000421
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000168	0.0000000	0.0000000
Manganese	257.610	0.0001367	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0007021	0.0005166	0.0000000	0.0000000	0.0002643
Nickel	231.604	-0.0001397	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000840	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000795	0.0000000	0.0000162	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0005832	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0017004	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0087800	0.0000000	0.0016815	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0023884
Copper	324.754	-0.0007823	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000226	0.0000318	0.0000147	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0002184	0.0000000	0.0009629	0.0000000	0.0005791
Molybdenum	202.030	-0.0023731	-0.0007787	0.0001642	0.0067559	0.0000000
Nickel	231.604	0.0002095	-0.0001417	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0049112	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0006655	-0.0002595	0.0000000	0.0066419	-0.0010827
Vanadium	292.402	-0.0000610	-0.0028037	0.0000000	0.0015099	-0.0002663
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000127			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0003952			
Iron	271.441	0.0000319	0.0000814			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000303			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0161925	-0.0001384			
Nickel	231.604	0.0000000	0.0061855			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0011538	-0.0005608			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	5000.0	P

Comments:

USEPA-CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL478

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS091009A	09/10/09	0.50	50.0
PBS091009A	09/10/09	0.30	50.0
TS10042	09/10/09	0.36	50.0
TS10043	09/10/09	0.39	50.0
TS10043D	09/10/09	0.30	50.0
TS10043S	09/10/09	0.34	50.0

USEPA-CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS091009D	09/10/09	1.00	100.0
PBS091009D	09/10/09	1.00	100.0
TS10042	09/10/09	1.10	100.0
TS10043	09/10/09	1.08	100.0
TS10043D	09/10/09	1.20	100.0
TS10043S	09/10/09	1.14	100.0

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 09/15/09 End Date: 09/15/09

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1027																X									
S0.2	1.00	1029																X									
S0.5	1.00	1031																X									
S1	1.00	1033																X									
S5	1.00	1035																X									
S10	1.00	1036																X									
ICV	1.00	1038																X									
ICB	1.00	1040																X									
CCV	1.00	1042																X									
CCB	1.00	1044																X									
PBS091009A	1.00	1046																X									
LCSS091009A	1.00	1048																X									
ZZZZZZ	1.00	1050																									
ZZZZZZ	1.00	1052																									
ZZZZZZ	1.00	1054																									
ZZZZZZ	1.00	1055																									
ZZZZZZ	1.00	1057																									
ZZZZZZ	1.00	1059																									
ZZZZZZ	1.00	1101																									
CCV	1.00	1103																X									
CCB	1.00	1105																X									
ZZZZZZ	1.00	1107																									
ZZZZZZ	1.00	1109																									
ZZZZZZ	1.00	1111																									
ZZZZZZ	1.00	1113																									
ZZZZZZ	1.00	1115																									
ZZZZZZ	1.00	1117																									
ZZZZZZ	1.00	1119																									
ZZZZZZ	1.00	1121																									
ZZZZZZ	1.00	1123																									
CCV	1.00	1125																X									
CCB	1.00	1127																X									
ZZZZZZ	1.00	1129																									
TS10042	1.00	1130																X									
TS10043	1.00	1132																X									
TS10043S	1.00	1134																X									
TS10043D	1.00	1136																X									
CCV	1.00	1138																X									

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 09/15/09 End Date: 09/15/09

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1140																X									

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 09/17/09 End Date: 09/17/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0111				X	X		X		X				X						X	X					
STD7	1.00	0115																									
STD8	1.00	0119				X									X						X						
STD4	1.00	0123					X		X		X											X					
ICV	1.00	0127				X	X		X		X				X						X	X					
ICB	1.00	0131				X	X		X		X				X						X	X					
ICSA	1.00	0135				X	X		X		X				X						X	X					
ICSAB	1.00	0138				X	X		X		X				X						X	X					
CRI	1.00	0142				X	X		X		X				X						X	X					
ZZZZZZ	1.00	0146																									
CCV	1.00	0150				X	X		X		X				X						X	X					
CCB	1.00	0154				X	X		X		X				X						X	X					
PBS091009D	1.00	0158				X	X		X		X				X						X	X					
LCSS091009D	1.00	0202				X	X		X		X				X						X	X					
TS10042	1.00	0206				X	X		X		X				X						X	X					
TS10043	1.00	0210				X	X		X		X				X						X	X					
TS10043L	5.00	0214				X	X		X		X				X						X	X					
TS10043S	1.00	0218				X	X		X		X				X						X	X					
TS10043D	1.00	0222				X	X		X		X				X						X	X					
ZZZZZZ	1.00	0226																									
ZZZZZZ	1.00	0230																									
ZZZZZZ	1.00	0234																									
CCV	1.00	0238				X	X		X		X				X						X	X					
CCB	1.00	0242				X	X		X		X				X						X	X					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 4 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl Chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
76-13-1	Freon TF	5.3	U
67-64-1	Acetone	5.3	U
75-15-0	Carbon Disulfide	5.3	U
75-09-2	Methylene Chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
1634-04-4	Methyl-t-Butyl Ether	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
78-93-3	2-Butanone	5.3	U
74-97-5	Bromochloromethane	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
56-23-5	Carbon Tetrachloride	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
79-01-6	Trichloroethene	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
108-10-1	4-Methyl-2-pentanone	5.3	U
108-88-3	Toluene	5.3	U
10061-02-6	trans-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
591-78-6	2-Hexanone	5.3	U
124-48-1	Dibromochloromethane	5.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 4 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethylbenzene	5.3	U
1330-20-7	Xylene (total)	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U
87-61-6	1,2,3-Trichlorobenzene	5.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 4 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 805772I2

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 6 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
76-13-1	Freon TF	5.2	U
67-64-1	Acetone	12	
75-15-0	Carbon Disulfide	5.2	U
75-09-2	Methylene Chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl-t-Butyl Ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
78-93-3	2-Butanone	5.2	U
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
56-23-5	Carbon Tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	5.2	U
108-88-3	Toluene	5.2	U
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 805772I2

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 6 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	5.2	U
1330-20-7	Xylene (total)	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 805772I2

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 6 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091109NB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091109NB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091109NB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NA091209LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50CQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	54	
74-87-3	Chloromethane	58	
75-01-4	Vinyl Chloride	56	
74-83-9	Bromomethane	59	
75-00-3	Chloroethane	66	
75-69-4	Trichlorofluoromethane	61	
75-35-4	1,1-Dichloroethene	60	
76-13-1	Freon TF	46	
67-64-1	Acetone	45	
75-15-0	Carbon Disulfide	53	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl-t-Butyl Ether	46	
75-34-3	1,1-Dichloroethane	54	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-Butanone	51	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	48	
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon Tetrachloride	47	
71-43-2	Benzene	47	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	47	
75-27-4	Bromodichloromethane	47	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	50	
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	43	
79-00-5	1,1,2-Trichloroethane	45	
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	45	
124-48-1	Dibromochloromethane	46	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NA091209LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50CQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	45	
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	51	
1330-20-7	Xylene (total)	170	
100-42-5	Styrene	55	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	46	
79-34-5	1,1,2,2-Tetrachloroethane	40	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-Chloropropane	45	
120-82-1	1,2,4-Trichlorobenzene	48	
87-61-6	1,2,3-Trichlorobenzene	46	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NB091109LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NB091109LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50BQ2

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	38	
74-87-3	Chloromethane	40	
75-01-4	Vinyl Chloride	40	
74-83-9	Bromomethane	42	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	53	
76-13-1	Freon TF	49	
67-64-1	Acetone	37	
75-15-0	Carbon Disulfide	48	
75-09-2	Methylene Chloride	45	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl-t-Butyl Ether	48	
75-34-3	1,1-Dichloroethane	48	
156-59-2	cis-1,2-Dichloroethene	49	
78-93-3	2-Butanone	49	
74-97-5	Bromochloromethane	47	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	47	
56-23-5	Carbon Tetrachloride	48	
71-43-2	Benzene	47	
107-06-2	1,2-Dichloroethane	47	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	47	
75-27-4	Bromodichloromethane	47	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	46	
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	48	
79-00-5	1,1,2-Trichloroethane	50	
127-18-4	Tetrachloroethene	50	
591-78-6	2-Hexanone	44	
124-48-1	Dibromochloromethane	49	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NB091109LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NB091109LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50BQ2

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	50	
108-90-7	Chlorobenzene	46	
100-41-4	Ethylbenzene	46	
1330-20-7	Xylene (total)	140	
100-42-5	Styrene	46	
75-25-2	Bromoform	49	
98-82-8	Isopropylbenzene	44	
79-34-5	1,1,2,2-Tetrachloroethane	46	
541-73-1	1,3-Dichlorobenzene	45	
106-46-7	1,4-Dichlorobenzene	46	
95-50-1	1,2-Dichlorobenzene	46	
96-12-8	1,2-Dibromo-3-Chloropropane	43	
120-82-1	1,2,4-Trichlorobenzene	46	
87-61-6	1,2,3-Trichlorobenzene	45	

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NB091109LCS	93	93	90	90	0
02	MBLK091109NB	98	92	94	96	0
03	TS10042	106	94	101	96	0
04	NA091209LCS	90	89	90	92	0
05	MBLK091209NA	101	90	97	94	0
06	TS10043	112	95	105	96	0
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NA091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		110	110	80-120
Xylene (o)	50		54	108	85-120
Dichlorodifluoromethane	50		54	108	30-180
Chloromethane	50		58	116	55-150
Vinyl Chloride	50		56	112	65-145
Bromomethane	50		59	118	65-145
Chloroethane	50		66	132	70-135
Trichlorofluoromethane	50		61	122	70-140
1,1-Dichloroethene	50		60	120	75-135
Freon TF	50		46	92	75-140
Acetone	50		45	90	50-130
Carbon Disulfide	50		53	106	80-135
Methylene Chloride	50		53	106	75-140
trans-1,2-Dichloroethen	50		51	102	80-130
Methyl-t-Butyl Ether	50		46	92	85-130
1,1-Dichloroethane	50		54	108	85-120
cis-1,2-Dichloroethene	50		50	100	80-120
2-Butanone	50		51	102	70-135
Bromochloromethane	50		54	108	75-125
Chloroform	50		48	96	85-120
1,1,1-Trichloroethane	50		46	92	80-115
Carbon Tetrachloride	50		47	94	80-115
Benzene	50		47	94	85-120
1,2-Dichloroethane	50		46	92	75-120
Trichloroethene	50		49	98	85-120
1,2-Dichloropropane	50		47	94	85-120
Bromodichloromethane	50		47	94	80-115
cis-1,3-Dichloropropene	50		51	102	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NA091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		50	100	65-135
Toluene	50		46	92	75-125
trans-1,3-Dichloroprope	50		43	86	85-120
1,1,2-Trichloroethane	50		45	90	75-125
Tetrachloroethene	50		47	94	85-120
2-Hexanone	50		45	90	70-135
Dibromochloromethane	50		46	92	80-120
1,2-Dibromoethane	50		45	90	80-120
Chlorobenzene	50		48	96	80-120
Ethylbenzene	50		51	102	80-120
Xylene (total)	150		170	113	85-120
Styrene	50		55	110	80-125
Bromoform	50		48	96	75-130
Isopropylbenzene	50		46	92	85-120
1,1,2,2-Tetrachloroetha	50		40	80	75-125
1,3-Dichlorobenzene	50		48	96	80-120
1,4-Dichlorobenzene	50		48	96	85-120
1,2-Dichlorobenzene	50		47	94	85-120
1,2-Dibromo-3-Chloropro	50		45	90	65-130
1,2,4-Trichlorobenzene	50		48	96	80-125
1,2,3-Trichlorobenzene	50		46	92	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NB091109LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		91	91	80-120
Xylene (o)	50		46	92	85-120
Dichlorodifluoromethane	50		38	76	30-180
Chloromethane	50		40	80	55-150
Vinyl Chloride	50		40	80	65-145
Bromomethane	50		42	84	65-145
Chloroethane	50		47	94	70-135
Trichlorofluoromethane	50		47	94	70-140
1,1-Dichloroethene	50		53	106	75-135
Freon TF	50		49	98	75-140
Acetone	50		37	74	50-130
Carbon Disulfide	50		48	96	80-135
Methylene Chloride	50		45	90	75-140
trans-1,2-Dichloroethen	50		52	104	80-130
Methyl-t-Butyl Ether	50		48	96	85-130
1,1-Dichloroethane	50		48	96	85-120
cis-1,2-Dichloroethene	50		49	98	80-120
2-Butanone	50		49	98	70-135
Bromochloromethane	50		47	94	75-125
Chloroform	50		49	98	85-120
1,1,1-Trichloroethane	50		47	94	80-115
Carbon Tetrachloride	50		48	96	80-115
Benzene	50		47	94	85-120
1,2-Dichloroethane	50		47	94	75-120
Trichloroethene	50		49	98	85-120
1,2-Dichloropropane	50		47	94	85-120
Bromodichloromethane	50		47	94	80-115
cis-1,3-Dichloropropene	50		50	100	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NB091109LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		46	92	65-135
Toluene	50		48	96	75-125
trans-1,3-Dichloroprope	50		48	96	85-120
1,1,2-Trichloroethane	50		50	100	75-125
Tetrachloroethene	50		50	100	85-120
2-Hexanone	50		44	88	70-135
Dibromochloromethane	50		49	98	80-120
1,2-Dibromoethane	50		50	100	80-120
Chlorobenzene	50		46	92	80-120
Ethylbenzene	50		46	92	80-120
Xylene (total)	150		140	93	85-120
Styrene	50		46	92	80-125
Bromoform	50		49	98	75-130
Isopropylbenzene	50		44	88	85-120
1,1,2,2-Tetrachloroetha	50		46	92	75-125
1,3-Dichlorobenzene	50		45	90	80-120
1,4-Dichlorobenzene	50		46	92	85-120
1,2-Dichlorobenzene	50		46	92	85-120
1,2-Dibromo-3-Chloropro	50		43	86	65-130
1,2,4-Trichlorobenzene	50		46	92	80-125
1,2,3-Trichlorobenzene	50		45	90	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJB03B Lab Sample ID: MBLK091109NB

Date Analyzed: 09/11/09 Time Analyzed: 2033

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NB091109LCS	NB091109LCS	NWJ50BQ2	1919
02	TS10042	805771	805771	0120
03				
04				
05				
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJB03C Lab Sample ID: MBLK091209NA

Date Analyzed: 09/12/09 Time Analyzed: 0956

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA091209LCS	NA091209LCS	NWJ50CQ	0855
02	TS10043	805772	805772I2	1036
03				
04				
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJ01PV BFB Injection Date: 09/10/09

Instrument ID: N BFB Injection Time: 2240

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	46.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	59.6
175	5.0 - 9.0% of mass 174	4.3 (7.2)1
176	95.0 - 101.0% of mass 174	57.6 (96.7)1
177	5.0 - 9.0% of mass 176	3.9 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NWJ005V	09/10/09	2356
02	VSTD020	VSTD020	NWJ020V	09/11/09	0027
03	VSTD050	VSTD050	NWJ050V	09/11/09	0057
04	VSTD100	VSTD100	NWJ100V	09/11/09	0128
05	VSTD200	VSTD200	NWJ200V	09/11/09	0158
06					
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJ04PV BFB Injection Date: 09/11/09

Instrument ID: N BFB Injection Time: 1735

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	46.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	57.2
175	5.0 - 9.0% of mass 174	4.8 (8.4)1
176	95.0 - 101.0% of mass 174	55.6 (97.1)1
177	5.0 - 9.0% of mass 176	2.8 (5.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	NWJ050BV	09/11/09	1747
02	NB091109LCS	NB091109LCS	NWJ50BQ2	09/11/09	1919
03	MBLK091109NB	MBLK091109NB	NWJB03B	09/11/09	2033
04	TS10042	805771	805771	09/12/09	0120
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJ05PV BFB Injection Date: 09/12/09

Instrument ID: N BFB Injection Time: 0730

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	45.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	60.6
175	5.0 - 9.0% of mass 174	4.5 (7.5)1
176	95.0 - 101.0% of mass 174	58.4 (96.4)1
177	5.0 - 9.0% of mass 176	3.9 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	NWJ50CV	09/12/09	0824
02	NA091209LCS	NA091209LCS	NWJ50CQ	09/12/09	0855
03	MBLK091209NA	MBLK091209NA	NWJB03C	09/12/09	0956
04	TS10043	805772	805772I2	09/12/09	1036
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FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Calibration Time(s): 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NWJ005V RRF20 =NWJ020V
RRF50 =NWJ050V RRF100=NWJ100V RRF200=NWJ200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	1.127	0.951	1.053	1.176	0.986	1.059	8.9*
Chloromethane *	0.625	0.497	0.543	0.608	0.523	0.559	9.9*
Vinyl Chloride *	0.580	0.492	0.556	0.624	0.536	0.558	8.8*
Bromomethane *	0.584	0.434	0.546	0.583	0.497	0.529	12.1*
Chloroethane *	0.356	0.314	0.349	0.394	0.292	0.341	11.6*
Trichlorofluoromethane *	0.815	0.839	0.839	0.979	0.961	0.887	8.7*
1,1-Dichloroethene *	0.309	0.341	0.315	0.348	0.384	0.339	8.8*
Freon TF *	0.627	0.736	0.584	0.559	0.588	0.619	11.3*
Acetone *	0.071	0.069	0.055	0.054	0.057	0.061	13.4*
Carbon Disulfide *	1.207	1.240	1.204	1.254	1.237	1.228	1.8*
Methylene Chloride *	0.438	0.432	0.432	0.462	0.454	0.444	3.1*
trans-1,2-Dichloroethene *	0.309	0.346	0.282	0.279	0.297	0.303	9.0*
Methyl-t-Butyl Ether *	0.584	0.663	0.525	0.511	0.523	0.561	11.3*
1,1-Dichloroethane *	0.601	0.666	0.548	0.540	0.647	0.600	9.5*
cis-1,2-Dichloroethene *	0.327	0.372	0.308	0.309	0.341	0.331	7.9*
2-Butanone *	0.020	0.028	0.024	0.023	0.025	0.024	13.4*
Bromochloromethane *	0.258	0.271	0.258	0.276	0.289	0.270	4.8*
Chloroform *	0.621	0.705	0.575	0.563	0.586	0.610	9.4*
1,1,1-Trichloroethane *	0.518	0.591	0.482	0.469	0.490	0.510	9.6*
Carbon Tetrachloride *	0.475	0.555	0.457	0.448	0.469	0.481	8.9*
Benzene *	0.941	1.002	0.902	0.881	0.882	0.922	5.5*
1,2-Dichloroethane *	0.305	0.342	0.285	0.275	0.279	0.297	9.3*
Trichloroethene *	0.461	0.535	0.454	0.450	0.460	0.472	7.5*
1,2-Dichloropropane *	0.442	0.490	0.430	0.423	0.436	0.444	6.0*
Bromodichloromethane *	0.745	0.831	0.706	0.707	0.734	0.745	6.9*
cis-1,3-Dichloropropene *	0.591	0.678	0.601	0.602	0.620	0.618	5.6*
4-Methyl-2-pentanone *	0.334	0.365	0.342	0.341	0.357	0.348	3.6*
Toluene *	0.702	0.822	0.725	0.690	0.720	0.732	7.2*
trans-1,3-Dichloropropene *	0.434	0.597	0.466	0.434	0.536	0.493	14.5*
1,1,2-Trichloroethane *	0.282	0.378	0.298	0.271	0.331	0.312	13.9*
Tetrachloroethene *	0.478	0.583	0.525	0.491	0.513	0.518	7.9*
2-Hexanone *	0.227	0.283	0.239	0.223	0.260	0.246	10.1*
Dibromochloromethane *	0.561	0.740	0.590	0.547	0.652	0.618	12.8*
1,2-Dibromoethane *	0.496	0.669	0.556	0.519	0.618	0.572	12.5*
Chlorobenzene *	1.029	1.132	1.029	1.006	0.997	1.039	5.2*
Ethylbenzene *	1.621	1.775	1.620	1.612	1.592	1.644	4.5*
Xylene (total) *	0.619	0.668	0.616	0.602	0.622	0.625	4.0*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Calibration Time(s): 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NWJ005V RRF20 =NWJ020V
RRF50 =NWJ050V RRF100=NWJ100V RRF200=NWJ200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene *	1.044	1.129	1.066	1.040	1.090	1.074	3.4*
Bromoform *	0.440	0.545	0.495	0.469	0.533	0.496	8.8*
Isopropylbenzene *	2.760	3.083	2.653	2.654	2.871	2.804	6.4*
1,1,2,2-Tetrachloroethane *	1.202	1.457	1.227	1.191	1.372	1.290	9.2*
1,3-Dichlorobenzene *	1.470	1.612	1.459	1.434	1.455	1.486	4.8*
1,4-Dichlorobenzene *	1.680	1.731	1.586	1.515	1.519	1.606	6.0*
1,2-Dichlorobenzene *	1.439	1.501	1.418	1.375	1.414	1.429	3.2*
1,2-Dibromo-3-Chloropropane *	0.304	0.329	0.301	0.283	0.309	0.305	5.4*
1,2,4-Trichlorobenzene *	1.153	1.127	1.102	1.049	1.016	1.089	5.2*
1,2,3-Trichlorobenzene *	1.060	1.009	0.983	0.932	0.922	0.981	5.8*
1,2-Dichloroethane-d4 *	0.270	0.285	0.231	0.225	0.232	0.249	10.8*
Toluene-d8 *	1.057	1.208	1.107	1.044	1.080	1.099	6.0*
Bromofluorobenzene *	1.423	1.550	1.345	1.339	1.471	1.426	6.2*
1,2-Dichlorobenzene-d4 *	0.950	1.009	0.919	0.905	0.921	0.941	4.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/11/09 Time: 1747

Lab File ID: NWJ050BV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	1.059	0.859		18.9	20.0	
Chloromethane	0.559	0.448	0.1	19.8	20.0	
Vinyl Chloride	0.558	0.456		18.3	20.0	
Bromomethane	0.529	0.362		31.6	20.0	<-
Chloroethane	0.341	0.284		16.7	20.0	
Trichlorofluoromethane	0.887	0.746		15.9	20.0	
1,1-Dichloroethene	0.339	0.300		11.5	20.0	
Freon TF	0.619	0.570		7.9	20.0	
Acetone	0.061	0.057		6.6	20.0	
Carbon Disulfide	1.228	1.024		16.6	20.0	
Methylene Chloride	0.444	0.374		15.8	20.0	
trans-1,2-Dichloroethene	0.303	0.281		7.3	20.0	
Methyl-t-Butyl Ether	0.561	0.526		6.2	20.0	
1,1-Dichloroethane	0.600	0.514	0.1	14.3	20.0	
cis-1,2-Dichloroethene	0.331	0.302		8.8	20.0	
2-Butanone	0.024	0.023		4.2	20.0	
Bromochloromethane	0.270	0.236		12.6	20.0	
Chloroform	0.610	0.554		9.2	20.0	
1,1,1-Trichloroethane	0.510	0.453		11.2	20.0	
Carbon Tetrachloride	0.481	0.435		9.6	20.0	
Benzene	0.922	0.840		8.9	20.0	
1,2-Dichloroethane	0.297	0.265		10.8	20.0	
Trichloroethene	0.472	0.447		5.3	20.0	
1,2-Dichloropropane	0.444	0.412		7.2	20.0	
Bromodichloromethane	0.745	0.667		10.5	20.0	
cis-1,3-Dichloropropene	0.618	0.578		6.5	20.0	
4-Methyl-2-pentanone	0.348	0.307		11.8	20.0	
Toluene	0.732	0.696		4.9	20.0	
trans-1,3-Dichloropropene	0.493	0.514		4.2	20.0	
1,1,2-Trichloroethane	0.312	0.324		3.8	20.0	
Tetrachloroethene	0.518	0.518		0.0	20.0	
2-Hexanone	0.246	0.229		6.9	20.0	
Dibromochloromethane	0.618	0.633		2.4	20.0	
1,2-Dibromoethane	0.572	0.598		4.5	20.0	
Chlorobenzene	1.039	0.968	0.3	6.8	20.0	
Ethylbenzene	1.644	1.505		8.4	20.0	
Xylene (total)	0.625	0.573		8.3	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/11/09 Time: 1747

Lab File ID: NWJ050BV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	1.074	0.990		7.8	20.0
Bromoform	0.496	0.510	0.1	2.8	20.0
Isopropylbenzene	2.804	2.507		10.6	20.0
1,1,2,2-Tetrachloroethane	1.290	1.204	0.3	6.7	20.0
1,3-Dichlorobenzene	1.486	1.378		7.3	20.0
1,4-Dichlorobenzene	1.606	1.458		9.2	20.0
1,2-Dichlorobenzene	1.429	1.291		9.6	20.0
1,2-Dibromo-3-Chloropropane	0.305	0.272		10.8	20.0
1,2,4-Trichlorobenzene	1.089	1.034		5.0	20.0
1,2,3-Trichlorobenzene	0.981	0.901		8.2	20.0
1,2-Dichloroethane-d4	0.249	0.218		12.4	20.0
Toluene-d8	1.099	1.027		6.6	20.0
Bromofluorobenzene	1.426	1.316		7.7	20.0
1,2-Dichlorobenzene-d4	0.941	0.865		8.1	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/12/09 Time: 0824

Lab File ID: NWJ50CV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	1.059	0.864		18.4	20.0	
Chloromethane	0.559	0.441	0.1	21.1	20.0	<-
Vinyl Chloride	0.558	0.451		19.2	20.0	
Bromomethane	0.529	0.442		16.4	20.0	
Chloroethane	0.341	0.294		13.8	20.0	
Trichlorofluoromethane	0.887	0.827		6.8	20.0	
1,1-Dichloroethene	0.339	0.360		6.2	20.0	
Freon TF	0.619	0.635		2.6	20.0	
Acetone	0.061	0.060		1.6	20.0	
Carbon Disulfide	1.228	1.119		8.9	20.0	
Methylene Chloride	0.444	0.405		8.8	20.0	
trans-1,2-Dichloroethene	0.303	0.321		5.9	20.0	
Methyl-t-Butyl Ether	0.561	0.564		0.5	20.0	
1,1-Dichloroethane	0.600	0.663	0.1	10.5	20.0	
cis-1,2-Dichloroethene	0.331	0.356		7.6	20.0	
2-Butanone	0.024	0.024		0.0	20.0	
Bromochloromethane	0.270	0.268		0.7	20.0	
Chloroform	0.610	0.624		2.3	20.0	
1,1,1-Trichloroethane	0.510	0.494		3.1	20.0	
Carbon Tetrachloride	0.481	0.474		1.4	20.0	
Benzene	0.922	0.876		5.0	20.0	
1,2-Dichloroethane	0.297	0.297		0.0	20.0	
Trichloroethene	0.472	0.474		0.4	20.0	
1,2-Dichloropropane	0.444	0.428		3.6	20.0	
Bromodichloromethane	0.745	0.729		2.1	20.0	
cis-1,3-Dichloropropene	0.618	0.612		1.0	20.0	
4-Methyl-2-pentanone	0.348	0.316		9.2	20.0	
Toluene	0.732	0.696		4.9	20.0	
trans-1,3-Dichloropropene	0.493	0.494		0.2	20.0	
1,1,2-Trichloroethane	0.312	0.311		0.3	20.0	
Tetrachloroethene	0.518	0.512		1.2	20.0	
2-Hexanone	0.246	0.218		11.4	20.0	
Dibromochloromethane	0.618	0.625		1.1	20.0	
1,2-Dibromoethane	0.572	0.584		2.1	20.0	
Chlorobenzene	1.039	0.961	0.3	7.5	20.0	
Ethylbenzene	1.644	1.511		8.1	20.0	
Xylene (total)	0.625	0.579		7.4	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/12/09 Time: 0824

Lab File ID: NWJ50CV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	1.074	1.010		6.0	20.0
Bromoform	0.496	0.497	0.1	0.2	20.0
Isopropylbenzene	2.804	2.438		13.0	20.0
1,1,2,2-Tetrachloroethane	1.290	1.158	0.3	10.2	20.0
1,3-Dichlorobenzene	1.486	1.399		5.8	20.0
1,4-Dichlorobenzene	1.606	1.503		6.4	20.0
1,2-Dichlorobenzene	1.429	1.322		7.5	20.0
1,2-Dibromo-3-Chloropropane	0.305	0.269		11.8	20.0
1,2,4-Trichlorobenzene	1.089	1.096		0.6	20.0
1,2,3-Trichlorobenzene	0.981	0.966		1.5	20.0
1,2-Dichloroethane-d4	0.249	0.244		2.0	20.0
Toluene-d8	1.099	1.041		5.3	20.0
Bromofluorobenzene	1.426	1.284		10.0	20.0
1,2-Dichlorobenzene-d4	0.941	0.860		8.6	20.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): NWJ050BV Date Analyzed: 09/11/09

Instrument ID: N Time Analyzed: 1747

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1217500	9.93	1231465	15.85	776566	20.13
	UPPER LIMIT	2435000	10.43	2462930	16.35	1553132	20.63
	LOWER LIMIT	608750	9.43	615732	15.35	388283	19.63
	CLIENT SAMPLE NO.						
01	NB091109LCS	1140486	9.91	1239123	15.84	784297	20.13
02	MBLK091109NB	1040963	9.91	1126872	15.85	715054	20.12
03	TS10042	996678	9.91	1216001	15.85	682104	20.13
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): NWJ50CV Date Analyzed: 09/12/09

Instrument ID: N Time Analyzed: 0824

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1148074	9.90	1262477	15.85	831379	20.12
	UPPER LIMIT	2296148	10.40	2524954	16.35	1662758	20.62
	LOWER LIMIT	574037	9.40	631238	15.35	415690	19.62
	CLIENT SAMPLE NO.						
01	NA091209LCS	885914	9.89	1107424	15.84	801382	20.11
02	MBLK091209NA	917038	9.91	1257427	15.84	776575	20.11
03	TS10043	1213731	9.91	1271764	15.85	688658	20.12
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22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 4 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	350	U
62-75-9	N-Nitrosodimethylamine	350	U
62-53-3	Aniline	890	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
65-85-0	Benzoic Acid	17	JB
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	890	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 4 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	890	U
132-64-9	Dibenzofuran	350	U
100-02-7	4-Nitrophenol	890	U
121-14-2	2,4-Dinitrotoluene	350	U
86-73-7	Fluorene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	N-nitrosodiphenylamine (1)	350	U
103-33-3	Azobenzene	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
92-87-5	Benzidine	890	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
56-55-3	Benzo(a)anthracene	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 4 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 805772

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 6 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-Nitrosodimethylamine	1200	U
62-53-3	Aniline	2900	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl Alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
65-85-0	Benzoic Acid	2900	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	2900	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	2900	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 805772

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 6 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	2900	U
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	2900	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	2900	U
121-14-2	2,4-Dinitrotoluene	1200	U
86-73-7	Fluorene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	2900	U
534-52-1	4,6-Dinitro-2-methylphenol	2900	U
86-30-6	N-nitrosodiphenylamine (1)	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	2900	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
86-74-8	Carbazole	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	2900	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo(a)anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo(b)fluoranthene	1200	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 805772

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 6 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1200	U
50-32-8	Benzo(a)pyrene	1200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1200	U
53-70-3	Dibenz(a,h)anthracene	1200	U
191-24-2	Benzo(g,h,i)perylene	1200	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	330	U
62-75-9	N-Nitrosodimethylamine	330	U
62-53-3	Aniline	820	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
65-85-0	Benzoic Acid	27	J
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	820	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	820	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	820	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	820	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	820	U
534-52-1	4,6-Dinitro-2-methylphenol	820	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
103-33-3	Azobenzene	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
92-87-5	Benzidine	820	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

A091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: A091209LCS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: Q0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	870	
62-75-9	N-Nitrosodimethylamine	1300	
62-53-3	Aniline	950	
108-95-2	Phenol	1300	
111-44-4	bis(2-Chloroethyl)Ether	1300	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1300	
100-51-6	Benzyl Alcohol	1400	
95-50-1	1,2-Dichlorobenzene	1300	
95-48-7	2-Methylphenol	1300	
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	
106-44-5	4-Methylphenol	1300	
621-64-7	N-Nitroso-di-n-propylamine	1400	
67-72-1	Hexachloroethane	1200	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	1400	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1300	
111-91-1	bis(2-Chloroethoxy)methane	1300	
65-85-0	Benzoic Acid	1100	B
120-83-2	2,4-Dichlorophenol	1300	
120-82-1	1,2,4-Trichlorobenzene	1300	
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	720	
87-68-3	Hexachlorobutadiene	1300	
59-50-7	4-Chloro-3-methylphenol	1400	
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	1200	
88-06-2	2,4,6-Trichlorophenol	1400	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1200	
88-74-4	2-Nitroaniline	1200	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

A091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: A091209LCS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: Q0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1400	
208-96-8	Acenaphthylene	1400	
606-20-2	2,6-Dinitrotoluene	1300	
99-09-2	3-Nitroaniline	760	J
83-32-9	Acenaphthene	1400	
51-28-5	2,4-Dinitrophenol	1000	
132-64-9	Dibenzofuran	1400	
100-02-7	4-Nitrophenol	1100	
121-14-2	2,4-Dinitrotoluene	1400	
86-73-7	Fluorene	1300	
84-66-2	Diethylphthalate	1300	
7005-72-3	4-Chlorophenyl-phenylether	1300	
100-01-6	4-Nitroaniline	1200	
534-52-1	4,6-Dinitro-2-methylphenol	1300	
86-30-6	N-nitrosodiphenylamine (1)	1400	
103-33-3	Azobenzene	1300	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1400	
87-86-5	Pentachlorophenol	1100	
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1400	
84-74-2	Di-n-butylphthalate	1400	
206-44-0	Fluoranthene	1300	
92-87-5	Benzidine	290	J
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	1400	
56-55-3	Benzo(a)anthracene	1400	
91-94-1	3,3'-Dichlorobenzidine	840	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	1400	
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1500	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

A091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: A091209LCS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: Q0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenz(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	1700	

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	A091209LCS	70	71	73	67	74	79	73	77	0
02	MBLK091209A	69	72	72	60	68	76	65	81	0
03	TS10043	12D	48D	13D	53	62	70	8D	68	0
04	TS10042	61	68	65	51	66	72	77	72	0
05										
06										
07										
08										
09										
10										
11										
12										
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26										
27										
28										
29										
30										

		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - STLVT Sample No.: A091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Pyridine	1700		870	51	15-105
N-Nitrosodimethylamine	1700		1300	76	55-125
Aniline	1700		950	56	10-105
Phenol	1700		1300	76	60-140
bis(2-Chloroethyl)Ether	1700		1300	76	60-125
2-Chlorophenol	1700		1300	76	60-125
1,3-Dichlorobenzene	1700		1300	76	50-115
1,4-Dichlorobenzene	1700		1300	76	55-120
Benzyl Alcohol	1700		1400	82	50-155
1,2-Dichlorobenzene	1700		1300	76	55-120
2-Methylphenol	1700		1300	76	50-135
2,2'-oxybis(1-Chloropro	1700		1300	76	60-130
4-Methylphenol	1700		1300	76	35-140
N-Nitroso-di-n-prop.(1)	1700		1400	82	45-125
Hexachloroethane	1700		1200	70	55-120
Nitrobenzene	1700		1300	76	55-120
Isophorone	1700		1400	82	50-115
2-Nitrophenol	1700		1400	82	55-135
2,4-Dimethylphenol	1700		1300	76	25-150
bis(2-Chloroethoxy)meth	1700		1300	76	55-125
Benzoic Acid	1700		1100	65	25-145
2,4-Dichlorophenol	1700		1300	76	55-130
1,2,4-Trichlorobenzene	1700		1300	76	55-120
Naphthalene	1700		1300	76	55-120
4-Chloroaniline	1700		720	42	10- 90
Hexachlorobutadiene	1700		1300	76	50-130
4-Chloro-3-methylphenol	1700		1400	82	60-140
2-Methylnaphthalene	1700		1300	76	45-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - STLVT Sample No.: A091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Hexachlorocyclopentadie	1700		1200	70	30-105
2,4,6-Trichlorophenol	1700		1400	82	60-135
2,4,5-Trichlorophenol	1700		1500	88	60-130
2-Chloronaphthalene	1700		1200	70	45-120
2-Nitroaniline	1700		1200	70	50-125
Dimethylphthalate	1700		1400	82	55-120
Acenaphthylene	1700		1400	82	50-115
2,6-Dinitrotoluene	1700		1300	76	55-130
3-Nitroaniline	1700		760	45	20- 85
Acenaphthene	1700		1400	82	55-120
2,4-Dinitrophenol	1700		1000	59	25-160
Dibenzofuran	1700		1400	82	55-120
4-Nitrophenol	1700		1100	65	30-155
2,4-Dinitrotoluene	1700		1400	82	50-120
Fluorene	1700		1300	76	50-125
Diethylphthalate	1700		1300	76	50-125
4-Chlorophenyl-phenylet	1700		1300	76	50-120
4-Nitroaniline	1700		1200	70	25-115
4,6-Dinitro-2-methylphe	1700		1300	76	55-160
N-nitrosodiphenylamine	1700		1400	82	45-130
Azobenzene	1700		1300	76	60-140
4-Bromophenyl-phenyleth	1700		1500	88	55-130
Hexachlorobenzene	1700		1400	82	55-125
Pentachlorophenol	1700		1100	65	50-140
Phenanthrene	1700		1400	82	60-125
Anthracene	1700		1400	82	60-125
Carbazole	1700		1400	82	55-125
Di-n-butylphthalate	1700		1400	82	50-120

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - STLVT Sample No.: A091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Fluoranthene	1700		1300	76	50-120
Benzidine	1700		290	17	10-120
Pyrene	1700		1400	82	35-175
Butylbenzylphthalate	1700		1400	82	65-145
Benzo(a)anthracene	1700		1400	82	55-130
3,3'-Dichlorobenzidine	1700		840	49	10-120
Chrysene	1700		1400	82	60-125
bis(2-Ethylhexyl)phthal	1700		1400	82	55-140
Di-n-octylphthalate	1700		1500	88	60-135
Benzo(b)fluoranthene	1700		1500	88	45-130
Benzo(k)fluoranthene	1700		1500	88	60-125
Benzo(a)pyrene	1700		1400	82	55-120
Indeno(1,2,3-cd)pyrene	1700		1600	94	55-135
Dibenz(a,h)anthracene	1700		1500	88	35-145
Benzo(g,h,i)perylene	1700		1700	100	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 71 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: B0912A Lab Sample ID: MBLK091209A

Instrument ID: U Date Extracted: 09/12/09

Matrix: (soil/water) SOIL Date Analyzed: 09/16/09

Level:(low/med) LOW Time Analyzed: 1320

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A091209LCS	A091209LCS	Q0912A	09/16/09
02	TS10043	805772	805772	09/21/09
03	TS10042	805771	805771	09/21/09
04				
05				
06				
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COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: UGN05PS DFTPP Injection Date: 09/15/09

Instrument ID: U DFTPP Injection Time: 0826

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	72.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	58.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	16.7
365	Greater than 1.0% of mass 198	1.75
441	Present, but less than mass 443	8.7
442	Greater than 40.0% of mass 198	56.8
443	17.0 - 23.0% of mass 442	11.1 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	UGN160	09/15/09	0849
02	SSTD140	SSTD140	UGN140	09/15/09	0926
03	SSTD120	SSTD120	UGN120	09/15/09	0959
04	SSTD100	SSTD100	UGN100	09/15/09	1033
05	SSTD080	SSTD080	UGN080	09/15/09	1106
06	SSTD050	SSTD050	UGN050	09/15/09	1140
07	SSTD020	SSTD020	UGN020	09/15/09	1213
08	SSTD320	SSTD320	UGN320	09/15/09	1247
09	SSTD100-ICV	SSTD100-ICV	UGN100IC	09/15/09	1718
10					
11					
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: UGN06PS DFTPP Injection Date: 09/16/09

Instrument ID: U DFTPP Injection Time: 0633

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	74.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	59.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	17.1
365	Greater than 1.0% of mass 198	1.81
441	Present, but less than mass 443	7.7
442	Greater than 40.0% of mass 198	51.0
443	17.0 - 23.0% of mass 442	9.9 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGN080A	09/16/09	1205
02	A091209LCS	A091209LCS	Q0912A	09/16/09	1247
03	MBLK091209A	MBLK091209A	B0912A	09/16/09	1320
04					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: UGN18PS DFTPP Injection Date: 09/21/09

Instrument ID: U DFTPP Injection Time: 1021

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	80.4
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	59.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	18.0
365	Greater than 1.0% of mass 198	2.15
441	Present, but less than mass 443	10.0
442	Greater than 40.0% of mass 198	66.2
443	17.0 - 23.0% of mass 442	13.0 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGN080E2	09/21/09	1040
02	TS10043	805772	805772	09/21/09	1408
03	TS10042	805771	805771	09/21/09	1441
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6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugn020.d RRF50 =ugn050.d
RRF80 =ugn080.d RRF100=ugn100.d RRF120=ugn120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Pyridine	1.501	1.598	1.656	1.678	1.599		
N-Nitrosodimethylamine	0.896	0.921	0.917	0.931	0.906		
Aniline		2.010	2.000	2.077	2.000		
Phenol *	1.632	1.764	1.732	1.813	1.751		*
bis(2-Chloroethyl)Ether	1.275	1.343	1.315	1.412	1.313		
2-Chlorophenol	1.380	1.448	1.459	1.504	1.441		
1,3-Dichlorobenzene	1.406	1.562	1.472	1.536	1.451		
1,4-Dichlorobenzene *	1.458	1.544	1.530	1.580	1.497		*
Benzyl Alcohol	0.628	0.712	0.752	0.817	0.801		
1,2-Dichlorobenzene	1.351	1.421	1.408	1.467	1.393		
2-Methylphenol	0.941	1.009	1.004	1.033	0.989		
2,2'-oxybis(1-Chloropropane	2.123	2.178	2.136	2.216	2.098		
4-Methylphenol	1.224	1.299	1.315	1.361	1.293		
N-Nitroso-di-n-propylamine #	0.954	1.001	1.008	1.039	0.992		#
Hexachloroethane	0.655	0.706	0.700	0.721	0.692		
Nitrobenzene	0.364	0.385	0.388	0.396	0.388		
Isophorone	0.646	0.680	0.691	0.703	0.678		
2-Nitrophenol *	0.182	0.199	0.200	0.205	0.196		*
2,4-Dimethylphenol	0.284	0.314	0.323	0.332	0.322		
bis(2-Chloroethoxy)methane	0.386	0.408	0.415	0.430	0.405		
Benzoic Acid		0.198	0.217	0.231	0.223		
2,4-Dichlorophenol *	0.218	0.241	0.242	0.246	0.238		*
1,2,4-Trichlorobenzene	0.259	0.275	0.273	0.276	0.264		
Naphthalene	0.973	1.035	1.023	1.048	1.012		
4-Chloroaniline	0.396	0.418	0.428	0.427	0.425		
Hexachlorobutadiene *	0.142	0.155	0.154	0.157	0.147		*
4-Chloro-3-methylphenol *	0.203	0.225	0.236	0.244	0.243		*
2-Methylnaphthalene	0.180	0.195	0.190	0.197	0.187		
Hexachlorocyclopentadiene #	0.323	0.370	0.382	0.398	0.386		#
2,4,6-Trichlorophenol *	0.361	0.394	0.398	0.402	0.395		*
2,4,5-Trichlorophenol		0.378	0.393	0.394	0.389		
2-Chloronaphthalene	0.553	0.585	0.596	0.602	0.597		
2-Nitroaniline		0.480	0.483	0.484	0.469		
Dimethylphthalate	1.187	1.300	1.333	1.336	1.292		
Acenaphthylene	1.882	2.020	2.036	2.029	1.981		
2,6-Dinitrotoluene	0.300	0.330	0.345	0.342	0.339		
3-Nitroaniline		0.397	0.408	0.412	0.414		

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugn020.d RRF50 =ugn050.d
RRF80 =ugn080.d RRF100=ugn100.d RRF120=ugn120.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD	
Acenaphthene	*	1.076	1.146	1.135	1.142	1.119			*
2,4-Dinitrophenol	#		0.187	0.202	0.213	0.213			#
Dibenzofuran		1.496	1.575	1.594	1.570	1.534			
4-Nitrophenol	#		0.285	0.306	0.314	0.320			#
2,4-Dinitrotoluene		0.362	0.400	0.412	0.404	0.408			
Fluorene		1.159	1.253	1.269	1.365	1.267			
Diethylphthalate		1.257	1.417	1.434	1.567	1.478			
4-Chlorophenyl-phenylether		0.554	0.611	0.634	0.686	0.626			
4-Nitroaniline			0.385	0.387	0.402	0.391			
4,6-Dinitro-2-methylphenol			0.158	0.160	0.168	0.160			
N-nitrosodiphenylamine (1)	*	0.625	0.651	0.652	0.669	0.633			*
Azobenzene		0.313	0.330	0.350	0.374	0.350			
4-Bromophenyl-phenylether		0.196	0.207	0.208	0.220	0.206			
Hexachlorobenzene		0.206	0.218	0.220	0.230	0.211			
Pentachlorophenol	*		0.136	0.141	0.147	0.143			*
Phenanthrene		1.005	1.063	1.064	1.083	1.033			
Anthracene		0.981	1.062	1.054	1.071	1.028			
Carbazole		0.928	1.015	1.012	1.012	0.995			
Di-n-butylphthalate		1.340	1.516	1.507	1.554	1.542			
Fluoranthene	*	0.990	1.104	1.076	1.108	1.073			*
Benzidine			0.716	0.657	0.683	0.665			
Pyrene		1.289	1.297	1.274	1.293	1.228			
Butylbenzylphthalate		0.655	0.720	0.718	0.755	0.722			
Benzo(a)anthracene		1.035	1.140	1.171	1.205	1.168			
3,3'-Dichlorobenzidine		0.410	0.432	0.426	0.424	0.421			
Chrysene		0.983	1.011	1.000	1.035	0.983			
bis(2-Ethylhexyl)phthalate		0.916	1.018	1.040	1.070	1.032			
Di-n-octylphthalate	*	1.452	1.705	1.727	1.750	1.696			*
Benzo(b)fluoranthene		0.910	1.021	0.984	1.209	0.950			
Benzo(k)fluoranthene		1.287	1.411	1.302	1.016	1.108			
Benzo(a)pyrene	*	0.976	1.102	1.080	1.022	0.987			*
Indeno(1,2,3-cd)pyrene		1.023	1.219	1.292	1.354	1.281			
Dibenz(a,h)anthracene		0.841	1.008	1.092	1.152	1.100			
Benzo(g,h,i)perylene		0.889	0.973	1.070	1.063	0.950			
2-Fluorophenol		1.518	1.540	1.484	1.518	1.502			

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugn020.d RRF50 =ugn050.d
RRF80 =ugn080.d RRF100=ugn100.d RRF120=ugn120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Phenol-d5	1.729	1.755	1.721	1.749	1.747		
2-Chlorophenol-d4	1.468	1.507	1.456	1.478	1.453		
1,2-Dichlorobenzene-d4	0.948	0.964	0.940	0.952	0.935		
Nitrobenzene-d5	0.408	0.417	0.408	0.411	0.414		
2-Fluorobiphenyl	1.436	1.416	1.406	1.392	1.410		
2,4,6-Tribromophenol	0.179	0.189	0.201	0.210	0.206		
Terphenyl-d14	0.888	0.867	0.859	0.885	0.849		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugn140.d RRF160=ugn160.d
RRF320=ugn320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Pyridine	1.618	1.640				1.613	3.6
N-Nitrosodimethylamine	0.945	0.923				0.920	1.7
Aniline	2.109	2.146				2.057	3.1
Phenol *	1.878	1.870				1.777	4.8*
bis(2-Chloroethyl)Ether	1.424	1.421				1.358	4.5
2-Chlorophenol	1.546	1.557				1.476	4.3
1,3-Dichlorobenzene	1.558	1.578				1.509	4.4
1,4-Dichlorobenzene *	1.618	1.586				1.545	3.6*
Benzyl Alcohol	0.886	0.883				0.783	11.9
1,2-Dichlorobenzene	1.491	1.494				1.432	3.8
2-Methylphenol	1.061	1.084				1.017	4.7
2,2'-oxybis(1-Chloropropane	2.240	2.223				2.173	2.5
4-Methylphenol	1.370	1.422				1.326	4.8
N-Nitroso-di-n-propylamine #	1.050	1.071				1.016	3.9#
Hexachloroethane	0.741	0.766				0.712	5.0
Nitrobenzene	0.406	0.397				0.389	3.4
Isophorone	0.709	0.706				0.688	3.2
2-Nitrophenol *	0.204	0.202				0.198	3.9*
2,4-Dimethylphenol	0.340	0.339				0.322	5.9
bis(2-Chloroethoxy)methane	0.431	0.426				0.414	3.9
Benzoic Acid	0.235	0.232	0.219			0.222	5.6
2,4-Dichlorophenol *	0.244	0.244				0.239	4.0*
1,2,4-Trichlorobenzene	0.276	0.276				0.271	2.5
Naphthalene	1.056	1.045				1.027	2.8
4-Chloroaniline	0.446	0.438				0.425	3.7
Hexachlorobutadiene *	0.153	0.155				0.152	3.5*
4-Chloro-3-methylphenol *	0.263	0.261				0.239	8.7*
2-Methylnaphthalene	0.200	0.202				0.193	4.0
Hexachlorocyclopentadiene #	0.402	0.406				0.381	7.4#
2,4,6-Trichlorophenol *	0.398	0.401				0.393	3.6*
2,4,5-Trichlorophenol	0.415	0.397				0.394	3.0
2-Chloronaphthalene	0.615	0.600				0.592	3.3
2-Nitroaniline	0.489	0.475				0.480	1.5
Dimethylphthalate	1.370	1.339				1.308	4.5
Acenaphthylene	2.059	2.017				2.003	2.9
2,6-Dinitrotoluene	0.352	0.350				0.337	5.3
3-Nitroaniline	0.433	0.424				0.415	3.0

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugn140.d RRF160=ugn160.d
RRF320=ugn320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Acenaphthene *	1.177	1.140				1.134	2.7*
2,4-Dinitrophenol #	0.229	0.223				0.211	7.1#
Dibenzofuran	1.587	1.573				1.561	2.2
4-Nitrophenol #	0.336	0.332				0.316	5.9#
2,4-Dinitrotoluene	0.430	0.416				0.404	5.2
Fluorene	1.326	1.309				1.278	5.1
Diethylphthalate	1.551	1.514				1.460	7.2
4-Chlorophenyl-phenylether	0.671	0.656				0.634	6.9
4-Nitroaniline	0.413	0.405				0.397	2.8
4,6-Dinitro-2-methylphenol	0.174	0.173				0.166	4.3
N-nitrosodiphenylamine (1) *	0.682	0.677				0.656	3.3*
Azobenzene	0.363	0.359				0.348	5.9
4-Bromophenyl-phenylether	0.215	0.213				0.209	3.6
Hexachlorobenzene	0.226	0.226				0.220	4.0
Pentachlorophenol *	0.155	0.156				0.146	5.4*
Phenanthrene	1.097	1.082				1.061	3.0
Anthracene	1.092	1.102				1.056	3.9
Carbazole	1.072	1.053				1.012	4.5
Di-n-butylphthalate	1.649	1.673				1.540	7.1
Fluoranthene *	1.173	1.181				1.101	5.9*
Benzidine	0.670	0.644				0.672	3.7
Pyrene	1.294	1.236				1.273	2.3
Butylbenzylphthalate	0.779	0.750				0.728	5.4
Benzo(a)anthracene	1.237	1.218				1.168	5.8
3,3'-Dichlorobenzidine	0.422	0.422				0.422	1.6
Chrysene	1.040	1.031				1.012	2.4
bis(2-Ethylhexyl)phthalate	1.116	1.090				1.040	6.2
Di-n-octylphthalate *	1.820	1.807				1.708	7.2*
Benzo(b)fluoranthene	1.038	1.141				1.036	10.2
Benzo(k)fluoranthene	1.135	1.022				1.183	12.8
Benzo(a)pyrene *	1.086	1.044				1.042	4.8*
Indeno(1,2,3-cd)pyrene	1.264	1.124				1.222	9.3
Dibenz(a,h)anthracene	1.092	0.988				1.039	10.0
Benzo(g,h,i)perylene	0.914	0.762				0.946	11.2
2-Fluorophenol	1.529	1.560				1.522	1.6

(1) Cannot be separated from Diphenylamine

FORM VI SV-2 1/87 Rev.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugn140.d RRF160=ugn160.d
RRF320=ugn320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Phenol-d5	1.790	1.829				1.760	2.1
2-Chlorophenol-d4	1.511	1.523				1.485	1.9
1,2-Dichlorobenzene-d4	0.962	0.969				0.953	1.3
Nitrobenzene-d5	0.419	0.414				0.413	1.0
2-Fluorobiphenyl	1.389	1.380				1.404	1.4
2,4,6-Tribromophenol	0.208	0.203				0.199	5.6
Terphenyl-d14	0.842	0.837				0.861	2.3

FORM VI SV-3 1/87 Rev.

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/16/09 Time: 1205

Lab File ID: UGN080A Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Pyridine	1.613	1.627		0.9	
N-Nitrosodimethylamine	0.920	0.925		0.5	
Aniline	2.057	1.970		4.2	
Phenol	1.777	1.730		2.6	20.0
bis(2-Chloroethyl)Ether	1.358	1.336		1.6	
2-Chlorophenol	1.476	1.416		4.1	
1,3-Dichlorobenzene	1.509	1.482		1.8	
1,4-Dichlorobenzene	1.545	1.528		1.1	20.0
Benzyl Alcohol	0.783	0.682		12.9	
1,2-Dichlorobenzene	1.432	1.390		2.9	
2-Methylphenol	1.017	0.963		5.3	
2,2'-oxybis(1-Chloropropane)	2.173	2.109		2.9	
4-Methylphenol	1.326	1.231		7.2	
N-Nitroso-di-n-propylamine	1.016	0.991	0.05	2.5	
Hexachloroethane	0.712	0.682		4.2	
Nitrobenzene	0.389	0.374		3.8	
Isophorone	0.688	0.675		1.9	
2-Nitrophenol	0.198	0.192		3.0	20.0
2,4-Dimethylphenol	0.322	0.300		6.8	
bis(2-Chloroethoxy)methane	0.414	0.408		1.4	
Benzoic Acid	0.222	0.193		13.1	
2,4-Dichlorophenol	0.239	0.234		2.1	20.0
1,2,4-Trichlorobenzene	0.271	0.264		2.6	
Naphthalene	1.027	0.994		3.2	
4-Chloroaniline	0.425	0.423		0.5	
Hexachlorobutadiene	0.152	0.146		3.9	20.0
4-Chloro-3-methylphenol	0.239	0.247		3.3	20.0
2-Methylnaphthalene	0.193	0.185		4.1	
Hexachlorocyclopentadiene	0.381	0.361	0.05	5.2	
2,4,6-Trichlorophenol	0.393	0.372		5.3	20.0
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2-Chloronaphthalene	0.592	0.574		3.0	
2-Nitroaniline	0.480	0.460		4.2	
Dimethylphthalate	1.308	1.313		0.4	
Acenaphthylene	2.003	1.983		1.0	
2,6-Dinitrotoluene	0.337	0.328		2.7	
3-Nitroaniline	0.415	0.412		0.7	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/16/09 Time: 1205

Lab File ID: UGN080A Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Acenaphthene	1.134	1.131		0.3	20.0
2,4-Dinitrophenol	0.211	0.183	0.05	13.3	
Dibenzofuran	1.561	1.563		0.1	
4-Nitrophenol	0.316	0.291	0.05	7.9	
2,4-Dinitrotoluene	0.404	0.412		2.0	
Fluorene	1.278	1.226		4.1	
Diethylphthalate	1.460	1.421		2.7	
4-Chlorophenyl-phenylether	0.634	0.601		5.2	
4-Nitroaniline	0.397	0.417		5.0	
4,6-Dinitro-2-methylphenol	0.166	0.149		10.2	
N-nitrosodiphenylamine	0.656	0.622		5.2	20.0
Azobenzene	0.348	0.341		2.0	
4-Bromophenyl-phenylether	0.209	0.203		2.9	
Hexachlorobenzene	0.220	0.212		3.6	
Pentachlorophenol	0.146	0.125		14.4	20.0
Phenanthrene	1.061	1.039		2.1	
Anthracene	1.056	1.015		3.9	
Carbazole	1.012	0.992		2.0	
Di-n-butylphthalate	1.540	1.508		2.1	
Fluoranthene	1.101	1.081		1.8	20.0
Benzidine	0.672	0.612		8.9	
Pyrene	1.273	1.133		11.0	
Butylbenzylphthalate	0.728	0.661		9.2	
Benzo(a)anthracene	1.168	1.096		6.2	
3,3'-Dichlorobenzidine	0.422	0.373		11.6	
Chrysene	1.012	0.974		3.8	
bis(2-Ethylhexyl)phthalate	1.040	0.962		7.5	
Di-n-octylphthalate	1.708	1.623		5.0	20.0
Benzo(b)fluoranthene	1.036	1.015		2.0	
Benzo(k)fluoranthene	1.183	1.145		3.2	
Benzo(a)pyrene	1.042	1.029		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.222	1.239		1.4	
Dibenz(a,h)anthracene	1.039	1.002		3.6	
Benzo(g,h,i)perylene	0.946	1.046		10.6	
2-Fluorophenol	1.522	1.466		3.7	
Phenol-d5	1.760	1.702		3.3	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/16/09 Time: 1205

Lab File ID: UGN080A Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.485	1.449		2.4	
1,2-Dichlorobenzene-d4	0.953	0.904		5.1	
Nitrobenzene-d5	0.413	0.394		4.6	
2-Fluorobiphenyl	1.404	1.390		1.0	
2,4,6-Tribromophenol	0.199	0.182		8.5	
Terphenyl-d14	0.861	0.774		10.1	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/21/09 Time: 1040

Lab File ID: UGN080E2 Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Pyridine	1.613	1.468		9.0	
N-Nitrosodimethylamine	0.920	0.933		1.4	
Aniline	2.057	1.899		7.7	
Phenol	1.777	1.700		4.3	20.0
bis(2-Chloroethyl)Ether	1.358	1.304		4.0	
2-Chlorophenol	1.476	1.375		6.8	
1,3-Dichlorobenzene	1.509	1.413		6.4	
1,4-Dichlorobenzene	1.545	1.425		7.8	20.0
Benzyl Alcohol	0.783	0.785		0.2	
1,2-Dichlorobenzene	1.432	1.342		6.3	
2-Methylphenol	1.017	0.960		5.6	
2,2'-oxybis(1-Chloropropane)	2.173	2.218		2.1	
4-Methylphenol	1.326	1.260		5.0	
N-Nitroso-di-n-propylamine	1.016	1.031	0.05	1.5	
Hexachloroethane	0.712	0.648		9.0	
Nitrobenzene	0.389	0.372		4.4	
Isophorone	0.688	0.674		2.0	
2-Nitrophenol	0.198	0.189		4.5	20.0
2,4-Dimethylphenol	0.322	0.297		7.8	
bis(2-Chloroethoxy)methane	0.414	0.384		7.2	
Benzoic Acid	0.222	0.148		33.3	
2,4-Dichlorophenol	0.239	0.220		7.9	20.0
1,2,4-Trichlorobenzene	0.271	0.242		10.7	
Naphthalene	1.027	0.906		11.8	
4-Chloroaniline	0.425	0.371		12.7	
Hexachlorobutadiene	0.152	0.138		9.2	20.0
4-Chloro-3-methylphenol	0.239	0.232		2.9	20.0
2-Methylnaphthalene	0.193	0.170		11.9	
Hexachlorocyclopentadiene	0.381	0.339	0.05	11.0	
2,4,6-Trichlorophenol	0.393	0.373		5.1	20.0
2,4,5-Trichlorophenol	0.394	0.378		4.1	
2-Chloronaphthalene	0.592	0.531		10.3	
2-Nitroaniline	0.480	0.442		7.9	
Dimethylphthalate	1.308	1.136		13.1	
Acenaphthylene	2.003	1.834		8.4	
2,6-Dinitrotoluene	0.337	0.290		13.9	
3-Nitroaniline	0.415	0.375		9.6	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/21/09 Time: 1040

Lab File ID: UGN080E2 Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Acenaphthene	1.134	1.059		6.6	20.0
2,4-Dinitrophenol	0.211	0.157	0.05	25.6	
Dibenzofuran	1.561	1.434		8.1	
4-Nitrophenol	0.316	0.296	0.05	6.3	
2,4-Dinitrotoluene	0.404	0.361		10.6	
Fluorene	1.278	1.095		14.3	
Diethylphthalate	1.460	1.224		16.2	
4-Chlorophenyl-phenylether	0.634	0.532		16.1	
4-Nitroaniline	0.397	0.316		20.4	
4,6-Dinitro-2-methylphenol	0.166	0.138		16.9	
N-nitrosodiphenylamine	0.656	0.657		0.2	20.0
Azobenzene	0.348	0.302		13.2	
4-Bromophenyl-phenylether	0.209	0.217		3.8	
Hexachlorobenzene	0.220	0.220		0.0	
Pentachlorophenol	0.146	0.142		2.7	20.0
Phenanthrene	1.061	1.009		4.9	
Anthracene	1.056	0.997		5.6	
Carbazole	1.012	0.951		6.0	
Di-n-butylphthalate	1.540	1.372		10.9	
Fluoranthene	1.101	0.960		12.8	20.0
Benzidine	0.672	0.344		48.8	
Pyrene	1.273	1.171		8.0	
Butylbenzylphthalate	0.728	0.668		8.2	
Benzo(a)anthracene	1.168	1.047		10.4	
3,3'-Dichlorobenzidine	0.422	0.416		1.4	
Chrysene	1.012	0.946		6.5	
bis(2-Ethylhexyl)phthalate	1.040	0.986		5.2	
Di-n-octylphthalate	1.708	1.682		1.5	20.0
Benzo(b)fluoranthene	1.036	1.026		1.0	
Benzo(k)fluoranthene	1.183	1.099		7.1	
Benzo(a)pyrene	1.042	0.988		5.2	20.0
Indeno(1,2,3-cd)pyrene	1.222	1.195		2.2	
Dibenz(a,h)anthracene	1.039	0.994		4.3	
Benzo(g,h,i)perylene	0.946	0.985		4.1	
2-Fluorophenol	1.522	1.521		0.1	
Phenol-d5	1.760	1.837		4.4	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/21/09 Time: 1040

Lab File ID: UGN080E2 Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.485	1.488		0.2	
1,2-Dichlorobenzene-d4	0.953	0.948		0.5	
Nitrobenzene-d5	0.413	0.427		3.4	
2-Fluorobiphenyl	1.404	1.398		0.4	
2,4,6-Tribromophenol	0.199	0.200		0.5	
Terphenyl-d14	0.861	0.846		1.7	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN050 Date Analyzed: 09/15/09

Instrument ID: U Time Analyzed: 1140

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	337170	6.93	1202938	8.90	456608	11.72
	UPPER LIMIT	674340	7.43	2405876	9.40	913216	12.22
	LOWER LIMIT	168585	6.43	601469	8.40	228304	11.22
	STLVT SAMPLE NO.						
01	SSTD100-ICV	288092	6.93	1055752	8.90	411282	11.72
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN050 Date Analyzed: 09/15/09

Instrument ID: U Time Analyzed: 1140

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	693580	14.09	627558	18.24	576396	20.18
	UPPER LIMIT	1387160	14.59	1255116	18.74	1152792	20.68
	LOWER LIMIT	346790	13.59	313779	17.74	288198	19.68
	STLVT SAMPLE NO.						
01	SSTD100-ICV	632871	14.09	615422	18.24	566685	20.18
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080A Date Analyzed: 09/16/09

Instrument ID: U Time Analyzed: 1205

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	265469	6.91	946739	8.87	362382	11.71
	UPPER LIMIT	530938	7.41	1893478	9.37	724764	12.21
	LOWER LIMIT	132734	6.41	473370	8.37	181191	11.21
	STLVT SAMPLE NO.						
01	A091209LCS	357971	6.92	1255606	8.87	460522	11.71
02	MBLK091209A	421363	6.91	1557263	8.87	591197	11.70
03							
04							
05							
06							
07							
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19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080A Date Analyzed: 09/16/09

Instrument ID: U Time Analyzed: 1205

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	584464	14.07	589837	18.22	574630	20.18
	UPPER LIMIT	1168928	14.57	1179674	18.72	1149260	20.68
	LOWER LIMIT	292232	13.57	294918	17.72	287315	19.68
	STLVT SAMPLE NO.						
01	A091209LCS	647640	14.07	555257	18.22	533666	20.17
02	MBLK091209A	818840	14.07	607319	18.21	546622	20.16
03							
04							
05							
06							
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13							
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17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080E2 Date Analyzed: 09/21/09

Instrument ID: U Time Analyzed: 1040

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	380622	6.61	1419534	8.57	527385	11.39
	UPPER LIMIT	761244	7.11	2839068	9.07	1054770	11.89
	LOWER LIMIT	190311	6.11	709767	8.07	263692	10.89
	STLVT SAMPLE NO.						
01	TS10043	364581	6.67	1313717	8.59	515894	11.39
02	TS10042	329343	6.62	1189578	8.56	434614	11.39
03							
04							
05							
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07							
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20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080E2 Date Analyzed: 09/21/09

Instrument ID: U Time Analyzed: 1040

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	713061	13.74	627239	17.91	634633	19.83
	UPPER LIMIT	1426122	14.24	1254478	18.41	1269266	20.33
	LOWER LIMIT	356530	13.24	313620	17.41	317316	19.33
	STLVT SAMPLE NO.						
01	TS10043	740382	13.74	751714	17.91	793819	19.82
02	TS10042	623422	13.74	619629	17.90	647532	19.81
03							
04							
05							
06							
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20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

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Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 06OCT090843-R031

% Moisture: 4 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R041

% Moisture: 6 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091909B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091909B

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 06OCT090843-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R051

% Moisture: 6 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.4	
319-85-7	beta-BHC	6.2	
319-86-8	delta-BHC	2.0	
58-89-9	gamma-BHC (Lindane)	5.1	
76-44-8	Heptachlor	5.8	
309-00-2	Aldrin	5.5	
1024-57-3	Heptachlor epoxide	5.7	
959-98-8	Endosulfan I	1.8	
60-57-1	Dieldrin	11	
72-55-9	4,4'-DDE	13	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	5.0	
72-54-8	4,4'-DDD	12	
1031-07-8	Endosulfan sulfate	10	
50-29-3	4,4'-DDT	14	
72-43-5	Methoxychlor	68	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	7.7	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	6.0	
5103-71-9	alpha-Chlordane	5.3	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772MD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R061

% Moisture: 6 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.6	
319-85-7	beta-BHC	6.8	
319-86-8	delta-BHC	2.3	
58-89-9	gamma-BHC (Lindane)	5.4	
76-44-8	Heptachlor	6.3	
309-00-2	Aldrin	6.0	
1024-57-3	Heptachlor epoxide	6.4	
959-98-8	Endosulfan I	2.2	
60-57-1	Dieldrin	12	
72-55-9	4,4'-DDE	14	
72-20-8	Endrin	13	
33213-65-9	Endosulfan II	5.9	
72-54-8	4,4'-DDD	13	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4'-DDT	15	
72-43-5	Methoxychlor	70	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	8.6	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	6.6	
5103-71-9	alpha-Chlordane	5.8	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: B091909LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.9	
319-85-7	beta-BHC	5.9	
319-86-8	delta-BHC	5.8	
58-89-9	gamma-BHC (Lindane)	6.1	
76-44-8	Heptachlor	5.9	
309-00-2	Aldrin	5.6	
1024-57-3	Heptachlor epoxide	6.1	
959-98-8	Endosulfan I	5.2	
60-57-1	Dieldrin	12	
72-55-9	4,4'-DDE	12	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	11	
72-54-8	4,4'-DDD	12	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4'-DDT	16	
72-43-5	Methoxychlor	67	
53494-70-5	Endrin ketone	12	
7421-93-4	Endrin aldehyde	8.3	
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	6.1	
5103-71-9	alpha-Chlordane	5.6	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK091909B	94	93	94	96			0
02	B091909LCS	88	88	97	96			0
03	TS10042	101	100	83	100			0
04	TS10043	92	94	66	80			0
05	TS10043MS	79	80	56*	67			1
06	TS10043MSD	88	86	57*	71			1
07								
08								
09								
10								
11								
12								
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28								

ADVISORY
QC LIMITS
S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - BBLKAL Sample No.: TS10043

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
alpha-BHC	7.1	0.0	4.4	62	55-130
beta-BHC	7.1	0.0	6.2	87	60-130
delta-BHC	7.1	0.0	2.0	28*	50-135
gamma-BHC (Lindane)	7.1	0.0	5.1	72	55-135
Heptachlor	7.1	0.0	5.8	82	60-135
Aldrin	7.1	0.0	5.5	77	55-135
Heptachlor epoxide	7.1	0.0	5.7	80	60-130
Endosulfan I	7.1	0.0	1.8	25*	55-125
Dieldrin	14	0.0	11	78	60-145
4,4'-DDE	14	0.0	13	93	60-145
Endrin	14	0.0	12	86	60-145
Endosulfan II	14	0.0	5.0	36*	55-125
4,4'-DDD	14	0.0	12	86	60-145
Endosulfan sulfate	14	0.0	10	71	40-140
4,4'-DDT	14	0.0	14	100	60-155
Methoxychlor	71	0.0	68	96	65-145
Endrin ketone	14	0.0	11	78	65-145
Endrin aldehyde	14	0.0	7.7	55	15-110
gamma-Chlordane	7.1	0.0	6.0	84	60-140
alpha-Chlordane	7.1	0.0	5.3	75	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - BBLKAL Sample No.: TS10043

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
alpha-BHC	7.1	4.6	65	5	30	55-130
beta-BHC	7.1	6.8	96	10	30	60-130
delta-BHC	7.1	2.3	32*	13	30	50-135
gamma-BHC (Lindane)	7.1	5.4	76	5	30	55-135
Heptachlor	7.1	6.3	89	8	30	60-135
Aldrin	7.1	6.0	84	9	30	55-135
Heptachlor epoxide	7.1	6.4	90	12	30	60-130
Endosulfan I	7.1	2.2	31*	21	30	55-125
Dieldrin	14	12	86	10	30	60-145
4,4'-DDE	14	14	100	7	30	60-145
Endrin	14	13	93	8	30	60-145
Endosulfan II	14	5.9	42*	15	30	55-125
4,4'-DDD	14	13	93	8	30	60-145
Endosulfan sulfate	14	11	78	9	30	40-140
4,4'-DDT	14	15	107	7	30	60-155
Methoxychlor	71	70	98	2	30	65-145
Endrin ketone	14	11	78	0	30	65-145
Endrin aldehyde	14	8.6	61	10	30	15-110
gamma-Chlordane	7.1	6.6	93	10	30	60-140
alpha-Chlordane	7.1	5.8	82	9	30	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 6 out of 40 outside limits

COMMENTS:

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: B091909LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.7		5.9	88	55-130
beta-BHC	6.7		5.9	88	60-130
delta-BHC	6.7		5.8	86	50-135
gamma-BHC (Lindane)	6.7		6.1	91	55-135
Heptachlor	6.7		5.9	88	60-135
Aldrin	6.7		5.6	84	55-135
Heptachlor epoxide	6.7		6.1	91	60-130
Endosulfan I	6.7		5.2	78	55-125
Dieldrin	13		12	92	60-145
4,4'-DDE	13		12	92	60-145
Endrin	13		12	92	60-145
Endosulfan II	13		11	85	55-125
4,4'-DDD	13		12	92	60-145
Endosulfan sulfate	13		11	85	40-140
4,4'-DDT	13		16	123	60-155
Methoxychlor	67		67	100	65-145
Endrin ketone	13		12	92	65-145
Endrin aldehyde	13		8.3	64	15-110
gamma-Chlordane	6.7		6.1	91	60-140
alpha-Chlordane	6.7		5.6	84	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK091909B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: MBLK091909B Lab File ID: 06OCT090843-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 09/19/09

Date Analyzed (1): 10/06/09 Date Analyzed (2): 10/06/09

Time Analyzed (1): 1202 Time Analyzed (2): 1202

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	B091909LCS	B091909LCS	10/06/09	10/06/09
02	TS10042	805771	10/06/09	10/06/09
03	TS10043	805772	10/06/09	10/06/09
04	TS10043MS	805772MS	10/06/09	10/06/09
05	TS10043MSD	805772MD	10/06/09	10/06/09
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_1 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1009 1134

LAB FILE ID: RF1: 06OCT090840-RRF2: 06OCT090840-RRF3: 06OCT090840-R
RF4: 06OCT090840-RRF5: 06OCT090840-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	452.000	565.100	622.350	613.500	677.038
beta-BHC	237.400	224.800	234.850	233.125	240.900
delta-BHC	539.600	553.800	605.050	641.025	679.850
gamma-BHC (Lindane)	550.200	559.900	617.650	632.650	661.650
Heptachlor	528.800	523.000	576.150	596.100	619.700
Aldrin	503.600	503.400	542.300	559.025	592.288
Heptachlor epoxide	470.400	457.600	500.050	512.875	540.500
Endosulfan I	436.200	417.200	455.150	466.975	481.262
Dieldrin	485.200	475.750	536.550	545.000	543.950
4,4'-DDE	469.500	468.850	518.775	527.288	525.506
Endrin	433.900	429.500	478.775	483.838	489.456
Endosulfan II	415.900	412.950	449.950	455.400	456.769
4,4'-DDD	381.400	371.300	424.225	421.312	441.106
Endosulfan sulfate	348.600	353.350	388.950	403.438	406.994
4,4'-DDT	380.900	351.350	400.725	420.888	433.088
Methoxychlor	224.120	212.210	217.260	210.758	180.776
Endrin ketone	485.400	478.250	528.325	533.375	532.388
Endrin aldehyde	313.400	320.900	346.750	367.575	375.162
Chlordane	10.520				
(2)	50.080				
(3)	51.140				
(4)	9.240				
(5)	17.560				
Toxaphene	4.340				
(2)	7.426				
(3)	6.390				
(4)	6.538				
(5)	5.000				
Mirex	328.000	315.400	323.625	320.750	327.625
gamma-Chlordane	464.600	452.000	492.250	504.675	529.338
alpha-Chlordane	417.200	437.500	470.700	464.900	496.562
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	309.600	298.000	314.200	313.650	332.125
Decachlorobiphenyl	415.200	415.900	435.900	438.325	445.338

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_1 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1009 1134

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	585.997500	14.470	20.000	
beta-BHC	AVRG	234.215000	2.571	20.000	
delta-BHC	AVRG	603.865000	9.724	20.000	
gamma-BHC (Lindane)	AVRG	604.410000	7.921	20.000	
Heptachlor	AVRG	568.750000	7.401	20.000	
Aldrin	AVRG	540.122500	7.029	20.000	
Heptachlor epoxide	AVRG	496.285000	6.691	20.000	
Endosulfan I	AVRG	451.357500	5.593	20.000	
Dieldrin	AVRG	517.290000	6.559	20.000	
4,4'-DDE	AVRG	501.983750	6.000	20.000	
Endrin	AVRG	463.093750	6.251	20.000	
Endosulfan II	AVRG	438.193750	4.991	20.000	
4,4'-DDD	AVRG	407.868750	7.346	20.000	
Endosulfan sulfate	AVRG	380.266250	7.266	20.000	
4,4'-DDT	AVRG	397.390000	8.182	20.000	
Methoxychlor	AVRG	209.024750	7.958	20.000	
Endrin ketone	AVRG	511.547500	5.340	20.000	
Endrin aldehyde	AVRG	344.757500	7.946	20.000	
Chlordane	AVRG	10.5200000	0.000	20.000	<-
(2)	AVRG	50.0800000	0.000	20.000	<-
(3)	AVRG	51.1400000	0.000	20.000	<-
(4)	AVRG	9.24000000	0.000	20.000	<-
(5)	AVRG	17.5600000	0.000	20.000	<-
Toxaphene	AVRG	4.34000000	0.000	20.000	<-
(2)	AVRG	7.42600000	0.000	20.000	<-
(3)	AVRG	6.39000000	0.000	20.000	<-
(4)	AVRG	6.53800000	0.000	20.000	<-
(5)	AVRG	5.00000000	0.000	20.000	<-
Mirex	AVRG	323.080000	1.620	20.000	
gamma-Chlordane	AVRG	488.572500	6.347	20.000	
alpha-Chlordane	AVRG	457.372500	6.720	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	313.515000	3.916	20.000	
Decachlorobiphenyl	AVRG	430.132500	3.198	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_2 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1009 1134

LAB FILE ID: RF1: 06OCT090840-RRF2: 06OCT090840-RRF3: 06OCT090840-R
RF4: 06OCT090840-RRF5: 06OCT090840-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	307.600	319.200	354.300	371.550	392.650
beta-BHC	141.200	134.000	138.150	130.900	137.475
delta-BHC	288.000	294.800	331.900	345.050	369.175
gamma-BHC (Lindane)	294.600	296.700	328.850	341.450	367.738
Heptachlor	271.400	250.800	271.950	285.800	307.375
Aldrin	264.200	256.100	281.100	288.900	303.400
Heptachlor epoxide	254.400	234.500	256.850	259.850	272.150
Endosulfan I	238.000	220.400	234.550	242.475	253.750
Dieldrin	243.600	242.750	270.825	273.762	275.325
4,4'-DDE	237.400	233.050	263.300	265.300	275.906
Endrin	216.500	206.200	229.550	237.212	243.125
Endosulfan II	221.900	212.900	231.800	236.900	243.569
4,4'-DDD	188.700	183.700	208.975	215.562	219.406
Endosulfan sulfate	191.300	185.500	201.450	216.238	218.119
4,4'-DDT	175.100	151.400	170.075	189.788	195.300
Methoxychlor	94.500	88.590	94.525	95.172	88.769
Endrin ketone	238.000	236.850	253.425	254.500	259.331
Endrin aldehyde	169.100	165.200	178.950	191.338	195.881
Chlordane	5.940				
(2)	3.700				
(3)	29.220				
(4)	22.060				
(5)	25.020				
Toxaphene	2.984				
(2)	2.640				
(3)	3.380				
(4)	2.062				
(5)	2.448				
Mirex	176.100	162.400	164.150	157.575	160.269
gamma-Chlordane	252.200	235.600	256.200	259.775	279.400
alpha-Chlordane	249.400	233.800	248.150	257.100	261.150
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	202.600	195.200	200.900	198.375	211.375
Decachlorobiphenyl	240.200	225.900	224.100	211.975	222.462

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_2 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1009 1134

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	349.060000	10.173	20.000	
beta-BHC	AVRG	136.345000	2.916	20.000	
delta-BHC	AVRG	325.785000	10.498	20.000	
gamma-BHC (Lindane)	AVRG	325.867500	9.500	20.000	
Heptachlor	AVRG	277.465000	7.522	20.000	
Aldrin	AVRG	278.740000	6.809	20.000	
Heptachlor epoxide	AVRG	255.550000	5.323	20.000	
Endosulfan I	AVRG	237.835000	5.105	20.000	
Dieldrin	AVRG	261.252500	6.348	20.000	
4,4'-DDE	AVRG	254.991250	7.346	20.000	
Endrin	AVRG	226.517500	6.668	20.000	
Endosulfan II	AVRG	229.413750	5.300	20.000	
4,4'-DDD	AVRG	203.268750	7.930	20.000	
Endosulfan sulfate	AVRG	202.521250	7.190	20.000	
4,4'-DDT	AVRG	176.332500	9.835	20.000	
Methoxychlor	AVRG	92.3112500	3.604	20.000	
Endrin ketone	AVRG	248.421250	4.142	20.000	
Endrin aldehyde	AVRG	180.093750	7.448	20.000	
Chlordane	AVRG	5.94000000	0.000	20.000	<-
(2)	AVRG	3.70000000	0.000	20.000	<-
(3)	AVRG	29.2200000	0.000	20.000	<-
(4)	AVRG	22.0600000	0.000	20.000	<-
(5)	AVRG	25.0200000	0.000	20.000	<-
Toxaphene	AVRG	2.98400000	0.000	20.000	<-
(2)	AVRG	2.64000000	0.000	20.000	<-
(3)	AVRG	3.38000000	0.000	20.000	<-
(4)	AVRG	2.06200000	0.000	20.000	<-
(5)	AVRG	2.44800000	0.000	20.000	<-
Mirex	AVRG	164.098750	4.353	20.000	
gamma-Chlordane	AVRG	256.635000	6.132	20.000	
alpha-Chlordane	AVRG	249.920000	4.201	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	201.690000	3.020	20.000	
Decachlorobiphenyl	AVRG	224.927500	4.494	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_1 Calibration Date: 10/06/09 Time: 1341

Lab File ID: 06OCT090843-R0 Init. Calib. Date(s): 10/06/09 10/06/09

Init. Calib. Times: 1009 1106

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	585.998	531.050		9.4	15.0
beta-BHC	234.215	236.300		0.9	15.0
delta-BHC	603.865	624.600		3.4	15.0
gamma-BHC (Lindane)	604.410	624.250		3.3	15.0
Heptachlor	568.750	595.250		4.6	15.0
Aldrin	540.123	559.050		3.5	15.0
Heptachlor epoxide	496.285	503.500		1.4	15.0
Endosulfan I	451.357	466.250		3.3	15.0
Dieldrin	517.290	551.900		6.7	15.0
4,4'-DDE	501.984	536.700		6.9	15.0
Endrin	463.094	502.550		8.5	15.0
Endosulfan II	438.194	471.600		7.6	15.0
4,4'-DDD	407.869	457.700		12.2	15.0
Endosulfan sulfate	380.266	396.675		4.3	15.0
4,4'-DDT	397.390	438.825		10.4	15.0
Methoxychlor	209.025	227.805		9.0	15.0
Endrin ketone	511.548	523.325		2.3	15.0
Endrin aldehyde	344.757	361.975		5.0	15.0
Mirex	323.080	326.000		0.9	15.0
gamma-Chlordane	488.573	504.000		3.2	15.0
alpha-Chlordane	457.372	470.250		2.8	15.0
Tetrachloro-m-xylene	313.515	328.500		4.8	15.0
Decachlorobiphenyl	430.133	397.400		7.6	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_2 Calibration Date: 10/06/09 Time: 1341

Lab File ID: 06OCT090843-R0 Init. Calib. Date(s): 10/06/09 10/06/09

Init. Calib. Times: 1009 1106

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	349.060	365.900		4.8	15.0
beta-BHC	136.345	135.850		0.4	15.0
delta-BHC	325.785	333.100		2.2	15.0
gamma-BHC (Lindane)	325.868	345.000		5.9	15.0
Heptachlor	277.465	291.050		4.9	15.0
Aldrin	278.740	282.550		1.4	15.0
Heptachlor epoxide	255.550	259.300		1.5	15.0
Endosulfan I	237.835	238.800		0.4	15.0
Dieldrin	261.252	268.000		2.6	15.0
4,4'-DDE	254.991	273.900		7.4	15.0
Endrin	226.517	239.000		5.5	15.0
Endosulfan II	229.414	232.150		1.2	15.0
4,4'-DDD	203.269	217.525		7.0	15.0
Endosulfan sulfate	202.521	206.550		2.0	15.0
4,4'-DDT	176.333	189.050		7.2	15.0
Methoxychlor	92.311	102.180		10.7	15.0
Endrin ketone	248.421	247.450		0.4	15.0
Endrin aldehyde	180.094	181.000		0.5	15.0
Mirex	164.099	157.425		4.1	15.0
gamma-Chlordane	256.635	260.950		1.7	15.0
alpha-Chlordane	249.920	248.200		0.7	15.0
Tetrachloro-m-xylene	201.690	206.300		2.3	15.0
Decachlorobiphenyl	224.927	201.500		10.4	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 10/06/09 10/06/09

Instrument ID: 0825_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.22 DCB: 7.16

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	10/06/09	0955	2.21	7.16
02	INDA_B-1	INDA_B-1	10/06/09	1009	2.22	7.17
03	INDA_B-2	INDA_B-2	10/06/09	1023	2.22	7.17
04	INDA_B-3	INDA_B-3	10/06/09	1037	2.22	7.16
05	INDA_B-4	INDA_B-4	10/06/09	1051	2.22	7.16
06	INDA_B-5	INDA_B-5	10/06/09	1106	2.22	7.16
07	TOX 500PPB	TOX 500PPB	10/06/09	1120	2.22	7.17
08	T-CHLOR 50	T-CHLOR 50	10/06/09	1134	2.22	7.17
09	INDABICV	INDABICV	10/06/09	1148	2.22	7.17
10	MBLK091909B	MBLK091909B	10/06/09	1202	2.22	7.17
11	B091909LCS	B091909LCS	10/06/09	1216	2.21	7.15
12	TS10042	805771	10/06/09	1230	2.21	7.15
13	TS10043	805772	10/06/09	1244	2.22	7.17
14	TS10043MS	805772MS	10/06/09	1258	2.22	7.17
15	TS10043MSD	805772MD	10/06/09	1312	2.21	7.16
16	BCS	BCS	10/06/09	1326	2.21	7.15
17	INDA_B-3	INDA_B-3	10/06/09	1341	2.22	7.17
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 10/06/09 10/06/09

Instrument ID: 0825_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.52 DCB: 8.24

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	10/06/09	0955	2.52	8.25
02	INDA_B-1	INDA_B-1	10/06/09	1009	2.52	8.25
03	INDA_B-2	INDA_B-2	10/06/09	1023	2.52	8.25
04	INDA_B-3	INDA_B-3	10/06/09	1037	2.52	8.24
05	INDA_B-4	INDA_B-4	10/06/09	1051	2.53	8.25
06	INDA_B-5	INDA_B-5	10/06/09	1106	2.52	8.24
07	TOX 500PPB	TOX 500PPB	10/06/09	1120	2.52	8.24
08	T-CHLOR 50	T-CHLOR 50	10/06/09	1134	2.52	8.25
09	INDABICV	INDABICV	10/06/09	1148	2.52	8.25
10	MBLK091909B	MBLK091909B	10/06/09	1202	2.52	8.25
11	B091909LCS	B091909LCS	10/06/09	1216	2.51	8.23
12	TS10042	805771	10/06/09	1230	2.51	8.23
13	TS10043	805772	10/06/09	1244	2.52	8.24
14	TS10043MS	805772MS	10/06/09	1258	2.52	8.24
15	TS10043MSD	805772MD	10/06/09	1312	2.51	8.23
16	BCS	BCS	10/06/09	1326	2.51	8.23
17	INDA_B-3	INDA_B-3	10/06/09	1341	2.52	8.24
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	2.65	2.59	2.69	3.4	
	2	3.02	2.97	3.07	4.4	26
beta-BHC	1	2.96	2.90	3.00	6.2	
	2	3.38	3.34	3.44	5.7	8.4
delta-BHC	1	3.09	3.04	3.14	2.0	
	2	3.64	3.59	3.69	2.0	0.0
gamma-BHC (Lindane)	1	2.89	2.84	2.94	4.8	
	2	3.32	3.27	3.37	5.1	6.1
Heptachlor	1	3.26	3.20	3.30	5.3	
	2	3.71	3.66	3.76	5.8	9.0
Aldrin	1	3.50	3.44	3.54	5.3	
	2	4.01	3.96	4.06	5.5	3.7
Heptachlor epoxide	1	4.01	3.95	4.05	5.6	
	2	4.53	4.48	4.58	5.7	1.8
Endosulfan I	1	4.35	4.30	4.40	1.8	
	2	4.91	4.86	4.96	1.7	5.7

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	4.57	4.51	4.61	11	
	2	5.18	5.13	5.23	11	0.0
4,4'-DDE	1	4.30	4.25	4.35	12	
	2	5.01	4.96	5.06	13	8.0
Endrin	1	4.78	4.72	4.82	11	
	2	5.48	5.43	5.53	12	8.7
Endosulfan II	1	4.99	4.93	5.03	4.6	
	2	5.69	5.64	5.74	5.0	8.3
4,4'-DDD	1	4.85	4.79	4.89	11	
	2	5.59	5.54	5.64	12	8.7
Endosulfan sulfate	1	5.82	5.77	5.87	9.0	
	2	6.33	6.28	6.38	10	11
4,4'-DDT	1	5.11	5.06	5.16	13	
	2	5.91	5.86	5.96	14	7.4
Methoxychlor	1	5.60	5.54	5.64	59	
	2	6.63	6.59	6.69	68	14

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.10	6.05	6.15	10	
	2	6.89	6.84	6.94	11	9.5
Endrin aldehyde	1	5.39	5.34	5.44	7.1	
	2	6.04	5.99	6.09	7.7	8.1
gamma-Chlordane	1	4.11	4.06	4.16	6.0	
	2	4.71	4.66	4.76	5.9	1.7
alpha-Chlordane	1	4.23	4.17	4.27	5.3	
	2	4.85	4.80	4.90	5.2	1.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MD Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	2.63	2.59	2.69	4.1	
	2	3.01	2.97	3.07	4.6	11
beta-BHC	1	2.95	2.90	3.00	6.8	
	2	3.37	3.34	3.44	6.4	6.1
delta-BHC	1	3.08	3.04	3.14	2.3	
	2	3.63	3.59	3.69	2.3	0.0
gamma-BHC (Lindane)	1	2.88	2.84	2.94	5.1	
	2	3.31	3.27	3.37	5.4	5.7
Heptachlor	1	3.24	3.20	3.30	5.7	
	2	3.70	3.66	3.76	6.3	10
Aldrin	1	3.48	3.44	3.54	5.8	
	2	3.99	3.96	4.06	6.0	3.4
Heptachlor epoxide	1	3.99	3.95	4.05	6.2	
	2	4.52	4.48	4.58	6.4	3.2
Endosulfan I	1	4.34	4.30	4.40	2.2	
	2	4.89	4.86	4.96	2.2	0.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MD Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	4.55	4.51	4.61	12	
	2	5.16	5.13	5.23	12	0.0
4,4'-DDE	1	4.29	4.25	4.35	13	
	2	5.00	4.96	5.06	14	7.4
Endrin	1	4.76	4.72	4.82	12	
	2	5.47	5.43	5.53	13	8.0
Endosulfan II	1	4.97	4.93	5.03	5.3	
	2	5.68	5.64	5.74	5.9	11
4,4'-DDD	1	4.83	4.79	4.89	12	
	2	5.57	5.54	5.64	13	8.0
Endosulfan sulfate	1	5.81	5.77	5.87	9.4	
	2	6.31	6.28	6.38	11	16
4,4'-DDT	1	5.10	5.06	5.16	13	
	2	5.90	5.86	5.96	15	14
Methoxychlor	1	5.58	5.54	5.64	61	
	2	6.62	6.59	6.69	70	14

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MD Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.09	6.05	6.15	10	
	2	6.88	6.84	6.94	11	9.5
Endrin aldehyde	1	5.38	5.34	5.44	7.8	
	2	6.02	5.99	6.09	8.6	9.8
gamma-Chlordane	1	4.10	4.06	4.16	6.6	
	2	4.70	4.66	4.76	6.5	1.5
alpha-Chlordane	1	4.22	4.17	4.27	5.7	
	2	4.84	4.80	4.90	5.8	1.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: B091909LCS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	2.64	2.59	2.69	5.2	
	2	3.01	2.97	3.07	5.9	13
beta-BHC	1	2.94	2.90	3.00	5.9	
	2	3.38	3.34	3.44	5.9	0.0
delta-BHC	1	3.08	3.04	3.14	5.7	
	2	3.64	3.59	3.69	5.8	1.7
gamma-BHC (Lindane)	1	2.88	2.84	2.94	5.8	
	2	3.31	3.27	3.37	6.1	5.0
Heptachlor	1	3.25	3.20	3.30	5.8	
	2	3.70	3.66	3.76	5.9	1.7
Aldrin	1	3.49	3.44	3.54	5.6	
	2	4.00	3.96	4.06	5.6	0.0
Heptachlor epoxide	1	3.99	3.95	4.05	6.1	
	2	4.52	4.48	4.58	6.1	0.0
Endosulfan I	1	4.34	4.30	4.40	5.2	
	2	4.90	4.86	4.96	5.2	0.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: B091909LCS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	4.55	4.51	4.61	12	
	2	5.17	5.13	5.23	12	0.0
4,4'-DDE	1	4.29	4.25	4.35	12	
	2	5.00	4.96	5.06	12	0.0
Endrin	1	4.76	4.72	4.82	12	
	2	5.47	5.43	5.53	12	0.0
Endosulfan II	1	4.97	4.93	5.03	11	
	2	5.68	5.64	5.74	11	0.0
4,4'-DDD	1	4.83	4.79	4.89	12	
	2	5.58	5.54	5.64	12	0.0
Endosulfan sulfate	1	5.81	5.77	5.87	9.9	
	2	6.32	6.28	6.38	11	11
4,4'-DDT	1	5.10	5.06	5.16	16	
	2	5.90	5.86	5.96	16	0.0
Methoxychlor	1	5.59	5.54	5.64	64	
	2	6.63	6.59	6.69	67	4.6

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: B091909LCS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.09	6.05	6.15	11	
	2	6.88	6.84	6.94	12	8.7
Endrin aldehyde	1	5.38	5.34	5.44	8.3	
	2	6.03	5.99	6.09	8.3	0.0
gamma-Chlordane	1	4.10	4.06	4.16	6.1	
	2	4.70	4.66	4.76	6.0	1.7
alpha-Chlordane	1	4.22	4.17	4.27	5.6	
	2	4.84	4.80	4.90	5.4	3.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10042

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: 805771

Phase Weight: 9.37 (g) Date Received: 09/09/09

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: 96 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	56	U
11104-28-2	Aroclor-1221	56	U
11141-16-5	Aroclor-1232	56	U
53469-21-9	Aroclor-1242	56	U
12672-29-6	Aroclor-1248	56	U
11097-69-1	Aroclor-1254	56	U
11096-82-5	Aroclor-1260	56	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10043

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: 805772

Phase Weight: 10.18 (g) Date Received: 09/09/09

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: 94 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	52	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK914A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: PBLK914A

Phase Weight: 10.74 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	47	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS914A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: PLCS914A

Phase Weight: 10.06 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	490	
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	490	
11096-82-5	Aroclor-1260	50	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL478

EPA SAMPLE NO.	TCX 1 % REC	#	TCX 2 % REC	#	DCB 1 % REC	#	DCB 2 % REC	#
PBLK914A	95		96		97		96	
PLCS914A	105		104		95		99	
TS10042	83		85		84		86	
TS10043	12	*	13	*	20	*	19	*

Project Specific
QC Limits
(60 - 150)
(60 - 150)

TCX = Tetrachloro-meta-Xylene
DCB = Decachlorobiphenyl

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL478

EPA SAMPLE NO.: PLCS914A

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	497	495	100	39-150
Aroclor 1254	497	488	98	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK914A	SDG:	KAL478
Matrix:	SOIL	Level:	LOW
Date Extracted:	09/14/09	Date Analyzed(2):	10/06/09
Date Analyzed(1):	10/06/09	Time Analyzed(2):	03:48
Time Analyzed(1):	03:48	GC ID(2):	HP2624
GC ID(1):	HP2624	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS914A	PLCS914A	10/06/09	10/06/09
805771	TS10042	10/06/09	10/06/09
805772	TS10043	10/06/09	10/06/09

2624_100509F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	5-Oct-09	13:34 to
GC:	HP-2624		6-Oct-09	3:00
Col. 1:	RTX-5			
Col. 2:	RTX-35	File:	49,50 05OCT091218	

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		49.3	100	201	398	801	
	Cal Fact	0.986	1.000	1.005	0.995	1.001	0.7
	% Diff	1	0	-1	1	0	
Aroclor 1221		53.2	104	206	406	783	
	Cal Fact	1.064	1.040	1.030	1.015	0.979	3.1
	% Diff	-6	-4	-3	-2	2	
Aroclor 1232		49.3	98.4	198	406	798	
	Cal Fact	0.986	0.984	0.990	1.015	0.998	1.3
	% Diff	1	2	1	-2	0	
Aroclor 1242		48.5	97.8	201	398	805	
	Cal Fact	0.970	0.978	1.005	0.995	1.006	1.6
	% Diff	3	2	-1	1	-1	
Aroclor 1248		48.7	98.4	202	406	795	
	Cal Fact	0.974	0.984	1.010	1.015	0.994	1.7
	% Diff	3	2	-1	-2	1	
Aroclor 1254		48.5	99.7	202	400	800	
	Cal Fact	0.970	0.997	1.010	1.000	1.000	1.5
	% Diff	3	0	-1	0	0	
Aroclor 1260		50.0	102	200	403	795	
	Cal Fact	1.000	1.020	1.000	1.008	0.994	1.0
	% Diff	0	-2	0	-1	1	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL478F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP2624
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 49,50 05OCT091218
date/time: 10/5/2009 13:34 to 10/6/2009 3:00

Check Standard File: 49,50 05OCT091506,12
Date: 10/6/2009
Time: 8:09

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	221	10.5

Check Standard File: 49,50 05OCT091506,13
Date: 10/6/2009
Time: 8:32

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	219	9.5

Check Standard File: 49,50 05OCT091506,25
Date: 10/6/2009
Time: 13:17

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	230	15.0

Check Standard File: 49,50 05OCT091506,26
Date: 10/6/2009
Time: 13:41

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1254	200	229	14.5

Check Standard File: 49,50 05OCT091506,32
Date: 10/6/2009
Time: 16:03

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	229	14.5

Check Standard File: 49,50 05OCT091506,33
Date: 10/6/2009
Time: 16:27

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	227	13.5

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB
AR1016 50ppb	AR1016 50	5-Oct-2009 13:34	4.11	14.96
AR1016 100ppb	AR1016 100	5-Oct-2009 13:57	4.12	14.98
AR1016 200ppb	AR1016 200	5-Oct-2009 14:21	4.12	14.97
AR1016 400ppb	AR1016 400	5-Oct-2009 14:45	4.11	14.96
AR1016 800ppb	AR1016 800	5-Oct-2009 15:08	4.11	14.96
AR1221 50ppb	AR1221 50	5-Oct-2009 15:32	4.11	14.97
AR1221 100ppb	AR1221 100	5-Oct-2009 15:56	4.11	14.96
AR1221 200ppb	AR1221 200	5-Oct-2009 16:20	4.11	14.96
AR1221 400ppb	AR1221 400	5-Oct-2009 16:43	4.12	14.97
AR1221 800ppb	AR1221 800	5-Oct-2009 17:07	4.12	14.97
AR1232 50ppb	AR1232 50	5-Oct-2009 17:31	4.11	14.97
AR1232 100ppb	AR1232 100	5-Oct-2009 17:55	4.12	14.97
AR1232 200ppb	AR1232 200	5-Oct-2009 18:18	4.11	14.96
AR1232 400ppb	AR1232 400	5-Oct-2009 18:42	4.12	14.97
AR1232 800ppb	AR1232 800	5-Oct-2009 19:06	4.12	14.97
AR1242 50ppb	AR1242 50	5-Oct-2009 19:30	4.12	14.97
AR1242 100ppb	AR1242 100	5-Oct-2009 19:53	4.11	14.97
AR1242 200ppb	AR1242 200	5-Oct-2009 20:17	4.11	14.96
AR1242 400ppb	AR1242 400	5-Oct-2009 20:41	4.12	14.97
AR1242 800ppb	AR1242 800	5-Oct-2009 21:04	4.12	14.97
AR1248 50ppb	AR1248 50	5-Oct-2009 21:28	4.11	14.96
AR1248 100ppb	AR1248 100	5-Oct-2009 21:52	4.11	14.96
AR1248 200ppb	AR1248 200	5-Oct-2009 22:16	4.12	14.97
AR1248 400ppb	AR1248 400	5-Oct-2009 22:39	4.12	14.97
AR1248 800ppb	AR1248 800	5-Oct-2009 23:03	4.12	14.97
AR1254 50ppb	AR1254 50	5-Oct-2009 23:27	4.11	14.96
AR1254 100ppb	AR1254 100	5-Oct-2009 23:51	4.11	14.96
AR1254 200ppb	AR1254 200	6-Oct-2009 00:14	4.12	14.97
AR1254 400ppb	AR1254 400	6-Oct-2009 00:38	4.12	14.97
AR1254 800ppb	AR1254 800	6-Oct-2009 01:02	4.11	14.96
AR1260 50ppb	AR1260 50	6-Oct-2009 01:25	4.11	14.96
AR1260 100ppb	AR1260 100	6-Oct-2009 01:49	4.11	14.96
AR1260 200ppb	AR1260 200	6-Oct-2009 02:13	4.12	14.97
AR1260 400ppb	AR1260 400	6-Oct-2009 02:37	4.12	14.97
AR1260 800ppb	AR1260 800	6-Oct-2009 03:00	4.11	14.96
PBLK914A	PBLK914A	6-Oct-2009 03:48	4.12	14.97
PLCS914A	PLCS914A	6-Oct-2009 04:11	4.10	14.96
AR1248 200	AR1248 200	6-Oct-2009 08:09	4.10	14.96
AR1242 200	AR1242 200	6-Oct-2009 08:32	4.12	14.97
AR1248 200	AR1248 200	6-Oct-2009 13:17	4.11	14.96
AR1254 200	AR1254 200	6-Oct-2009 13:41	4.11	14.96
805771	TS10042	6-Oct-2009 14:52	4.11	14.96
805772	TS10043	6-Oct-2009 15:16	4.13	14.97

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.11 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.97 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	6-Oct-2009 16:03	4.11	14.96	
AR1260 200	AR1260 200	6-Oct-2009 16:27	4.11	14.96	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.11 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.97 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB
AR1016 50ppb	AR1016 50	5-Oct-2009 13:34	4.62	16.15
AR1016 100ppb	AR1016 100	5-Oct-2009 13:57	4.62	16.15
AR1016 200ppb	AR1016 200	5-Oct-2009 14:21	4.61	16.14
AR1016 400ppb	AR1016 400	5-Oct-2009 14:45	4.62	16.15
AR1016 800ppb	AR1016 800	5-Oct-2009 15:08	4.60	16.14
AR1221 50ppb	AR1221 50	5-Oct-2009 15:32	4.62	16.15
AR1221 100ppb	AR1221 100	5-Oct-2009 15:56	4.61	16.14
AR1221 200ppb	AR1221 200	5-Oct-2009 16:20	4.62	16.16
AR1221 400ppb	AR1221 400	5-Oct-2009 16:43	4.62	16.16
AR1221 800ppb	AR1221 800	5-Oct-2009 17:07	4.62	16.15
AR1232 50ppb	AR1232 50	5-Oct-2009 17:31	4.61	16.15
AR1232 100ppb	AR1232 100	5-Oct-2009 17:55	4.62	16.15
AR1232 200ppb	AR1232 200	5-Oct-2009 18:18	4.60	16.14
AR1232 400ppb	AR1232 400	5-Oct-2009 18:42	4.61	16.15
AR1232 800ppb	AR1232 800	5-Oct-2009 19:06	4.61	16.14
AR1242 50ppb	AR1242 50	5-Oct-2009 19:30	4.62	16.15
AR1242 100ppb	AR1242 100	5-Oct-2009 19:53	4.61	16.14
AR1242 200ppb	AR1242 200	5-Oct-2009 20:17	4.62	16.15
AR1242 400ppb	AR1242 400	5-Oct-2009 20:41	4.62	16.16
AR1242 800ppb	AR1242 800	5-Oct-2009 21:04	4.62	16.15
AR1248 50ppb	AR1248 50	5-Oct-2009 21:28	4.60	16.14
AR1248 100ppb	AR1248 100	5-Oct-2009 21:52	4.61	16.14
AR1248 200ppb	AR1248 200	5-Oct-2009 22:16	4.62	16.15
AR1248 400ppb	AR1248 400	5-Oct-2009 22:39	4.62	16.16
AR1248 800ppb	AR1248 800	5-Oct-2009 23:03	4.61	16.14
AR1254 50ppb	AR1254 50	5-Oct-2009 23:27	4.61	16.14
AR1254 100ppb	AR1254 100	5-Oct-2009 23:51	4.62	16.15
AR1254 200ppb	AR1254 200	6-Oct-2009 00:14	4.62	16.14
AR1254 400ppb	AR1254 400	6-Oct-2009 00:38	4.62	16.14
AR1254 800ppb	AR1254 800	6-Oct-2009 01:02	4.61	16.14
AR1260 50ppb	AR1260 50	6-Oct-2009 01:25	4.60	16.13
AR1260 100ppb	AR1260 100	6-Oct-2009 01:49	4.60	16.13
AR1260 200ppb	AR1260 200	6-Oct-2009 02:13	4.61	16.14
AR1260 400ppb	AR1260 400	6-Oct-2009 02:37	4.61	16.14
AR1260 800ppb	AR1260 800	6-Oct-2009 03:00	4.61	16.14
PBLK914A	PBLK914A	6-Oct-2009 03:48	4.61	16.14
PLCS914A	PLCS914A	6-Oct-2009 04:11	4.61	16.14
AR1248 200	AR1248 200	6-Oct-2009 08:09	4.60	16.13
AR1242 200	AR1242 200	6-Oct-2009 08:32	4.61	16.14
AR1248 200	AR1248 200	6-Oct-2009 13:17	4.61	16.13
AR1254 200	AR1254 200	6-Oct-2009 13:41	4.61	16.14
805771	TS10042	6-Oct-2009 14:52	4.62	16.14
805772	TS10043	6-Oct-2009 15:16	4.62	16.14

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.61 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 16.15 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	6-Oct-2009 16:03	4.61	16.14	
AR1260 200	AR1260 200	6-Oct-2009 16:27	4.62	16.15	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.61 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 16.15 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

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30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093507***
Date Reported :	***09/22/09***
Date Activated :	***09/09/09***
Date Due :	***09/23/09***
Date Validated :	***09/21/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093507. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please contact us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

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LABORATORY DETAIL REPORT

KAR Project No. : ***093507***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/22/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10042"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***09/08/09***
Sample Time : ***1430***

Date Received : ***09/09/09***
Sample Type : ***solid***
KAR Sample No. : ***093507-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5030	09/14/09	JAR	
TPH by GC-gasoline range	<10	mg/kg	EPA 8260	09/14/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	09/16/09	KTL	
Prep, SV BN	Completed		EPA 3545	09/11/09	GMB	
TPH by GC-diesel range	<10	mg/kg	EPA 8270	09/16/09	KTL	
12DCA-D4 (surr spk)	115	% spike recovery	EPA 8260	09/14/09	JAR	
BFB (surr spk)	104	% spike recovery	EPA 8260	09/14/09	JAR	
Toluene-D8 (surr spk)	106	% spike recovery	EPA 8260	09/14/09	JAR	
2FB (surr spk)	79	% spike recovery	EPA 8270	09/16/09	KTL	
Terphenyl D14 (surr spk)	98	% spike recovery	EPA 8270	09/16/09	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : ***093507***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/22/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10043"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***09/08/09***

Sample Time : ***1435***

Date Received : ***09/09/09***

Sample Type : ***soil***

KAR Sample No. : ***093507-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	92.56	% by weight	SM 2540 B mod.	09/09/09	GMB	
Prep, VOA	Completed		EPA 5035	09/14/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	09/14/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	09/16/09	KTL	
Prep, SV BN	Completed		EPA 3545	09/11/09	GMB	
TPH by GC-diesel range	50	mg/kg dry sample	EPA 8270	09/16/09	KTL	
12DCA-D4 (surr spk)	109	% spike recovery	EPA 8260	09/14/09	JAR	
BFB (surr spk)	102	% spike recovery	EPA 8260	09/14/09	JAR	
Toluene-D8 (surr spk)	103	% spike recovery	EPA 8260	09/14/09	JAR	
2FB (surr spk)	90	% spike recovery	EPA 8270	09/16/09	KTL	
Terphenyl D14 (surr spk)	63	% spike recovery	EPA 8270	09/16/09	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : ***093507***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/22/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank***

Sampled By :
Sample Date :
Sample Time :

Date Received : ***09/09/09***
Sample Type : ***LMB-soil***
KAR Sample No. : ***093507-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	09/14/09	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	09/14/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	09/16/09	KTL	
Prep, SV BN	Completed		EPA 3545	09/11/09	GMB	
TPH by GC-diesel range	<10	mg/kg dry sample	EPA 8270	09/16/09	KTL	
12DCA-D4 (surr spk)	108	% spike recovery	EPA 8260	09/14/09	JAR	
BFB (surr spk)	100	% spike recovery	EPA 8260	09/14/09	JAR	
Toluene-D8 (surr spk)	112	% spike recovery	EPA 8260	09/14/09	JAR	
2FB (surr spk)	80	% spike recovery	EPA 8270	09/16/09	KTL	
Terphenyl D14 (surr spk)	94	% spike recovery	EPA 8270	09/16/09	KTL	

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093544***
Date Reported :	***09/22/09***
Date Activated :	***09/10/09***
Date Due :	***09/24/09***
Date Validated :	***09/22/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093544. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

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LABORATORY DETAIL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10044"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1020*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	81.73	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	82	% spike recovery	EPA 8082	09/16/09	GMB	

Sample ID : *"TS10045"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1023*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	73.56	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	76	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	09/16/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10046"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1026*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.57	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	77	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	09/16/09	GMB	

Sample ID : *"TS10047"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1028*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	90.02	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	400	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	400	ug/kg dry sample	EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	83	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	80	% spike recovery	EPA 8082	09/16/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Sample Date :

Sample Time :

Date Received : *09/10/09*

Sample Type : *LMB*

KAR Sample No. : *093544-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	75	% spike recovery	EPA 8082	09/16/09	GMB	

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Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093544***
Date Reported :	***09/22/09***
Date Activated :	***09/10/09***
Date Due :	***09/24/09***
Date Validated :	***09/22/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093544. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10044"*

Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*

Date Received : *09/10/09* **Time Sampled :** *1020* **Sample No. :** *093544-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	81.73 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		69.9 %	65.2 %	7.0 %				29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		75.4 %	66.2 %	13.0 %				29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	82 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*
Date Reported : *09/22/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10045"*
Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*
Date Received : *09/10/09* **Time Sampled :** *1023* **Sample No. :** *093544-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	76 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	73.56 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Date Reported : *09/22/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10046"*

Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*

Date Received : *09/10/09* **Time Sampled :** *1026* **Sample No. :** *093544-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	77 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	80.57 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	330 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	330 ug/kg dry sample								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10047"*

Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*

Date Received : *09/10/09* **Time Sampled :** *1028* **Sample No. :** *093544-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	83 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	90.02 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	400 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	400 ug/kg dry sample								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	80 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By : **Date Sampled :** **Sample Type :** *LMB*

Date Received : *09/10/09* **Time Sampled :** **Sample No. :** *093544-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-121	NA	EPA 8082	09/16/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								12-113	5	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-74	6	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									10	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	NA								16-128		EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	75 % spike recovery								23-100	NA	EPA 8082	09/16/09	GMB		

BATCH QC REPORT

Printed : 11:07:33 AM, 09/22/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090911DW1	09/11/09	96.24							96.7	95.78	1.0 %		5	093525-16
PCB Aroclor 1016	090911SO8	09/16/09	0	917.6557	641.579	69.9 %	597.9486	65.2 %	7.0 %				29-135	25	093544-01
PCB Aroclor 1260	090911SO8	09/16/09	0	917.6557	691.9092	75.4 %	607.2222	66.2 %	13.0 %				29-135	25	093544-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS
Infrastructure, environment, facilities

ID#: 13991

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax: —
City: Chicago State: IL Zip: 60603	E-mail Address: ERIC.HRITSUK@ARCADIS-US.COM
Project Name/Location (City, State): PLAINWELL DAM No. 2	Project #: B0064536.0001
Sampler's Printed Name: SCOTT HARCUS	Sampler's Signature: Scott Harcus

Preservative	E											
Filtered (✓)												
# of Containers	1											
Container Information	7											

PARAMETER ANALYSIS & METHOD

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil
W - Water, SL - Sludge, SW - Sample Wipe
T - Tissue, A - Air, Other: _____

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	PCB							REMARKS
TS10044	9/10/09	1020		✓	SO	X							
TS10045	↓	1023		✓	↓	X							
TS10046	↓	1026		✓	↓	X							
TS10047	↓	1028		✓	↓	X							

Special Instructions/Comments:

☐ **Special QA/QC Instructions(✓):**

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: KAR	Cooler Custody Seal (✓)	Printed Name: Scott Harcus	Printed Name:	Printed Name:	Printed Name: Hope Stanley
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: Scott Harcus	Signature:	Signature:	Signature: Hope Stanley
Specify Turnaround Requirements: STANDARD	Sample Receipt:	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm: KAR Labs
Shipping Tracking #: DROPOFF	Condition/Cooler Temp: _____	Date/Time: 9/10/09 1700	Date/Time:	Date/Time:	Date/Time: 9/10/09 @ 5:10p

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by BBL

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL482

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

December 4, 2009

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL482

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on October 23rd, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/23/09 ETR No: 134333		
811393	TS10048	10/22/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. Due to a capacity issue at the Burlington laboratory, the volatile organic analysis of sample TS10048 was accomplished by the TestAmerica laboratory in Chicago IL. Those results are filed at the end of this case submittal in a section titled subcontract data.

The semivolatile organic analysis of method blank MBLK102709B exhibited the presence of target compound Bis (2-Ethylhexyl) phthalate at a concentration above reporting limit. This compound was detected in associated sample TS10048 at a concentration below reporting limit, and has been reported with a B qualifier.

The pesticide analysis of sample TS10048 was accomplished at a twenty-fold dilution to provide for quantification of all target compounds from concentrations within calibration range. The laboratory noticed the presence of these pesticide peaks in the PCB analysis of the same sample, which was from a separate extraction. The same compound (DDT series) were detected as Tentatively Identified Compounds in the semivolatile organic analysis of the same sample, which was also from a separate extraction. To be certain the presence of these compounds were truly present in sample TS10048, the sample was re-extracted for pesticides. The screen analysis of the re-extract confirmed their presence, and is filed in the organic sample preparation section of this case submittal.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Due to the close similarity between Aroclors 1016 and 1242, the automated PCB quantification algorithm occasionally identifies both Aroclors, or just Aroclor 1016. Based on the historical approach to this situation for the project, any software reports identified as Aroclor 1016 are actually reported as Aroclor 1242. Although the software report still identifies the Aroclor 1016, the final reporting form and EDD will only reflect the cumulative result for Aroclor 1242.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937 x 24
Address: 30 W Monroe St. Suite 1710	Fax: 312-332-4434
City State Zip: Chicago, IL 60603	E-mail Address:
Project Name/Location (City, State): Plainwell Dam No. 2 TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Michael F. Kohagen	Sampler's Signature:

Preservative	E		E											
Filtered (✓)														
# of Containers	5		4											
Container Information	2		9											

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB		pH	Organic Content	TCL VOCs	TCL SVOCs	TCL Pesticides/ PCBs	RCRA Metals	REMARKS
TS30145	10/22/09	1015		X	SW		X								
TS30146	10/22/09	1030		X	SW		X								
TS30147	10/22/09	1115		X	SW		X								
7510048	10/22/09	0930	X		SO				X	X	X	X	X	X	

COPY - ORIGINAL ON FILE
SDG # TCRA123 ETR # 134329

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America Labs	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Chris Kolb
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact Not present	Signature:	Signature:	Signature:
Specify Turnaround Requirements: STANDARD TAT	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA Burlington
Fed-Ex Tracking #: 0	Condition/Cooler Temp: 4	Date/Time: 10-22-09/ 1700	Date/Time:	Date/Time: 10/23/09 1037

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10048

Lab Name: TestAmerica Burlington | Contract: 64536.01.01 | SDG No.: KAL482

Lab Code: TALVT | Case No.: KZOO | Lab Sample ID: 811393

Matrix: SOIL | Client: BBLKAL | Date Received: 10/23/09

% Solids: 70.7

Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
9045	Soil pH (std. units)	10/24/09	BLKPH102409A	pH Units	1	0.0	5.8	
IN623	Solids, Percent	10/24/09		%	1	0.10	70.7	

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Method Blank Report Summary

Lab Name: TestAmerica Burlington | Contract: 64536.01.01 | SDG No.: KAL482

Lab Code: TALVT | Case No.: KZOO

Matrix: SOIL | Client: BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKPH102409A	9045	Soil pH (std. units)	5.7	pH Units		1	0.0	10/24/09	BLKPH102409A

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: TestAmerica Burlington **Contract:** 64536.01.01 **SDG No.:** KAL482

Lab Code: TALVT **Case No.:** KZOO

Matrix: SOIL **Client:** BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Rec.	Control Limit
LCSPH102409A	9045	Soil pH (std. units)	10/24/09	BLKPH102409A	pH Units	6.0	6.0	100	99-101

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Geotechnical

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

TS10048

Lab Name: TestAmerica Burlington

Contract: 64536.01.01

SDG No.: KAL482

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 811393

Matrix: SOIL

Client: BBLKAL

Date Received: 10/23/09

% Solids: 70.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
D2974	Organic Soils	10/30/09		%	1	0.0	22.1	

Printed on: 11/09/09 10:09 PM

ASTM Method D2974: Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils
Calculations

Client Code: BBLKAL
ETR: 134333
SDG: KAL482

Start Date: 10/30/09
Start Time: 2200
End Date: 11/07/09
Analyst: MAP

Laboratory Number	Weight of Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Pan+ Ashed Sample (g)	Wet Sample (g)	Dry Sample (g)	Organic Matter (g)	Moisture Content (%)	Organic Matter (%)	Ash Content (%)
811393	4.14	115.34	82.54	65.19	111.20	78.40	17.35	41.8	22.1	77.9

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

SOW No.: _____

EPA Sample No.	Lab Sample ID.
TS10048	811393
TS10048D	811393DP
TS10048S	811393MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10048

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Lab Sample ID: 811393

Level (low/med): LOW Date Received: 10/23/09

% Solids: 70.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.028	U		P
7440-38-2	Arsenic	17.3		NE	P
7440-39-3	Barium	96.8		E	P
7440-43-9	Cadmium	0.39	B		P
7440-47-3	Chromium	9.1		E	P
7439-97-6	Mercury	0.086			CV
7439-92-1	Lead	12.2			P
7782-49-2	Selenium	1.2	B		P

Color Before: dark brown Clarity Before: Texture: medium

Color After: brown Clarity After: cloudy Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.15	105.0	5.0	5.27	105.4	5.49	109.8	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	484.40	96.9	100.0	97.64	97.6	96.61	96.6	P
Arsenic	250.0	264.10	105.6	100.0	104.70	104.7	102.50	102.5	P
Barium	500.0	487.10	97.4	200.0	199.80	99.9	198.50	99.2	P
Cadmium	500.0	482.40	96.5	100.0	98.79	98.8	97.75	97.8	P
Chromium	500.0	486.00	97.2	200.0	192.90	96.4	189.90	95.0	P
Lead	1000.0	1011.00	101.1	400.0	414.30	103.6	423.30	105.8	P
Selenium	250.0	250.80	100.3	100.0	101.30	101.3	102.40	102.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZ00 SAS No.: SDG No.: KAL482

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver				100.0	97.31	97.3			P
Arsenic				100.0	103.80	103.8			P
Barium				200.0	198.10	99.0			P
Cadmium				100.0	97.70	97.7			P
Chromium				200.0	187.80	93.9			P
Lead				400.0	430.00	107.5			P
Selenium				100.0	96.39	96.4			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	8.45	84.5		
Arsenic				10.0	8.54	85.4		
Barium				200.0	189.80	94.9		
Cadmium				5.0	4.02	80.4		
Chromium				10.0	8.53	85.3		
Lead				10.0	10.02	100.2		
Selenium				35.0	29.73	84.9		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	-0.2	B	-0.2	B			0.017	U	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.3	U	-0.8	B	-0.7	B	0.3	U	0.026	U	P
Arsenic	1.3	B	0.9	U	0.9	U	0.9	U	-0.159	B	P
Barium	3.0	B	1.8	U	1.9	B	1.8	U	0.305	B	P
Cadmium	0.1	U	0.1	U	0.1	B	-0.1	B	0.011	B	P
Chromium	0.1	B	0.1	B	0.1	B	0.1	B	0.026	B	P
Lead	1.2	B	0.9	U	0.9	U	0.9	U	0.090	U	P
Selenium	-1.4	B	1.1	U	1.1	U	1.1	U	0.110	U	P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	208	-1	201.7	97.0			
Arsenic	0	95	-4	99.8	105.1			
Barium	0	481	1	478.5	99.5			
Cadmium	0	987	1	972.3	98.5			
Chromium	0	486	0	478.5	98.5			
Lead	0	48	0	53.5	111.5			
Selenium	0	52	7	53.4	102.7			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10048S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 70.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	80 - 120	5.6517		0.0277	U	6.04	93.6		P
Arsenic	80 - 120	26.9466		17.3028		4.84	199.3	N	P
Barium	80 - 120	340.3088		96.8085		241.78	100.7		P
Cadmium	80 - 120	6.0869		0.3921	B	6.04	94.3		P
Chromium	80 - 120	34.0067		9.0906		24.18	103.0		P
Lead		17.6018		12.2194		2.42	222.4		P
Selenium	80 - 120	7.2922		1.2475	B	6.04	100.1		P

Comments:

6

DUPLICATES

SAMPLE NO.

TS10048D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 70.7 % Solids for Duplicate: 70.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Silver		0.0277	U	0.0294	U			P
Arsenic		17.3028		19.5530		12.2		P
Barium	21.3	96.8085		110.7101		13.4		P
Cadmium		0.3921	B	0.4296	B	9.1		P
Chromium		9.0906		9.8636		8.2		P
Lead		12.2194		14.0877		14.2		P
Selenium		1.2475	B	1.5661	B	22.6		P

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	25.6		20.0	30.0	102.4
Arsenic				24.0	25.3		19.2	28.8	105.4
Barium				200.0	201.8		160.0	240.0	100.9
Cadmium				25.0	24.5		20.0	30.0	98.0
Chromium				20.0	20.2		16.0	24.0	101.0
Lead				22.0	24.1		17.6	26.4	109.5
Selenium				25.0	24.2		20.0	30.0	96.8

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

TS10048L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.26	U	1.30	U			P
Arsenic	162.70		182.50		12.2	E	P
Barium	910.30		1019.00		11.9	E	P
Cadmium	3.69	B	4.21	B	14.1		P
Chromium	85.48		96.49		12.9	E	P
Lead	114.90		125.60		9.3		P
Selenium	11.73	B	15.30	B	30.4		P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: Date: 10/12/09

Flame AA ID Number: Leeman Hydra AA (2)

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 10/05/09

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.26	P
Arsenic	189.042		10	0.95	P
Barium	493.409		200	1.8	P
Cadmium	226.502		5	0.091	P
Chromium	267.716		10	0.067	P
Lead	220.353		10	0.90	P
Selenium	196.026		35	1.1	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0006600	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0743217	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0001518	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001225
Molybdenum	202.030	0.0447130	0.0042559	0.0018500	0.0086269	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0024136	-0.0001264
Vanadium	292.402	0.0000000	0.0000000	0.0083899	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000169	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0105618	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0001866
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0129523	0.0000000	0.0000000	0.0000000	0.0001258
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0003715	0.0290852	0.0000000	0.0000000	-0.0023139
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000374
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0006516	0.0000000	0.0020829
Vanadium	292.402	0.0000000	0.0000000	0.0007609	0.0000991	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0003811	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000111	0.0000000	0.0000000	0.0000421
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000168	0.0000000	0.0000000
Manganese	257.610	0.0001367	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0007021	0.0005166	0.0000000	0.0000000	0.0002643
Nickel	231.604	-0.0001397	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000840	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000795	0.0000000	0.0000162	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0005832	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0017004	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0087800	0.0000000	0.0016815	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0023884
Copper	324.754	-0.0007823	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000226	0.0000318	0.0000147	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0002184	0.0000000	0.0009629	0.0000000	0.0005791
Molybdenum	202.030	-0.0023731	-0.0007787	0.0001642	0.0067559	0.0000000
Nickel	231.604	0.0002095	-0.0001417	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0049112	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0006655	-0.0002595	0.0000000	0.0066419	-0.0010827
Vanadium	292.402	-0.0000610	-0.0028037	0.0000000	0.0015099	-0.0002663
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000127			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0003952			
Iron	271.441	0.0000319	0.0000814			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000303			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0161925	-0.0001384			
Nickel	231.604	0.0000000	0.0061855			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0011538	-0.0005608			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 10/01/09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	2000.0	P

Comments:

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS110309A	11/03/09	0.50	50.0
PBS110309A	11/03/09	0.30	50.0
TS10048	11/03/09	0.34	50.0

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS111109B	11/11/09	1.00	100.0
PBS111109B2	11/11/09	1.00	100.0
TS10048	11/11/09	1.33	100.0
TS10048D	11/11/09	1.25	100.0
TS10048S	11/11/09	1.17	100.0

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID Number: Leeman Hydra AA (2) Method: CV

Start Date: 11/03/09 End Date: 11/03/09

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1727																X									
S0.2	1.00	1730																X									
S0.5	1.00	1732																X									
S1	1.00	1735																X									
S5	1.00	1737																X									
S10	1.00	1739																X									
ICV	1.00	1741																X									
ICB	1.00	1744																X									
CCV	1.00	1746																X									
CCB	1.00	1748																X									
PBS110309A	1.00	1751																X									
LCSS110309A	1.00	1753																X									
ZZZZZZ	1.00	1755																									
TS10048	1.00	1757																X									
ZZZZZZ	1.00	1800																									
ZZZZZZ	1.00	1802																									
ZZZZZZ	1.00	1804																									
ZZZZZZ	1.00	1806																									
ZZZZZZ	1.00	1809																									
CCV	1.00	1812																X									
CCB	1.00	1814																X									

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 11/13/09 End Date: 11/13/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1042				X	X		X		X				X						X	X					
STD7	1.00	1046																									
STD8	1.00	1050				X									X						X						
STD4	1.00	1053					X		X		X											X					
ICV	1.00	1057				X	X		X		X				X						X	X					
ICB	1.00	1101				X	X		X		X				X						X	X					
ICSA	1.00	1105				X	X		X		X				X						X	X					
ICSAB	1.00	1109				X	X		X		X				X						X	X					
CRI	1.00	1113				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1117																									
CCV	1.00	1121				X	X		X		X				X						X	X					
CCB	1.00	1125				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1129																									
PBS111109B2	1.00	1132				X	X		X		X				X						X	X					
LCSS111109B	1.00	1135				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1138																									
ZZZZZZ	5.00	1142																									
ZZZZZZ	1.00	1146																									
ZZZZZZ	1.00	1150																									
ZZZZZZ	1.00	1154																									
TS10048	1.00	1157				X	X		X		X				X						X	X					
TS10048L	5.00	1201				X	X		X		X				X						X	X					
CCV	1.00	1205				X	X		X		X				X						X	X					
CCB	1.00	1209				X	X		X		X				X						X	X					
TS10048S	1.00	1213				X	X		X		X				X						X	X					
TS10048D	1.00	1217				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1221																									
ZZZZZZ	1.00	1225																									
ZZZZZZ	1.00	1229																									
ZZZZZZ	5.00	1233																									
ZZZZZZ	1.00	1236																									
ZZZZZZ	5.00	1240																									
ZZZZZZ	1.00	1244																									
ZZZZZZ	1.00	1248																									
CCV	1.00	1252				X	X		X		X				X						X	X					
CCB	1.00	1256				X	X		X		X				X						X	X					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 811393I2

Level: (low/med) LOW Date Received: 10/23/09

% Moisture: 29 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/03/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	460	U
62-75-9	N-Nitrosodimethylamine	460	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
100-51-6	Benzyl Alcohol	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
65-85-0	Benzoic Acid	1100	U
120-83-2	2,4-Dichlorophenol	57	J
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	40	J
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 811393I2

Level: (low/med) LOW Date Received: 10/23/09

% Moisture: 29 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/03/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	460	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	460	U
86-73-7	Fluorene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-nitrosodiphenylamine (1)	460	U
103-33-3	Azobenzene	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	460	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	58	JB
56-55-3	Benzo(a)anthracene	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 811393I2

Level: (low/med) LOW Date Received: 10/23/09

% Moisture: 29 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/03/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK102709B

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	320	U
62-75-9	N-Nitrosodimethylamine	320	U
62-53-3	Aniline	810	U
108-95-2	Phenol	320	U
111-44-4	bis(2-Chloroethyl)Ether	320	U
95-57-8	2-Chlorophenol	320	U
541-73-1	1,3-Dichlorobenzene	320	U
106-46-7	1,4-Dichlorobenzene	320	U
100-51-6	Benzyl Alcohol	320	U
95-50-1	1,2-Dichlorobenzene	320	U
95-48-7	2-Methylphenol	320	U
108-60-1	2,2'-oxybis(1-Chloropropane)	320	U
106-44-5	4-Methylphenol	320	U
621-64-7	N-Nitroso-di-n-propylamine	320	U
67-72-1	Hexachloroethane	320	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	320	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)methane	320	U
65-85-0	Benzoic Acid	810	U
120-83-2	2,4-Dichlorophenol	320	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	320	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	320	U
59-50-7	4-Chloro-3-methylphenol	320	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	320	U
95-95-4	2,4,5-Trichlorophenol	810	U
91-58-7	2-Chloronaphthalene	320	U
88-74-4	2-Nitroaniline	810	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK102709B

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	320	U
208-96-8	Acenaphthylene	320	U
606-20-2	2,6-Dinitrotoluene	320	U
99-09-2	3-Nitroaniline	810	U
83-32-9	Acenaphthene	320	U
51-28-5	2,4-Dinitrophenol	810	U
132-64-9	Dibenzofuran	320	U
100-02-7	4-Nitrophenol	810	U
121-14-2	2,4-Dinitrotoluene	320	U
86-73-7	Fluorene	320	U
84-66-2	Diethylphthalate	16	J
7005-72-3	4-Chlorophenyl-phenylether	320	U
100-01-6	4-Nitroaniline	810	U
534-52-1	4,6-Dinitro-2-methylphenol	810	U
86-30-6	N-nitrosodiphenylamine (1)	320	U
103-33-3	Azobenzene	320	U
101-55-3	4-Bromophenyl-phenylether	320	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	320	U
120-12-7	Anthracene	320	U
86-74-8	Carbazole	320	U
84-74-2	Di-n-butylphthalate	110	J
206-44-0	Fluoranthene	320	U
92-87-5	Benzidine	810	U
129-00-0	Pyrene	320	U
85-68-7	Butylbenzylphthalate	130	J
56-55-3	Benzo(a)anthracene	320	U
91-94-1	3,3'-Dichlorobenzidine	320	U
218-01-9	Chrysene	320	U
117-81-7	bis(2-Ethylhexyl)phthalate	4800	E
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo(b)fluoranthene	320	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK102709B

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	320	U
50-32-8	Benzo(a)pyrene	320	U
193-39-5	Indeno(1,2,3-cd)pyrene	320	U
53-70-3	Dibenz(a,h)anthracene	320	U
191-24-2	Benzo(g,h,i)perylene	320	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B102709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: B102709LCS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: Q1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	760	
62-75-9	N-Nitrosodimethylamine	1300	
62-53-3	Aniline	1100	
108-95-2	Phenol	1400	
111-44-4	bis(2-Chloroethyl)Ether	1400	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1200	
106-46-7	1,4-Dichlorobenzene	1200	
100-51-6	Benzyl Alcohol	1400	
95-50-1	1,2-Dichlorobenzene	1200	
95-48-7	2-Methylphenol	1400	
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	
106-44-5	4-Methylphenol	1400	
621-64-7	N-Nitroso-di-n-propylamine	1400	
67-72-1	Hexachloroethane	1200	
98-95-3	Nitrobenzene	1500	
78-59-1	Isophorone	1500	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1400	
111-91-1	bis(2-Chloroethoxy)methane	1400	
65-85-0	Benzoic Acid	1100	
120-83-2	2,4-Dichlorophenol	1400	
120-82-1	1,2,4-Trichlorobenzene	1300	
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	980	
87-68-3	Hexachlorobutadiene	1200	
59-50-7	4-Chloro-3-methylphenol	1600	
91-57-6	2-Methylnaphthalene	1500	
77-47-4	Hexachlorocyclopentadiene	1200	
88-06-2	2,4,6-Trichlorophenol	1300	
95-95-4	2,4,5-Trichlorophenol	1200	
91-58-7	2-Chloronaphthalene	1300	
88-74-4	2-Nitroaniline	1800	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B102709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: B102709LCS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: Q1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1500	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1500	
99-09-2	3-Nitroaniline	940	
83-32-9	Acenaphthene	1400	
51-28-5	2,4-Dinitrophenol	1500	
132-64-9	Dibenzofuran	1400	
100-02-7	4-Nitrophenol	2100	
121-14-2	2,4-Dinitrotoluene	1600	
86-73-7	Fluorene	1500	
84-66-2	Diethylphthalate	1600	B
7005-72-3	4-Chlorophenyl-phenylether	1400	
100-01-6	4-Nitroaniline	1700	
534-52-1	4,6-Dinitro-2-methylphenol	1500	
86-30-6	N-nitrosodiphenylamine (1)	1400	
103-33-3	Azobenzene	1400	
101-55-3	4-Bromophenyl-phenylether	1300	
118-74-1	Hexachlorobenzene	1200	
87-86-5	Pentachlorophenol	1200	
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1500	
84-74-2	Di-n-butylphthalate	1600	B
206-44-0	Fluoranthene	1500	
92-87-5	Benzidine	760	J
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	1700	B
56-55-3	Benzo(a)anthracene	1400	
91-94-1	3,3'-Dichlorobenzidine	1000	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	1600	B
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1600	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B102709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: B102709LCS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: Q1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	
53-70-3	Dibenz(a,h)anthracene	1700	
191-24-2	Benzo(g,h,i)perylene	1800	

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	B102709LCS	73	74	70	64	79	72	70	75	0
02	MBLK102709B	72	74	69	66	76	70	65	74	0
03	TS10048	64	60	60	63	77	80	58	48	0
04										
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06										
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		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - STLVT Sample No.: B102709LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Pyridine	1600		760	48	15-105
N-Nitrosodimethylamine	1600		1300	81	55-125
Aniline	1600		1100	69	10-105
Phenol	1600		1400	88	60-140
bis(2-Chloroethyl)Ether	1600		1400	88	60-125
2-Chlorophenol	1600		1300	81	60-125
1,3-Dichlorobenzene	1600		1200	75	50-115
1,4-Dichlorobenzene	1600		1200	75	55-120
Benzyl Alcohol	1600		1400	88	50-155
1,2-Dichlorobenzene	1600		1200	75	55-120
2-Methylphenol	1600		1400	88	50-135
2,2'-oxybis(1-Chloropro	1600		1500	94	60-130
4-Methylphenol	1600		1400	88	35-140
N-Nitroso-di-n-prop.(1)	1600		1400	88	45-125
Hexachloroethane	1600		1200	75	55-120
Nitrobenzene	1600		1500	94	55-120
Isophorone	1600		1500	94	50-115
2-Nitrophenol	1600		1400	88	55-135
2,4-Dimethylphenol	1600		1400	88	25-150
bis(2-Chloroethoxy)meth	1600		1400	88	55-125
Benzoic Acid	1600		1100	69	25-145
2,4-Dichlorophenol	1600		1400	88	55-130
1,2,4-Trichlorobenzene	1600		1300	81	55-120
Naphthalene	1600		1300	81	55-120
4-Chloroaniline	1600		980	61	10- 90
Hexachlorobutadiene	1600		1200	75	50-130
4-Chloro-3-methylphenol	1600		1600	100	60-140
2-Methylnaphthalene	1600		1500	94	45-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - STLVT Sample No.: B102709LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Hexachlorocyclopentadie	1600		1200	75	30-105
2,4,6-Trichlorophenol	1600		1300	81	60-135
2,4,5-Trichlorophenol	1600		1200	75	60-130
2-Chloronaphthalene	1600		1300	81	45-120
2-Nitroaniline	1600		1800	112	50-125
Dimethylphthalate	1600		1500	94	55-120
Acenaphthylene	1600		1500	94	50-115
2,6-Dinitrotoluene	1600		1500	94	55-130
3-Nitroaniline	1600		940	59	20- 85
Acenaphthene	1600		1400	88	55-120
2,4-Dinitrophenol	1600		1500	94	25-160
Dibenzofuran	1600		1400	88	55-120
4-Nitrophenol	1600		2100	131	30-155
2,4-Dinitrotoluene	1600		1600	100	50-120
Fluorene	1600		1500	94	50-125
Diethylphthalate	1600		1600	100	50-125
4-Chlorophenyl-phenylet	1600		1400	88	50-120
4-Nitroaniline	1600		1700	106	25-115
4,6-Dinitro-2-methylphe	1600		1500	94	55-160
N-nitrosodiphenylamine	1600		1400	88	45-130
Azobenzene	1600		1400	88	60-140
4-Bromophenyl-phenyleth	1600		1300	81	55-130
Hexachlorobenzene	1600		1200	75	55-125
Pentachlorophenol	1600		1200	75	50-140
Phenanthrene	1600		1400	88	60-125
Anthracene	1600		1400	88	60-125
Carbazole	1600		1500	94	55-125
Di-n-butylphthalate	1600		1600	100	50-120

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - STLVT Sample No.: B102709LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Fluoranthene	1600		1500	94	50-120
Benzidine	1600		760	48	10-120
Pyrene	1600		1600	100	35-175
Butylbenzylphthalate	1600		1700	106	65-145
Benzo(a)anthracene	1600		1400	88	55-130
3,3'-Dichlorobenzidine	1600		1000	62	10-120
Chrysene	1600		1400	88	60-125
bis(2-Ethylhexyl)phthal	1600		1600	100	55-140
Di-n-octylphthalate	1600		1500	94	60-135
Benzo(b)fluoranthene	1600		1600	100	45-130
Benzo(k)fluoranthene	1600		1600	100	60-125
Benzo(a)pyrene	1600		1400	88	55-120
Indeno(1,2,3-cd)pyrene	1600		1800	112	55-135
Dibenz(a,h)anthracene	1600		1700	106	35-145
Benzo(g,h,i)perylene	1600		1800	112	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 71 outside limits

COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: B1027B Lab Sample ID: MBLK102709B

Instrument ID: U Date Extracted: 10/27/09

Matrix: (soil/water) SOIL Date Analyzed: 11/02/09

Level:(low/med) LOW Time Analyzed: 1249

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B102709LCS	B102709LCS	Q1027B	11/02/09
02	TS10048	811393	811393I2	11/03/09
03				
04				
05				
06				
07				
08				
09				
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COMMENTS:

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: UGU01PS DFTPP Injection Date: 10/22/09

Instrument ID: U DFTPP Injection Time: 1437

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	61.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	20.0
365	Greater than 1.0% of mass 198	2.26
441	Present, but less than mass 443	12.6
442	Greater than 40.0% of mass 198	79.4
443	17.0 - 23.0% of mass 442	15.3 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD140	SSTD140	UGU140	10/22/09	1531
02	SSTD160	SSTD160	UGU160I2	10/22/09	1605
03	SSTD100	SSTD100	UGU100	10/22/09	1712
04	SSTD080	SSTD080	UGU080	10/22/09	1745
05	SSTD050	SSTD050	UGU050	10/22/09	1819
06	SSTD020	SSTD020	UGU020	10/22/09	1852
07	SSTD320	SSTD320	UGU320	10/22/09	1925
08	SSTD120	SSTD120	UGU120I2	10/22/09	1958
09					
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: UGU19PS DFTPP Injection Date: 11/02/09

Instrument ID: U DFTPP Injection Time: 0639

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	79.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	59.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	18.5
365	Greater than 1.0% of mass 198	2.23
441	Present, but less than mass 443	11.9
442	Greater than 40.0% of mass 198	75.5
443	17.0 - 23.0% of mass 442	14.7 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD100	SSTD100	UGU100F	11/02/09	0804
02	B102709LCS	B102709LCS	Q1027B	11/02/09	1213
03	MBLK102709B	MBLK102709B	B1027B	11/02/09	1249
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: UGU27PS DFTPP Injection Date: 11/03/09

Instrument ID: U DFTPP Injection Time: 1410

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	77.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	59.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	19.2
365	Greater than 1.0% of mass 198	2.22
441	Present, but less than mass 443	10.9
442	Greater than 40.0% of mass 198	68.8
443	17.0 - 23.0% of mass 442	13.3 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGU080G2	11/03/09	1432
02	TS10048	811393	811393I2	11/03/09	1730
03					
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6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugua020.d RRF50 =ugua050.d
RRF80 =ugua080.d RRF100=ugua100.d RRF120=ugua120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Pyridine	1.716	1.700	1.690	1.728	1.710		
N-Nitrosodimethylamine	0.965	1.013	0.981	0.947	0.950		
Aniline		2.221	2.130	2.161	2.084		
Phenol *	1.918	1.919	1.847	1.921	1.855		*
bis(2-Chloroethyl)Ether	1.456	1.506	1.468	1.499	1.462		
2-Chlorophenol	1.523	1.587	1.556	1.594	1.535		
1,3-Dichlorobenzene	1.577	1.616	1.565	1.558	1.536		
1,4-Dichlorobenzene *	1.602	1.650	1.598	1.624	1.580		*
Benzyl Alcohol	0.776	0.916	0.924	0.941	0.884		
1,2-Dichlorobenzene	1.514	1.564	1.503	1.510	1.458		
2-Methylphenol	1.165	1.208	1.190	1.203	1.155		
2,2'-oxybis(1-Chloropropane	2.299	2.321	2.250	2.253	2.193		
4-Methylphenol	1.531	1.592	1.529	1.588	1.503		
N-Nitroso-di-n-propylamine #	1.217	1.262	1.208	1.253	1.210		#
Hexachloroethane	0.692	0.711	0.698	0.712	0.696		
Nitrobenzene	0.391	0.404	0.406	0.403	0.388		
Isophorone	0.755	0.775	0.756	0.770	0.743		
2-Nitrophenol *	0.212	0.222	0.220	0.223	0.212		*
2,4-Dimethylphenol	0.334	0.351	0.352	0.353	0.334		
bis(2-Chloroethoxy)methane	0.446	0.462	0.453	0.450	0.428		
Benzoic Acid		0.237	0.250	0.258	0.259		
2,4-Dichlorophenol *	0.268	0.282	0.279	0.284	0.269		*
1,2,4-Trichlorobenzene	0.294	0.299	0.295	0.301	0.284		
Naphthalene	1.076	1.069	1.049	1.026	0.982		
4-Chloroaniline	0.472	0.475	0.453	0.448	0.423		
Hexachlorobutadiene *	0.162	0.165	0.165	0.170	0.161		*
4-Chloro-3-methylphenol *	0.292	0.307	0.282	0.283	0.266		*
2-Methylnaphthalene	0.205	0.212	0.206	0.210	0.198		
Hexachlorocyclopentadiene #	0.318	0.357	0.368	0.381	0.380		#
2,4,6-Trichlorophenol *	0.400	0.421	0.427	0.440	0.418		*
2,4,5-Trichlorophenol		0.422	0.432	0.452	0.477		
2-Chloronaphthalene	0.533	0.547	0.552	0.559	0.543		
2-Nitroaniline		0.449	0.424	0.417	0.404		
Dimethylphthalate	1.354	1.342	1.308	1.317	1.281		
Acenaphthylene	1.998	1.980	1.952	1.890	1.906		
2,6-Dinitrotoluene	0.343	0.340	0.334	0.326	0.332		
3-Nitroaniline		0.400	0.396	0.393	0.385		

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugua020.d RRF50 =ugua050.d
RRF80 =ugua080.d RRF100=ugua100.d RRF120=ugua120.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Acenaphthene	*	1.142	1.146	1.140	1.140	1.098		*
2,4-Dinitrophenol	#		0.167	0.177	0.191	0.197		#
Dibenzofuran		1.662	1.658	1.614	1.624	1.558		
4-Nitrophenol	#		0.243	0.246	0.255	0.256		#
2,4-Dinitrotoluene		0.423	0.416	0.408	0.396	0.392		
Fluorene		1.295	1.250	1.203	1.189	1.140		
Diethylphthalate		1.412	1.415	1.370	1.357	1.307		
4-Chlorophenyl-phenylether		0.641	0.624	0.633	0.634	0.602		
4-Nitroaniline			0.356	0.335	0.332	0.321		
4,6-Dinitro-2-methylphenol			0.134	0.142	0.150	0.153		
N-nitrosodiphenylamine (1)	*	0.660	0.681	0.695	0.714	0.696		*
Azobenzene		0.366	0.367	0.364	0.355	0.344		
4-Bromophenyl-phenylether		0.227	0.238	0.242	0.253	0.246		
Hexachlorobenzene		0.248	0.258	0.264	0.269	0.258		
Pentachlorophenol	*		0.134	0.141	0.152	0.142		*
Phenanthrene		1.069	1.059	1.034	1.042	0.988		
Anthracene		1.042	1.038	1.029	0.999	0.981		
Carbazole		0.937	0.916	0.873	0.872	0.886		
Di-n-butylphthalate		1.374	1.375	1.307	1.254	1.310		
Fluoranthene	*	0.958	0.879	0.847	0.844	0.832		*
Benzidine			0.381	0.324	0.300	0.321		
Pyrene		1.759	1.696	1.546	1.481	1.368		
Butylbenzylphthalate		0.806	0.774	0.733	0.717	0.689		
Benzo(a)anthracene		1.109	1.126	1.112	1.145	1.086		
3,3'-Dichlorobenzidine		0.354	0.355	0.346	0.342	0.338		
Chrysene		1.083	1.082	1.073	1.066	1.045		
bis(2-Ethylhexyl)phthalate		1.034	1.058	0.994	0.971	0.935		
Di-n-octylphthalate	*	1.275	1.398	1.473	1.497	1.504		*
Benzo(b)fluoranthene		0.925	1.165	0.953	0.969	0.942		
Benzo(k)fluoranthene		1.407	1.245	1.344	1.336	1.306		
Benzo(a)pyrene	*	1.015	1.051	1.084	1.072	1.071		*
Indeno(1,2,3-cd)pyrene		0.863	1.040	1.107	1.155	1.206		
Dibenz(a,h)anthracene		0.692	0.863	0.933	0.984	0.997		
Benzo(g,h,i)perylene		0.740	0.868	0.903	0.939	0.971		
2-Fluorophenol		1.577	1.566	1.508	1.523	1.476		

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugua020.d RRF50 =ugua050.d
RRF80 =ugua080.d RRF100=ugua100.d RRF120=ugua120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Phenol-d5	2.027	1.960	1.890	1.932	1.876		
2-Chlorophenol-d4	1.653	1.628	1.572	1.590	1.558		
1,2-Dichlorobenzene-d4	1.076	1.042	1.000	1.001	0.968		
Nitrobenzene-d5	0.449	0.434	0.434	0.430	0.414		
2-Fluorobiphenyl	1.523	1.455	1.462	1.450	1.406		
2,4,6-Tribromophenol	0.243	0.238	0.239	0.244	0.219		
Terphenyl-d14	1.367	1.231	1.114	1.095	0.959		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugua140.d RRF160=ugua160.d
RRF320=ugu320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Pyridine	1.727	1.670				1.706	1.2
N-Nitrosodimethylamine	0.975	0.981				0.973	2.3
Aniline	2.085	2.054				2.122	2.9
Phenol *	1.864	1.778				1.872	2.8*
bis(2-Chloroethyl)Ether	1.520	1.466				1.482	1.7
2-Chlorophenol	1.580	1.539				1.559	1.8
1,3-Dichlorobenzene	1.523	1.502				1.554	2.4
1,4-Dichlorobenzene *	1.563	1.541				1.594	2.3*
Benzyl Alcohol	0.955	0.931				0.904	6.7
1,2-Dichlorobenzene	1.468	1.416				1.490	3.2
2-Methylphenol	1.184	1.162				1.181	1.8
2,2'-oxybis(1-Chloropropane	2.156	2.106				2.225	3.5
4-Methylphenol	1.543	1.528				1.545	2.1
N-Nitroso-di-n-propylamine #	1.192	1.145				1.212	3.2#
Hexachloroethane	0.688	0.673				0.696	1.9
Nitrobenzene	0.402	0.379				0.396	2.6
Isophorone	0.755	0.727				0.754	2.1
2-Nitrophenol *	0.215	0.206				0.216	3.0*
2,4-Dimethylphenol	0.346	0.335				0.344	2.6
bis(2-Chloroethoxy)methane	0.441	0.430				0.444	2.8
Benzoic Acid	0.263	0.262	0.301			0.261	7.5
2,4-Dichlorophenol *	0.270	0.261				0.273	3.2*
1,2,4-Trichlorobenzene	0.289	0.280				0.292	2.6
Naphthalene	0.979	0.931				1.016	5.3
4-Chloroaniline	0.425	0.404				0.443	6.0
Hexachlorobutadiene *	0.161	0.157				0.163	2.6*
4-Chloro-3-methylphenol *	0.275	0.262				0.281	5.5*
2-Methylnaphthalene	0.203	0.195				0.204	3.1
Hexachlorocyclopentadiene #	0.395	0.388				0.370	7.0#
2,4,6-Trichlorophenol *	0.446	0.437				0.427	3.7*
2,4,5-Trichlorophenol	0.444	0.436				0.444	4.3
2-Chloronaphthalene	0.567	0.544				0.549	2.0
2-Nitroaniline	0.413	0.383				0.415	5.2
Dimethylphthalate	1.266	1.215				1.298	3.7
Acenaphthylene	1.875	1.814				1.916	3.4
2,6-Dinitrotoluene	0.326	0.322				0.332	2.3
3-Nitroaniline	0.388	0.369				0.388	2.8

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugua140.d RRF160=ugua160.d
RRF320=ugu320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Acenaphthene *	1.095	1.081				1.120	2.5*
2,4-Dinitrophenol #	0.203	0.196				0.188	7.2#
Dibenzofuran	1.579	1.502				1.600	3.6
4-Nitrophenol #	0.256	0.252				0.251	2.2#
2,4-Dinitrotoluene	0.382	0.379				0.399	4.2
Fluorene	1.132	1.109				1.188	5.7
Diethylphthalate	1.295	1.272				1.347	4.2
4-Chlorophenyl-phenylether	0.607	0.601				0.620	2.7
4-Nitroaniline	0.315	0.304				0.327	5.5
4,6-Dinitro-2-methylphenol	0.153	0.155				0.148	5.6
N-nitrosodiphenylamine (1) *	0.689	0.706				0.692	2.6*
Azobenzene	0.357	0.336				0.356	3.3
4-Bromophenyl-phenylether	0.244	0.257				0.244	4.0
Hexachlorobenzene	0.259	0.266				0.260	2.6
Pentachlorophenol *	0.151	0.155				0.146	5.5*
Phenanthrene	0.987	0.985				1.023	3.5
Anthracene	0.964	0.992				1.006	3.0
Carbazole	0.844	0.856				0.883	3.7
Di-n-butylphthalate	1.215	1.248				1.298	4.8
Fluoranthene *	0.806	0.810				0.854	6.1*
Benzidine	0.316	0.277				0.320	10.9
Pyrene	1.381	1.256				1.498	12.2
Butylbenzylphthalate	0.677	0.661				0.722	7.3
Benzo(a)anthracene	1.102	1.069				1.107	2.3
3,3'-Dichlorobenzidine	0.324	0.334				0.342	3.1
Chrysene	1.022	0.963				1.048	4.1
bis(2-Ethylhexyl)phthalate	0.926	0.902				0.974	5.9
Di-n-octylphthalate *	1.502	1.472				1.446	5.8*
Benzo(b)fluoranthene	1.041	0.938				0.990	8.7
Benzo(k)fluoranthene	1.074	1.226				1.277	8.5
Benzo(a)pyrene *	1.036	1.017				1.049	2.6*
Indeno(1,2,3-cd)pyrene	1.180	1.136				1.098	10.6
Dibenz(a,h)anthracene	1.028	0.950				0.921	12.4
Benzo(g,h,i)perylene	0.937	0.849				0.887	8.7
2-Fluorophenol	1.484	1.457				1.513	3.0

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugua140.d RRF160=ugua160.d
RRF320=ugu320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Phenol-d5	1.849	1.793				1.904	4.0
2-Chlorophenol-d4	1.563	1.531				1.585	2.7
1,2-Dichlorobenzene-d4	0.952	0.923				0.994	5.3
Nitrobenzene-d5	0.425	0.404				0.427	3.4
2-Fluorobiphenyl	1.438	1.399				1.448	2.8
2,4,6-Tribromophenol	0.228	0.227				0.234	4.1
Terphenyl-d14	0.994	0.910				1.096	14.7

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/02/09 Time: 0804

Lab File ID: UGU100F Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
Pyridine	1.706	1.725		1.1	
N-Nitrosodimethylamine	0.973	0.976		0.3	
Aniline	2.122	2.098		1.1	
Phenol	1.872	1.873		0.0	20.0
bis(2-Chloroethyl)Ether	1.482	1.466		1.1	
2-Chlorophenol	1.559	1.498		3.9	
1,3-Dichlorobenzene	1.554	1.487		4.3	
1,4-Dichlorobenzene	1.594	1.507		5.4	20.0
Benzyl Alcohol	0.904	0.904		0.0	
1,2-Dichlorobenzene	1.490	1.419		4.8	
2-Methylphenol	1.181	1.126		4.6	
2,2'-oxybis(1-Chloropropane)	2.225	2.430		9.2	
4-Methylphenol	1.545	1.484		3.9	
N-Nitroso-di-n-propylamine	1.212	1.261	0.05	4.0	
Hexachloroethane	0.696	0.683		1.9	
Nitrobenzene	0.396	0.419		5.8	
Isophorone	0.754	0.773		2.5	
2-Nitrophenol	0.216	0.212		1.8	20.0
2,4-Dimethylphenol	0.344	0.358		4.1	
bis(2-Chloroethoxy)methane	0.444	0.443		0.2	
Benzoic Acid	0.261	0.242		7.3	
2,4-Dichlorophenol	0.273	0.255		6.6	20.0
1,2,4-Trichlorobenzene	0.292	0.266		8.9	
Naphthalene	1.016	0.952		6.3	
4-Chloroaniline	0.443	0.411		7.2	
Hexachlorobutadiene	0.163	0.150		8.0	20.0
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.204	0.214		4.9	
Hexachlorocyclopentadiene	0.370	0.371	0.05	0.3	
2,4,6-Trichlorophenol	0.427	0.399		6.6	20.0
2,4,5-Trichlorophenol	0.444	0.390		12.2	
2-Chloronaphthalene	0.549	0.552		0.5	
2-Nitroaniline	0.415	0.482		16.1	
Dimethylphthalate	1.298	1.268		2.3	
Acenaphthylene	1.916	1.916		0.0	
2,6-Dinitrotoluene	0.332	0.323		2.7	
3-Nitroaniline	0.388	0.392		1.0	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/02/09 Time: 0804

Lab File ID: UGU100F Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
Acenaphthene	1.120	1.091		2.6	20.0
2,4-Dinitrophenol	0.188	0.199	0.05	5.8	
Dibenzofuran	1.600	1.526		4.6	
4-Nitrophenol	0.251	0.312	0.05	24.3	
2,4-Dinitrotoluene	0.399	0.396		0.8	
Fluorene	1.188	1.144		3.7	
Diethylphthalate	1.347	1.354		0.5	
4-Chlorophenyl-phenylether	0.620	0.580		6.4	
4-Nitroaniline	0.327	0.354		8.2	
4,6-Dinitro-2-methylphenol	0.148	0.150		1.4	
N-nitrosodiphenylamine	0.692	0.667		3.6	20.0
Azobenzene	0.356	0.328		7.9	
4-Bromophenyl-phenylether	0.244	0.217		11.1	
Hexachlorobenzene	0.260	0.221		15.0	
Pentachlorophenol	0.146	0.135		7.5	20.0
Phenanthrene	1.023	0.962		6.0	
Anthracene	1.006	0.965		4.1	
Carbazole	0.883	0.858		2.8	
Di-n-butylphthalate	1.298	1.284		1.1	
Fluoranthene	0.854	0.818		4.2	20.0
Benzidine	0.320	0.480		50.0	
Pyrene	1.498	1.606		7.2	
Butylbenzylphthalate	0.722	0.767		6.2	
Benzo(a)anthracene	1.107	1.094		1.2	
3,3'-Dichlorobenzidine	0.342	0.368		7.6	
Chrysene	1.048	0.998		4.8	
bis(2-Ethylhexyl)phthalate	0.974	1.010		3.7	
Di-n-octylphthalate	1.446	1.563		8.1	20.0
Benzo(b)fluoranthene	0.990	1.010		2.0	
Benzo(k)fluoranthene	1.277	1.096		14.2	
Benzo(a)pyrene	1.049	1.006		4.1	20.0
Indeno(1,2,3-cd)pyrene	1.098	1.359		23.8	
Dibenz(a,h)anthracene	0.921	1.095		18.9	
Benzo(g,h,i)perylene	0.887	1.205		35.8	
2-Fluorophenol	1.513	1.562		3.2	
Phenol-d5	1.904	1.977		3.8	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/02/09 Time: 0804

Lab File ID: UGU100F Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.585	1.583		0.1	
1,2-Dichlorobenzene-d4	0.994	0.974		2.0	
Nitrobenzene-d5	0.427	0.462		8.2	
2-Fluorobiphenyl	1.448	1.434		1.0	
2,4,6-Tribromophenol	0.234	0.215		8.1	
Terphenyl-d14	1.096	1.155		5.4	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/03/09 Time: 1432

Lab File ID: UGU080G2 Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Pyridine	1.706	1.536		10.0	
N-Nitrosodimethylamine	0.973	0.927		4.7	
Aniline	2.122	1.873		11.7	
Phenol	1.872	1.719		8.2	20.0
bis(2-Chloroethyl)Ether	1.482	1.437		3.0	
2-Chlorophenol	1.559	1.419		9.0	
1,3-Dichlorobenzene	1.554	1.458		6.2	
1,4-Dichlorobenzene	1.594	1.475		7.5	20.0
Benzyl Alcohol	0.904	0.850		6.0	
1,2-Dichlorobenzene	1.490	1.379		7.4	
2-Methylphenol	1.181	1.045		11.5	
2,2'-oxybis(1-Chloropropane)	2.225	2.312		3.9	
4-Methylphenol	1.545	1.357		12.2	
N-Nitroso-di-n-propylamine	1.212	1.079	0.05	11.0	
Hexachloroethane	0.696	0.674		3.2	
Nitrobenzene	0.396	0.403		1.8	
Isophorone	0.754	0.671		11.0	
2-Nitrophenol	0.216	0.199		7.9	20.0
2,4-Dimethylphenol	0.344	0.327		4.9	
bis(2-Chloroethoxy)methane	0.444	0.420		5.4	
Benzoic Acid	0.261	0.180		31.0	
2,4-Dichlorophenol	0.273	0.248		9.2	20.0
1,2,4-Trichlorobenzene	0.292	0.268		8.2	
Naphthalene	1.016	0.955		6.0	
4-Chloroaniline	0.443	0.362		18.3	
Hexachlorobutadiene	0.163	0.149		8.6	20.0
4-Chloro-3-methylphenol	0.281	0.246		12.4	20.0
2-Methylnaphthalene	0.204	0.188		7.8	
Hexachlorocyclopentadiene	0.370	0.399	0.05	7.8	
2,4,6-Trichlorophenol	0.427	0.407		4.7	20.0
2,4,5-Trichlorophenol	0.444	0.383		13.7	
2-Chloronaphthalene	0.549	0.574		4.6	
2-Nitroaniline	0.415	0.431		3.8	
Dimethylphthalate	1.298	1.110		14.5	
Acenaphthylene	1.916	1.849		3.5	
2,6-Dinitrotoluene	0.332	0.273		17.8	
3-Nitroaniline	0.388	0.319		17.8	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/03/09 Time: 1432

Lab File ID: UGU080G2 Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Acenaphthene	1.120	1.060		5.4	20.0
2,4-Dinitrophenol	0.188	0.148	0.05	21.3	
Dibenzofuran	1.600	1.461		8.7	
4-Nitrophenol	0.251	0.242	0.05	3.6	
2,4-Dinitrotoluene	0.399	0.308		22.8	
Fluorene	1.188	1.033		13.0	
Diethylphthalate	1.347	1.119		16.9	
4-Chlorophenyl-phenylether	0.620	0.525		15.3	
4-Nitroaniline	0.327	0.259		20.8	
4,6-Dinitro-2-methylphenol	0.148	0.135		8.8	
N-nitrosodiphenylamine	0.692	0.667		3.6	20.0
Azobenzene	0.356	0.285		19.9	
4-Bromophenyl-phenylether	0.244	0.219		10.2	
Hexachlorobenzene	0.260	0.220		15.4	
Pentachlorophenol	0.146	0.119		18.5	20.0
Phenanthrene	1.023	0.957		6.4	
Anthracene	1.006	0.952		5.4	
Carbazole	0.883	0.828		6.2	
Di-n-butylphthalate	1.298	1.164		10.3	
Fluoranthene	0.854	0.799		6.4	20.0
Benzidine	0.320	0.380		18.8	
Pyrene	1.498	1.231		17.8	
Butylbenzylphthalate	0.722	0.626		13.3	
Benzo(a)anthracene	1.107	0.992		10.4	
3,3'-Dichlorobenzidine	0.342	0.381		11.4	
Chrysene	1.048	0.916		12.6	
bis(2-Ethylhexyl)phthalate	0.974	0.865		11.2	
Di-n-octylphthalate	1.446	1.570		8.6	20.0
Benzo(b)fluoranthene	0.990	0.889		10.2	
Benzo(k)fluoranthene	1.277	1.222		4.3	
Benzo(a)pyrene	1.049	1.001		4.6	20.0
Indeno(1,2,3-cd)pyrene	1.098	1.238		12.8	
Dibenz(a,h)anthracene	0.921	1.015		10.2	
Benzo(g,h,i)perylene	0.887	1.059		19.4	
2-Fluorophenol	1.513	1.541		1.8	
Phenol-d5	1.904	1.883		1.1	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/03/09 Time: 1432

Lab File ID: UGU080G2 Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.585	1.555		1.9	
1,2-Dichlorobenzene-d4	0.994	0.985		0.9	
Nitrobenzene-d5	0.427	0.459		7.5	
2-Fluorobiphenyl	1.448	1.546		6.8	
2,4,6-Tribromophenol	0.234	0.186		20.5	
Terphenyl-d14	1.096	0.892		18.6	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU100F Date Analyzed: 11/02/09

Instrument ID: U Time Analyzed: 0804

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	373568	6.53	1517622	8.48	640461	11.30
	UPPER LIMIT	747136	7.03	3035244	8.98	1280922	11.80
	LOWER LIMIT	186784	6.03	758811	7.98	320230	10.80
	STLVT SAMPLE NO.						
01	B102709LCS	424071	6.54	1651937	8.49	714573	11.31
02	MBLK102709B	446037	6.54	1743025	8.47	749155	11.29
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU100F Date Analyzed: 11/02/09

Instrument ID: U Time Analyzed: 0804

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	953652	13.65	501227	17.81	545685	19.73
	UPPER LIMIT	1907304	14.15	1002454	18.31	1091370	20.23
	LOWER LIMIT	476826	13.15	250614	17.31	272842	19.23
	STLVT SAMPLE NO.						
01	B102709LCS	1125639	13.65	646130	17.82	496618	19.72
02	MBLK102709B	1197903	13.65	668881	17.81	523495	19.71
03							
04							
05							
06							
07							
08							
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10							
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12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU080G2 Date Analyzed: 11/03/09

Instrument ID: U Time Analyzed: 1432

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	422662	6.51	1598502	8.46	580162	11.28
	UPPER LIMIT	845324	7.01	3197004	8.96	1160324	11.78
	LOWER LIMIT	211331	6.01	799251	7.96	290081	10.78
	STLVT SAMPLE NO.						
01	TS10048	492557	6.51	1630556	8.45	531644	11.26
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU080G2 Date Analyzed: 11/03/09

Instrument ID: U Time Analyzed: 1432

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	721160	13.62	487828	17.80	531551	19.71
	UPPER LIMIT	1442320	14.12	975656	18.30	1063102	20.21
	LOWER LIMIT	360580	13.12	243914	17.30	265776	19.21
	STLVT SAMPLE NO.						
01	TS10048	646739	13.62	617212	17.79	658833	19.70
02							
03							
04							
05							
06							
07							
08							
09							
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12							
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14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10048

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL482

Phase Type: SOIL Lab Sample ID: 811393

Phase Weight: 10.47 (g) Date Received: 10/23/09

Injection Volume: 1.0 (uL) Date Extracted: 10/30/09

Dilution Factor: 1.0 Date Analyzed: 11/10/09

% Solids: 71 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	67	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	67	U
53469-21-9	Aroclor-1242	67	U
12672-29-6	Aroclor-1248	67	U
11097-69-1	Aroclor-1254	67	U
11096-82-5	Aroclor-1260	67	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK130B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL482

Phase Type: SOIL Lab Sample ID: PBLK130B

Phase Weight: 10.98 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 10/30/09

Dilution Factor: 1.0 Date Analyzed: 11/10/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS130B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL482

Phase Type: SOIL Lab Sample ID: PLCS130B

Phase Weight: 10.97 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 10/30/09

Dilution Factor: 1.0 Date Analyzed: 11/10/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	290	
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	300	
11096-82-5	Aroclor-1260	46	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL482

EPA SAMPLE NO.	TCX 1 % REC #	TCX 2 % REC #	DCB 1 % REC #	DCB 2 % REC #
PBLK130B	63	62	72	70
PLCS130B	68	66	70	68
TS10048	67	67	70	69

	Project Specific QC Limits
TCX = Tetrachloro-meta-Xylene	(60 - 150)
DCB = Decachlorobiphenyl	(60 - 150)

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL482

EPA SAMPLE NO.: PLCS130B

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	456	290	64	39-150
Aroclor 1254	456	303	66	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK130B	SDG:	KAL482
Matrix:	SOIL	Level:	LOW
Date Extracted:	10/30/09	Date Analyzed(2):	11/10/09
Date Analyzed(1):	11/10/09	Time Analyzed(2):	04:36
Time Analyzed(1):	04:36	GC ID(2):	HP2624
GC ID(1):	HP2624	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS130B	PLCS130B	11/10/09	11/10/09
811393	TS10048	11/10/09	11/10/09

2624_110309F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	3-Nov-09	17:35 to
GC:	HP-2624		4-Nov-09	7:01
Col. 1:	RTX-5			
Col. 2:	RTX-35	File:	49,50 03NOV091610	

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		48.7	99.9	200	398	803	
	Cal Fact	0.974	0.999	1.000	0.995	1.004	1.2
	% Diff	3	0	0	1	0	
Aroclor 1221		52.1	100	221	422	762	
	Cal Fact	1.042	1.000	1.105	1.055	0.953	5.6
	% Diff	-4	0	-11	-6	5	
Aroclor 1232		49.0	95.8	222	394	790	
	Cal Fact	0.980	0.958	1.110	0.985	0.988	6.0
	% Diff	2	4	-11	2	1	
Aroclor 1242		44.3	93.9	195	389	828	
	Cal Fact	0.886	0.939	0.975	0.973	1.035	5.7
	% Diff	11	6	3	3	-4	
Aroclor 1248		49.7	99.8	198	399	803	
	Cal Fact	0.994	0.998	0.990	0.998	1.004	0.5
	% Diff	1	0	1	0	0	
Aroclor 1254		50.3	103	205	403	789	
	Cal Fact	1.006	1.030	1.025	1.008	0.986	1.7
	% Diff	-1	-3	-3	-1	1	
Aroclor 1260		48.3	103	208	401	790	
	Cal Fact	0.966	1.030	1.040	1.003	0.988	3.0
	% Diff	3	-3	-4	0	1	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL482F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID:	STL-VT					
GC:	HP2624	Initial Calib.	49,50 03NOV091610			
Col. 1:	RTX-5	date/time:	11/3/2009	17:35	to	
Col. 2:	RTX-35		11/4/2009	7:01		

Check Standard File: 49,50 09NOV091529,27 — Date: 11/10/2009 Time: 1:50

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	201	0.5

Check Standard File: 49,50 09NOV091529,28 — Date: 11/10/2009 Time: 2:14

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	198	1.0

Check Standard File: 49,50 09NOV091955,10 — Date: 11/10/2009 Time: 6:11

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	197	1.5

Check Standard File: 49,50 09NOV091955,11 — Date: 11/10/2009 Time: 6:35

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	199	0.5

Check Standard File: — Date: Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File: — Date: Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL482
Initial Calib. Date: 03-NOV-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	3-Nov-2009 17:35	4.08	14.93	
AR1016 100ppb	AR1016 100	3-Nov-2009 17:59	4.07	14.92	
AR1016 200ppb	AR1016 200	3-Nov-2009 18:23	4.07	14.92	
AR1016 400ppb	AR1016 400	3-Nov-2009 18:47	4.08	14.93	
AR1016 800ppb	AR1016 800	3-Nov-2009 19:10	4.07	14.92	
AR1221 50ppb	AR1221 50	3-Nov-2009 19:34	4.07	14.92	
AR1221 100ppb	AR1221 100	3-Nov-2009 19:58	4.07	14.92	
AR1221 200ppb	AR1221 200	3-Nov-2009 20:21	4.07	14.92	
AR1221 400ppb	AR1221 400	3-Nov-2009 20:45	4.07	14.92	
AR1221 800ppb	AR1221 800	3-Nov-2009 21:09	4.08	14.93	
AR1232 50ppb	AR1232 50	3-Nov-2009 21:33	4.08	14.93	
AR1232 100ppb	AR1232 100	3-Nov-2009 21:56	4.07	14.92	
AR1232 200ppb	AR1232 200	3-Nov-2009 22:20	4.07	14.92	
AR1232 400ppb	AR1232 400	3-Nov-2009 22:44	4.08	14.93	
AR1232 800ppb	AR1232 800	3-Nov-2009 23:07	4.08	14.93	
AR1242 50ppb	AR1242 50	3-Nov-2009 23:31	4.08	14.93	
AR1242 100ppb	AR1242 100	3-Nov-2009 23:55	4.08	14.93	
AR1242 200ppb	AR1242 200	4-Nov-2009 00:19	4.06	14.91	
AR1242 400ppb	AR1242 400	4-Nov-2009 00:42	4.07	14.92	
AR1242 800ppb	AR1242 800	4-Nov-2009 01:06	4.08	14.93	
AR1248 50ppb	AR1248 50	4-Nov-2009 01:30	4.07	14.92	
AR1248 100ppb	AR1248 100	4-Nov-2009 01:53	4.07	14.92	
AR1248 200ppb	AR1248 200	4-Nov-2009 02:17	4.08	14.92	
AR1248 400ppb	AR1248 400	4-Nov-2009 02:41	4.07	14.92	
AR1248 800ppb	AR1248 800	4-Nov-2009 03:04	4.08	14.93	
AR1254 50ppb	AR1254 50	4-Nov-2009 03:28	4.07	14.92	
AR1254 100ppb	AR1254 100	4-Nov-2009 03:52	4.07	14.92	
AR1254 200ppb	AR1254 200	4-Nov-2009 04:16	4.06	14.91	
AR1254 400ppb	AR1254 400	4-Nov-2009 04:39	4.08	14.93	
AR1254 800ppb	AR1254 800	4-Nov-2009 05:03	4.07	14.92	
AR1260 50ppb	AR1260 50	4-Nov-2009 05:27	4.07	14.92	
AR1260 100ppb	AR1260 100	4-Nov-2009 05:50	4.07	14.92	
AR1260 200ppb	AR1260 200	4-Nov-2009 06:14	4.07	14.92	
AR1260 400ppb	AR1260 400	4-Nov-2009 06:38	4.07	14.92	
AR1260 800ppb	AR1260 800	4-Nov-2009 07:01	4.06	14.91	
AR1248 200	AR1248 200	10-Nov-2009 01:50	4.07	14.92	
AR1260 200	AR1260 200	10-Nov-2009 02:14	4.07	14.92	
PBLK130B	PBLK130B	10-Nov-2009 04:36	4.07	14.92	
PLCS130B	PLCS130B	10-Nov-2009 05:00	4.06	14.91	
811393	TS10048	10-Nov-2009 05:24	4.06	14.90	
AR1248 200	AR1248 200	10-Nov-2009 06:11	4.06	14.91	
AR1242 200	AR1242 200	10-Nov-2009 06:35	4.07	14.91	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.07	TCX:Tetrachloro-meta-xylene	(▪ 0.04 minutes)
DCB: 14.92	DCB:Decachlorobiphenyl	(▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL482
Initial Calib. Date: 03-NOV-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	3-Nov-2009 17:35	4.56	16.07	
AR1016 100ppb	AR1016 100	3-Nov-2009 17:59	4.54	16.05	
AR1016 200ppb	AR1016 200	3-Nov-2009 18:23	4.57	16.08	
AR1016 400ppb	AR1016 400	3-Nov-2009 18:47	4.56	16.06	
AR1016 800ppb	AR1016 800	3-Nov-2009 19:10	4.55	16.06	
AR1221 50ppb	AR1221 50	3-Nov-2009 19:34	4.55	16.06	
AR1221 100ppb	AR1221 100	3-Nov-2009 19:58	4.56	16.07	
AR1221 200ppb	AR1221 200	3-Nov-2009 20:21	4.54	16.06	
AR1221 400ppb	AR1221 400	3-Nov-2009 20:45	4.56	16.07	
AR1221 800ppb	AR1221 800	3-Nov-2009 21:09	4.55	16.06	
AR1232 50ppb	AR1232 50	3-Nov-2009 21:33	4.56	16.08	
AR1232 100ppb	AR1232 100	3-Nov-2009 21:56	4.55	16.06	
AR1232 200ppb	AR1232 200	3-Nov-2009 22:20	4.55	16.06	
AR1232 400ppb	AR1232 400	3-Nov-2009 22:44	4.57	16.08	
AR1232 800ppb	AR1232 800	3-Nov-2009 23:07	4.56	16.07	
AR1242 50ppb	AR1242 50	3-Nov-2009 23:31	4.55	16.06	
AR1242 100ppb	AR1242 100	3-Nov-2009 23:55	4.56	16.07	
AR1242 200ppb	AR1242 200	4-Nov-2009 00:19	4.55	16.06	
AR1242 400ppb	AR1242 400	4-Nov-2009 00:42	4.55	16.06	
AR1242 800ppb	AR1242 800	4-Nov-2009 01:06	4.55	16.06	
AR1248 50ppb	AR1248 50	4-Nov-2009 01:30	4.57	16.08	
AR1248 100ppb	AR1248 100	4-Nov-2009 01:53	4.55	16.06	
AR1248 200ppb	AR1248 200	4-Nov-2009 02:17	4.55	16.06	
AR1248 400ppb	AR1248 400	4-Nov-2009 02:41	4.56	16.06	
AR1248 800ppb	AR1248 800	4-Nov-2009 03:04	4.56	16.07	
AR1254 50ppb	AR1254 50	4-Nov-2009 03:28	4.55	16.06	
AR1254 100ppb	AR1254 100	4-Nov-2009 03:52	4.55	16.06	
AR1254 200ppb	AR1254 200	4-Nov-2009 04:16	4.54	16.05	
AR1254 400ppb	AR1254 400	4-Nov-2009 04:39	4.55	16.06	
AR1254 800ppb	AR1254 800	4-Nov-2009 05:03	4.56	16.06	
AR1260 50ppb	AR1260 50	4-Nov-2009 05:27	4.55	16.06	
AR1260 100ppb	AR1260 100	4-Nov-2009 05:50	4.55	16.06	
AR1260 200ppb	AR1260 200	4-Nov-2009 06:14	4.55	16.06	
AR1260 400ppb	AR1260 400	4-Nov-2009 06:38	4.56	16.06	
AR1260 800ppb	AR1260 800	4-Nov-2009 07:01	4.54	16.04	
AR1248 200	AR1248 200	10-Nov-2009 01:50	4.55	16.05	
AR1260 200	AR1260 200	10-Nov-2009 02:14	4.55	16.05	
PBLK130B	PBLK130B	10-Nov-2009 04:36	4.55	16.05	
PLCS130B	PLCS130B	10-Nov-2009 05:00	4.54	16.04	
811393	TS10048	10-Nov-2009 05:24	4.54	16.04	
AR1248 200	AR1248 200	10-Nov-2009 06:11	4.55	16.05	
AR1242 200	AR1242 200	10-Nov-2009 06:35	4.56	16.06	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.55 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 16.06 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 28NOV091119-R101

% Moisture: 29 decanted: (Y/N) N Date Received: 10/23/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 11/29/09

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	48	U
319-85-7	beta-BHC	48	U
319-86-8	delta-BHC	48	U
58-89-9	gamma-BHC (Lindane)	48	U
76-44-8	Heptachlor	48	U
309-00-2	Aldrin	48	U
1024-57-3	Heptachlor epoxide	48	U
959-98-8	Endosulfan I	48	U
60-57-1	Dieldrin	560	
72-55-9	4,4'-DDE	300	
72-20-8	Endrin	96	U
33213-65-9	Endosulfan II	96	U
72-54-8	4,4'-DDD	150	
1031-07-8	Endosulfan sulfate	120	
50-29-3	4,4'-DDT	770	
72-43-5	Methoxychlor	480	U
53494-70-5	Endrin ketone	96	U
7421-93-4	Endrin aldehyde	96	U
57-74-9	Chlordane	480	U
8001-35-2	Toxaphene	4800	U
5103-74-2	gamma-Chlordane	48	U
5103-71-9	alpha-Chlordane	48	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK103009A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK103009A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 28NOV091119-R081

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 11/29/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	1.6	U
5103-71-9	alpha-Chlordane	1.6	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: A103009LCS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 28NOV091119-R091

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 11/29/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.1	
319-85-7	beta-BHC	4.4	
319-86-8	delta-BHC	4.3	
58-89-9	gamma-BHC (Lindane)	4.3	
76-44-8	Heptachlor	4.4	
309-00-2	Aldrin	4.2	
1024-57-3	Heptachlor epoxide	4.1	
959-98-8	Endosulfan I	4.2	
60-57-1	Dieldrin	8.8	
72-55-9	4,4'-DDE	8.9	
72-20-8	Endrin	8.8	
33213-65-9	Endosulfan II	8.8	
72-54-8	4,4'-DDD	9.0	
1031-07-8	Endosulfan sulfate	8.4	
50-29-3	4,4'-DDT	9.0	
72-43-5	Methoxychlor	46	
53494-70-5	Endrin ketone	8.9	
7421-93-4	Endrin aldehyde	7.7	
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	4.2	
5103-71-9	alpha-Chlordane	4.5	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK103009A	78	78	75	81			0
02	A103009LCS	59	59	56*	62			1
03	TS10048	50D	60	53D	76			0
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - Sample No.: A103009LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.6		4.1	62	55-130
beta-BHC	6.6		4.4	67	60-130
delta-BHC	6.6		4.3	65	50-135
gamma-BHC (Lindane)	6.6		4.3	65	55-135
Heptachlor	6.6		4.4	67	60-135
Aldrin	6.6		4.2	64	55-135
Heptachlor epoxide	6.6		4.1	62	60-130
Endosulfan I	6.6		4.2	64	55-125
Dieldrin	13		8.8	68	60-145
4,4'-DDE	13		8.9	68	60-145
Endrin	13		8.8	68	60-145
Endosulfan II	13		8.8	68	55-125
4,4'-DDD	13		9.0	69	60-145
Endosulfan sulfate	13		8.4	65	40-140
4,4'-DDT	13		9.0	69	60-155
Methoxychlor	66		46	70	65-145
Endrin ketone	13		8.9	68	65-145
Endrin aldehyde	13		7.7	59	15-110
gamma-Chlordane	6.6		4.2	64	60-140
alpha-Chlordane	6.6		4.5	68	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS:

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK103009A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: MBLK103009A Lab File ID: 28NOV091119-R081

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 10/30/09

Date Analyzed (1): 11/29/09 Date Analyzed (2): 11/29/09

Time Analyzed (1): 1809 Time Analyzed (2): 1809

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	A103009LCS	A103009LCS	11/29/09	11/29/09
02	TS10048	811393	11/29/09	11/29/09
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_2 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1245 1602

LAB FILE ID: RF1: 28NOV091116-RRF2: 28NOV091116-RRF3: 28NOV091116-R
RF4: 28NOV091116-RRF5: 28NOV091116-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	342.000	354.900	382.600	395.450	419.125
beta-BHC	163.600	152.000	152.450	144.375	144.288
delta-BHC	317.600	326.300	350.350	362.300	376.312
gamma-BHC (Lindane)	336.000	334.600	358.200	369.525	379.712
Heptachlor	308.400	298.900	318.450	327.950	340.575
Aldrin	320.800	310.100	334.800	335.725	355.700
Heptachlor epoxide	324.400	300.200	329.700	320.675	336.275
Endosulfan I	305.600	286.000	302.350	299.975	306.938
Dieldrin	297.300	298.050	327.775	323.912	331.631
4,4'-DDE	292.800	295.350	333.125	319.650	331.288
Endrin	252.300	247.500	279.550	271.338	280.438
Endosulfan II	269.800	262.500	278.100	280.112	284.112
4,4'-DDD	238.900	231.400	265.175	252.250	261.606
Endosulfan sulfate	238.400	230.750	255.575	242.288	253.050
4,4'-DDT	238.200	230.100	273.650	260.688	274.038
Methoxychlor	135.040	129.580	143.265	131.890	127.284
Endrin ketone	303.400	289.850	324.950	309.388	314.412
Endrin aldehyde	206.900	204.950	220.850	211.550	225.344
Chlordane	6.800	6.250	6.740	6.482	6.952
(2)	36.580	34.980	37.760	38.430	41.508
(3)	29.060	27.260	28.875	29.065	31.035
(4)	31.480	30.060	31.605	31.965	33.975
(5)	11.940	11.250	11.670	11.522	12.654
Toxaphene	4.236	3.977	4.486	4.448	4.680
(2)	3.710	3.352	3.822	3.662	3.920
(3)	4.476	4.206	4.970	4.836	5.136
(4)	4.054	3.728	4.524	4.436	4.625
(5)	4.442	4.020	4.769	4.718	4.963
Mirex	142.400	120.650	120.500	107.250	106.356
gamma-Chlordane	325.600	304.900	330.300	330.375	340.975
alpha-Chlordane	299.600	273.800	293.750	286.800	296.225
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	215.400	206.700	207.550	207.275	210.288
Decachlorobiphenyl	306.800	266.400	266.550	241.700	246.438

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_2 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1245 1602

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	378.815000	8.182	20.000	
beta-BHC	AVRG	151.342500	5.226	20.000	
delta-BHC	AVRG	346.572500	7.062	20.000	
gamma-BHC (Lindane)	AVRG	355.607500	5.637	20.000	
Heptachlor	AVRG	318.855000	5.110	20.000	
Aldrin	AVRG	331.425000	5.197	20.000	
Heptachlor epoxide	AVRG	322.250000	4.236	20.000	
Endosulfan I	AVRG	300.172500	2.792	20.000	
Dieldrin	AVRG	315.733750	5.293	20.000	
4,4'-DDE	AVRG	314.442500	6.144	20.000	
Endrin	AVRG	266.225000	5.789	20.000	
Endosulfan II	AVRG	274.925000	3.161	20.000	
4,4'-DDD	AVRG	249.866250	5.797	20.000	
Endosulfan sulfate	AVRG	244.012500	4.228	20.000	
4,4'-DDT	AVRG	255.335000	7.940	20.000	
Methoxychlor	AVRG	133.411750	4.655	20.000	
Endrin ketone	AVRG	308.400000	4.228	20.000	
Endrin aldehyde	AVRG	213.918750	4.141	20.000	
Chlordane	AVRG	6.64500000	4.190	20.000	
(2)	AVRG	37.8515000	6.413	20.000	
(3)	AVRG	29.0590000	4.609	20.000	
(4)	AVRG	31.8170000	4.424	20.000	
(5)	AVRG	11.8072500	4.530	20.000	
Toxaphene	AVRG	4.36545000	6.147	20.000	
(2)	AVRG	3.69315000	5.832	20.000	
(3)	AVRG	4.72475000	8.007	20.000	
(4)	AVRG	4.27345000	8.744	20.000	
(5)	AVRG	4.58235000	7.973	20.000	
Mirex	AVRG	119.431250	12.202	20.000	
gamma-Chlordane	AVRG	326.430000	4.071	20.000	
alpha-Chlordane	AVRG	290.035000	3.523	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	209.442500	1.722	20.000	
Decachlorobiphenyl	AVRG	265.577500	9.669	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_1 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1245 1602

LAB FILE ID: RF1: 28NOV091116-RRF2: 28NOV091116-RRF3: 28NOV091116-R
RF4: 28NOV091116-RRF5: 28NOV091116-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	365.000	354.800	408.100	421.825	450.338
beta-BHC	183.800	176.300	177.950	179.650	186.700
delta-BHC	389.800	406.800	463.550	494.625	517.112
gamma-BHC (Lindane)	407.800	423.000	462.250	483.350	515.038
Heptachlor	388.400	406.200	445.800	464.025	492.188
Aldrin	391.000	405.600	444.300	469.350	492.238
Heptachlor epoxide	377.800	396.100	440.200	446.525	473.438
Endosulfan I	356.800	364.100	395.950	403.525	420.088
Dieldrin	373.700	399.900	454.150	463.012	451.931
4,4'-DDE	367.300	399.100	449.350	446.912	458.038
Endrin	306.500	323.800	382.825	382.900	390.181
Endosulfan II	321.300	339.950	378.450	370.000	372.450
4,4'-DDD	304.400	318.950	363.700	373.275	371.306
Endosulfan sulfate	286.700	308.200	354.750	341.988	361.775
4,4'-DDT	311.800	325.400	397.800	387.912	397.044
Methoxychlor	179.180	187.150	210.600	183.715	174.526
Endrin ketone	363.400	395.900	458.525	432.262	441.631
Endrin aldehyde	247.800	257.650	309.650	298.350	313.350
Chlordane	8.080	7.810	8.260	8.050	8.765
(2)	40.680	40.570	45.085	45.845	50.189
(3)	39.240	38.560	41.965	43.420	46.578
(4)	8.000	7.800	7.940	7.975	8.821
(5)	14.920	14.380	15.715	15.625	18.691
Toxaphene	2.736	2.701	3.074	3.110	3.428
(2)	7.752	7.578	8.980	9.204	9.653
(3)	5.590	5.400	6.453	6.493	7.046
(4)	5.812	5.504	6.952	6.742	7.374
(5)	7.024	6.523	7.996	7.811	8.558
Mirex	152.400	144.150	155.525	138.488	147.000
gamma-Chlordane	378.000	391.800	433.450	440.850	462.912
alpha-Chlordane	340.200	348.100	381.700	383.150	396.738
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	224.200	212.400	223.950	228.775	234.738
Decachlorobiphenyl	383.000	388.800	392.900	379.575	406.812

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_1 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1245 1602

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	400.012500	9.956	20.000	
beta-BHC	AVRG	180.880000	2.369	20.000	
delta-BHC	AVRG	454.377500	12.091	20.000	
gamma-BHC (Lindane)	AVRG	458.287500	9.548	20.000	
Heptachlor	AVRG	439.322500	9.615	20.000	
Aldrin	AVRG	440.497500	9.626	20.000	
Heptachlor epoxide	AVRG	426.812500	9.140	20.000	
Endosulfan I	AVRG	388.092500	6.912	20.000	
Dieldrin	AVRG	428.538750	9.201	20.000	
4,4'-DDE	AVRG	424.140000	9.253	20.000	
Endrin	AVRG	357.241250	10.923	20.000	
Endosulfan II	AVRG	356.430000	6.917	20.000	
4,4'-DDD	AVRG	346.326250	9.311	20.000	
Endosulfan sulfate	AVRG	330.682500	9.698	20.000	
4,4'-DDT	AVRG	363.991250	11.510	20.000	
Methoxychlor	AVRG	187.034250	7.488	20.000	
Endrin ketone	AVRG	418.343750	9.159	20.000	
Endrin aldehyde	AVRG	285.360000	10.688	20.000	
Chlordane	AVRG	8.19300000	4.365	20.000	
(2)	AVRG	44.4737500	9.032	20.000	
(3)	AVRG	41.9525000	7.762	20.000	
(4)	AVRG	8.10725000	5.015	20.000	
(5)	AVRG	15.8662500	10.530	20.000	
Toxaphene	AVRG	3.00980000	9.963	20.000	
(2)	AVRG	8.63330000	10.640	20.000	
(3)	AVRG	6.19635000	11.055	20.000	
(4)	AVRG	6.47682500	12.180	20.000	
(5)	AVRG	7.58220000	10.649	20.000	
Mirex	AVRG	147.512500	4.562	20.000	
gamma-Chlordane	AVRG	421.402500	8.395	20.000	
alpha-Chlordane	AVRG	369.977500	6.610	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	224.812500	3.650	20.000	
Decachlorobiphenyl	AVRG	390.217500	2.718	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_1 Calibration Date: 11/29/09 Time: 1906

Lab File ID: 28NOV091119-R1 Init. Calib. Date(s): 11/29/09 11/29/09

Init. Calib. Times: 1245 1342

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	400.013	422.350		5.6	15.0
beta-BHC	180.880	182.200		0.7	15.0
delta-BHC	454.377	471.650		3.8	15.0
gamma-BHC (Lindane)	458.288	470.350		2.6	15.0
Heptachlor	439.323	438.200		0.2	15.0
Aldrin	440.498	439.100		0.3	15.0
Heptachlor epoxide	426.813	419.950		1.6	15.0
Endosulfan I	388.093	380.100		2.0	15.0
Dieldrin	428.539	422.050		1.5	15.0
4,4'-DDE	424.140	426.175		0.5	15.0
Endrin	357.241	347.925		2.6	15.0
Endosulfan II	356.430	346.850		2.7	15.0
4,4'-DDD	346.326	340.675		1.6	15.0
Endosulfan sulfate	330.683	303.800		8.1	15.0
4,4'-DDT	363.991	341.450		6.2	15.0
Methoxychlor	187.034	176.645		5.6	15.0
Endrin ketone	418.344	390.225		6.7	15.0
Endrin aldehyde	285.360	269.050		5.7	15.0
Mirex	147.513	133.450		9.5	15.0
gamma-Chlordane	421.402	410.250		2.6	15.0
alpha-Chlordane	369.978	360.000		2.7	15.0
Tetrachloro-m-xylene	224.813	233.150		3.7	15.0
Decachlorobiphenyl	390.217	345.550		11.4	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_2 Calibration Date: 11/29/09 Time: 1906

Lab File ID: 28NOV091119-R1 Init. Calib. Date(s): 11/29/09 11/29/09

Init. Calib. Times: 1245 1342

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	378.815	388.550		2.6	15.0
beta-BHC	151.343	152.850		1.0	15.0
delta-BHC	346.572	356.250		2.8	15.0
gamma-BHC (Lindane)	355.607	364.750		2.6	15.0
Heptachlor	318.855	325.800		2.2	15.0
Aldrin	331.425	336.450		1.5	15.0
Heptachlor epoxide	322.250	330.300		2.5	15.0
Endosulfan I	300.173	309.950		3.2	15.0
Dieldrin	315.734	332.025		5.2	15.0
4,4'-DDE	314.443	335.350		6.6	15.0
Endrin	266.225	272.550		2.4	15.0
Endosulfan II	274.925	288.450		4.9	15.0
4,4'-DDD	249.866	262.950		5.2	15.0
Endosulfan sulfate	244.013	251.175		2.9	15.0
4,4'-DDT	255.335	267.275		4.7	15.0
Methoxychlor	133.412	141.725		6.2	15.0
Endrin ketone	308.400	311.475		1.0	15.0
Endrin aldehyde	213.919	220.925		3.3	15.0
Mirex	119.431	119.675		0.2	15.0
gamma-Chlordane	326.430	335.100		2.6	15.0
alpha-Chlordane	290.035	297.250		2.5	15.0
Tetrachloro-m-xylene	209.443	213.600		2.0	15.0
Decachlorobiphenyl	265.578	263.600		0.7	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 11/29/09 11/29/09

Instrument ID: 0825_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.73 DCB: 7.95

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	11/29/09	1231	2.73	7.95
02	INDA_B-1	INDA_B-1	11/29/09	1245	2.73	7.95
03	INDA_B-2	INDA_B-2	11/29/09	1259	2.73	7.95
04	INDA_B-3	INDA_B-3	11/29/09	1313	2.73	7.95
05	INDA_B-4	INDA_B-4	11/29/09	1327	2.73	7.94
06	INDA_B-5	INDA_B-5	11/29/09	1342	2.73	7.95
07	TOX 500PPB	TOX 500PPB	11/29/09	1356	2.73	7.95
08	TOX 1000PPB	TOX 1000PPB	11/29/09	1410	2.73	7.95
09	TOX 2000PPB	TOX 2000PPB	11/29/09	1424	2.73	7.94
10	TOX 4000PPB	TOX 4000PPB	11/29/09	1438	2.73	7.95
11	TOX 8000PPB	TOX 8000PPB	11/29/09	1452	2.73	7.94
12	T-CHLOR 50	T-CHLOR 50	11/29/09	1506	2.73	7.95
13	T-CHLOR 100	T-CHLOR 100	11/29/09	1520	2.73	7.95
14	T-CHLOR 200	T-CHLOR 200	11/29/09	1534	2.73	7.95
15	T-CHLOR 400	T-CHLOR 400	11/29/09	1548	2.73	7.95
16	T-CHLOR 800	T-CHLOR 800	11/29/09	1602	2.73	7.95
17	INDABICV	INDABICV	11/29/09	1617	2.73	7.95
18	MBLK103009A	MBLK103009A	11/29/09	1809	2.73	7.95
19	A103009LCS	A103009LCS	11/29/09	1823	2.73	7.95
20	TS10048	811393	11/29/09	1838	2.73	7.95
21	BCS	BCS	11/29/09	1852	2.73	7.95
22	INDA_B-3	INDA_B-3	11/29/09	1906	2.73	7.95
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl	(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 11/29/09 11/29/09

Instrument ID: 0825_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.93 DCB: 8.86

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	11/29/09	1231	2.95	8.88
02	INDA_B-1	INDA_B-1	11/29/09	1245	2.93	8.86
03	INDA_B-2	INDA_B-2	11/29/09	1259	2.93	8.87
04	INDA_B-3	INDA_B-3	11/29/09	1313	2.93	8.86
05	INDA_B-4	INDA_B-4	11/29/09	1327	2.94	8.87
06	INDA_B-5	INDA_B-5	11/29/09	1342	2.94	8.87
07	TOX 500PPB	TOX 500PPB	11/29/09	1356	2.95	8.88
08	TOX 1000PPB	TOX 1000PPB	11/29/09	1410	2.93	8.87
09	TOX 2000PPB	TOX 2000PPB	11/29/09	1424	2.94	8.87
10	TOX 4000PPB	TOX 4000PPB	11/29/09	1438	2.94	8.88
11	TOX 8000PPB	TOX 8000PPB	11/29/09	1452	2.95	8.88
12	T-CHLOR 50	T-CHLOR 50	11/29/09	1506	2.94	8.87
13	T-CHLOR 100	T-CHLOR 100	11/29/09	1520	2.94	8.87
14	T-CHLOR 200	T-CHLOR 200	11/29/09	1534	2.94	8.87
15	T-CHLOR 400	T-CHLOR 400	11/29/09	1548	2.94	8.87
16	T-CHLOR 800	T-CHLOR 800	11/29/09	1602	2.95	8.88
17	INDABICV	INDABICV	11/29/09	1617	2.94	8.87
18	MBLK103009A	MBLK103009A	11/29/09	1809	2.95	8.88
19	A103009LCS	A103009LCS	11/29/09	1823	2.94	8.87
20	TS10048	811393	11/29/09	1838	2.94	8.88
21	BCS	BCS	11/29/09	1852	2.95	8.88
22	INDA_B-3	INDA_B-3	11/29/09	1906	2.95	8.88
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: 811393 Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	5.28	5.23	5.33	530	
	2	5.74	5.68	5.78	560	5.5
4,4'-DDE	1	4.98	4.93	5.03	280	
	2	5.55	5.49	5.59	300	6.9
4,4'-DDD	1	5.56	5.51	5.61	130	
	2	6.14	6.08	6.18	150	14
Endosulfan sulfate	1	6.60	6.55	6.65	110	
	2	6.92	6.86	6.96	120	8.7
4,4'-DDT	1	5.84	5.79	5.89	710	
	2	6.48	6.42	6.52	770	8.1
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: A103009LCS Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	3.20	3.15	3.25	4.0	
	2	3.47	3.41	3.51	4.1	2.5
beta-BHC	1	3.54	3.49	3.59	4.3	
	2	3.85	3.79	3.89	4.4	2.3
delta-BHC	1	3.69	3.64	3.74	4.1	
	2	4.13	4.07	4.17	4.3	4.8
gamma-BHC (Lindane)	1	3.47	3.42	3.52	4.2	
	2	3.79	3.73	3.83	4.3	2.4
Heptachlor	1	3.87	3.82	3.92	4.3	
	2	4.21	4.15	4.25	4.4	2.3
Aldrin	1	4.14	4.09	4.19	4.0	
	2	4.52	4.46	4.56	4.2	4.9
Heptachlor epoxide	1	4.69	4.63	4.73	3.9	
	2	5.07	5.01	5.11	4.1	5.0
Endosulfan I	1	5.06	5.01	5.11	4.1	
	2	5.46	5.41	5.51	4.2	2.4

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: A103009LCS Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	5.29	5.23	5.33	8.4	
	2	5.74	5.68	5.78	8.8	4.7
4,4'-DDE	1	4.99	4.93	5.03	8.7	
	2	5.55	5.49	5.59	8.9	2.3
Endrin	1	5.51	5.46	5.56	8.5	
	2	6.06	6.00	6.10	8.8	3.5
Endosulfan II	1	5.73	5.68	5.78	8.2	
	2	6.27	6.21	6.31	8.8	7.1
4,4'-DDD	1	5.56	5.51	5.61	8.4	
	2	6.14	6.08	6.18	9.0	6.9
Endosulfan sulfate	1	6.60	6.55	6.65	7.4	
	2	6.92	6.86	6.96	8.4	13
4,4'-DDT	1	5.84	5.79	5.89	8.1	
	2	6.47	6.42	6.52	9.0	11
Methoxychlor	1	6.33	6.27	6.37	43	
	2	7.20	7.14	7.24	46	6.7

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: A103009LCS Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.89	6.84	6.94	7.9	
	2	7.50	7.44	7.54	8.9	12
Endrin aldehyde	1	6.15	6.10	6.20	6.3	
	2	6.62	6.56	6.66	7.7	20
gamma-Chlordane	1	4.80	4.75	4.85	4.0	
	2	5.25	5.19	5.29	4.2	4.9
alpha-Chlordane	1	4.93	4.87	4.97	4.4	
	2	5.40	5.34	5.44	4.5	2.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

Subcontract Data

ANALYTICAL REPORT

Job Number: 500-22142-1

Job Description: TAL Burlington Workshare - KAL482

For:
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Attention: Mr. Jim Madison

Approved for release.
Eric A. Lang
Project Manager II
11/10/2009 1:11 PM

Eric A. Lang
Project Manager II
eric.lang@testamericainc.com
11/10/2009

cc: Rayburn Lavigne

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-22142-1	TS10048	Solid	10/22/2009 0930	10/29/2009 1030

EXECUTIVE SUMMARY - Detections

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-22142-1	**TS10048**				
Percent Moisture		30	0.10	%	Moisture
Percent Solids		70	0.10	%	Moisture

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CHI	SW846 8260B	
Purge and Trap	TAL CHI		SW846 5030B
Percent Moisture	TAL CHI	EPA Moisture	

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Method	Analyst	Analyst ID
SW846 8260B	Werner, Brian D	BDW
EPA Moisture	Boyd, Cheryl L	CLB

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Client Sample ID: **TS10048**

Lab Sample ID: 500-22142-1 Date Sampled: 10/22/2009 0930
Client Matrix: Solid % Moisture: 29.6 Date Received: 10/29/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 500-74762 Instrument ID: MS16
Preparation: 5030B Lab File ID: 22142-01.D
Dilution: 1.0 Initial Weight/Volume: 5 g
Date Analyzed: 10/30/2009 1125 Final Weight/Volume: 5 mL
Date Prepared: 10/30/2009 1125

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		<7.1		2.1	7.1
Chloromethane		<7.1		1.4	7.1
Vinyl chloride		<7.1		0.71	7.1
Bromomethane		<7.1		1.9	7.1
Chloroethane		<7.1		1.2	7.1
Trichlorofluoromethane		<7.1		0.81	7.1
1,1-Dichloroethene		<7.1		1.2	7.1
Freon TF		<7.1		1.2	7.1
Acetone		<7.1		2.5	7.1
Carbon disulfide		<7.1		1.1	7.1
Methylene Chloride		<7.1		2.7	7.1
trans-1,2-Dichloroethene		<7.1		1.1	7.1
Methyl tert-butyl ether		<7.1		1.2	7.1
1,1-Dichloroethane		<7.1		0.97	7.1
cis-1,2-Dichloroethene		<7.1		1.1	7.1
2-Butanone		<7.1		1.6	7.1
Bromochloromethane		<7.1		1.3	7.1
Chloroform		<7.1		1.1	7.1
1,1,1-Trichloroethane		<7.1		0.89	7.1
Carbon tetrachloride		<7.1		0.87	7.1
Benzene		<7.1		1.1	7.1
1,2-Dichloroethane		<7.1		1.2	7.1
Trichloroethene		<7.1		0.80	7.1
1,2-Dichloropropane		<7.1		1.0	7.1
Bromodichloromethane		<7.1		1.0	7.1
cis-1,3-Dichloropropene		<7.1		0.98	7.1
4-Methyl-2-pentanone (MIBK)		<7.1		0.74	7.1
Toluene		<7.1		0.99	7.1
trans-1,3-Dichloropropene		<7.1		0.87	7.1
1,1,2-Trichloroethane		<7.1		1.1	7.1
Tetrachloroethene		<7.1		1.2	7.1
2-Hexanone		<7.1		1.0	7.1
Dibromochloromethane		<7.1		0.81	7.1
1,2-Dibromoethane		<7.1		0.85	7.1
Chlorobenzene		<7.1		1.0	7.1
Ethylbenzene		<7.1		1.0	7.1
Xylenes, Total		<14		1.9	14
Styrene		<7.1		0.82	7.1
Bromoform		<7.1		1.1	7.1
Isopropylbenzene		<7.1		0.99	7.1
1,1,2,2-Tetrachloroethane		<7.1		0.99	7.1
1,3-Dichlorobenzene		<7.1		1.2	7.1
1,4-Dichlorobenzene		<7.1		0.95	7.1
1,2-Dichlorobenzene		<7.1		0.95	7.1
1,2-Dibromo-3-Chloropropane		<7.1		2.1	7.1
1,2,4-Trichlorobenzene		<7.1		2.2	7.1

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Client Sample ID: **TS10048**

Lab Sample ID: 500-22142-1 Date Sampled: 10/22/2009 0930
Client Matrix: Solid % Moisture: 29.6 Date Received: 10/29/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 500-74762 Instrument ID: MS16
Preparation: 5030B Lab File ID: 22142-01.D
Dilution: 1.0 Initial Weight/Volume: 5 g
Date Analyzed: 10/30/2009 1125 Final Weight/Volume: 5 mL
Date Prepared: 10/30/2009 1125

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		<7.1		1.2	7.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		75 - 140
Toluene-d8 (Surr)	101		75 - 132
4-Bromofluorobenzene (Surr)	97		75 - 122
Dibromofluoromethane	118		75 - 140

General Chemistry

Client Sample ID: **TS10048**

Lab Sample ID: 500-22142-1 Date Sampled: 10/22/2009 0930
Client Matrix: Solid Date Received: 10/29/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-75014	Date Analyzed: 11/04/2009 2317						DryWt Corrected: N
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-75014	Date Analyzed: 11/04/2009 2317						DryWt Corrected: N

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
500-22142-1	TS10048	118	118	101	97
MB 500-74762/5		115	114	104	102
LCS 500-74762/6		111	103	105	113
LCSD 500-74762/7		107	103	104	108

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	75-140
DCA = 1,2-Dichloroethane-d4 (Surr)	75-140
TOL = Toluene-d8 (Surr)	75-132
BFB = 4-Bromofluorobenzene (Surr)	75-122

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Method Blank - Batch: 500-74762

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-74762/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0847
Date Prepared: 10/30/2009 0847

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N M
Lab File ID: 16M1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<5.0		1.5	5.0
Chloromethane	<5.0		1.0	5.0
Vinyl chloride	<5.0		0.50	5.0
Bromomethane	<5.0		1.3	5.0
Chloroethane	<5.0		0.87	5.0
Trichlorofluoromethane	<5.0		0.57	5.0
1,1-Dichloroethene	<5.0		0.86	5.0
Freon TF	<5.0		0.82	5.0
Acetone	<5.0		1.8	5.0
Carbon disulfide	<5.0		0.74	5.0
Methylene Chloride	<5.0		1.9	5.0
trans-1,2-Dichloroethene	<5.0		0.77	5.0
Methyl tert-butyl ether	<5.0		0.88	5.0
1,1-Dichloroethane	<5.0		0.68	5.0
cis-1,2-Dichloroethene	<5.0		0.78	5.0
2-Butanone	<5.0		1.2	5.0
Bromochloromethane	<5.0		0.95	5.0
Chloroform	<5.0		0.78	5.0
1,1,1-Trichloroethane	<5.0		0.63	5.0
Carbon tetrachloride	<5.0		0.61	5.0
Benzene	<5.0		0.74	5.0
1,2-Dichloroethane	<5.0		0.88	5.0
Trichloroethene	<5.0		0.56	5.0
1,2-Dichloropropane	<5.0		0.72	5.0
Bromodichloromethane	<5.0		0.71	5.0
cis-1,3-Dichloropropene	<5.0		0.69	5.0
4-Methyl-2-pentanone (MIBK)	<5.0		0.52	5.0
Toluene	<5.0		0.70	5.0
trans-1,3-Dichloropropene	<5.0		0.61	5.0
1,1,2-Trichloroethane	<5.0		0.79	5.0
Tetrachloroethene	<5.0		0.88	5.0
2-Hexanone	<5.0		0.73	5.0
Dibromochloromethane	<5.0		0.57	5.0
1,2-Dibromoethane	<5.0		0.60	5.0
Chlorobenzene	<5.0		0.72	5.0
Ethylbenzene	<5.0		0.72	5.0
Xylenes, Total	<10		1.4	10
Styrene	<5.0		0.58	5.0
Bromoform	<5.0		0.74	5.0
Isopropylbenzene	<5.0		0.70	5.0
1,1,2,2-Tetrachloroethane	<5.0		0.70	5.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Method Blank - Batch: 500-74762

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-74762/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0847
Date Prepared: 10/30/2009 0847

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N M
Lab File ID: 16M1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichlorobenzene	<5.0		0.81	5.0
1,4-Dichlorobenzene	<5.0		0.67	5.0
1,2-Dichlorobenzene	<5.0		0.67	5.0
1,2-Dibromo-3-Chloropropane	<5.0		1.5	5.0
1,2,4-Trichlorobenzene	<5.0		1.5	5.0
1,2,3-Trichlorobenzene	<5.0		0.85	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	75 - 140
Toluene-d8 (Surr)	104	75 - 132
4-Bromofluorobenzene (Surr)	102	75 - 122
Dibromofluoromethane	115	75 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0913
Date Prepared: 10/30/2009 0913

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16S1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 500-74762/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 1338
Date Prepared: 10/30/2009 1338

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16T1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Dichlorodifluoromethane	87	86	43 - 164	1	30		
Chloromethane	99	98	44 - 120	0	30		
Vinyl chloride	83	85	53 - 140	2	30		
Bromomethane	101	102	40 - 154	1	30		
Chloroethane	89	112	48 - 131	22	30		
Trichlorofluoromethane	93	93	44 - 134	0	30		
1,1-Dichloroethene	65	68	53 - 123	5	30		
Freon TF	63	65	41 - 120	3	30		
Acetone	92	97	31 - 140	5	30		
Carbon disulfide	46	45	31 - 120	1	30		
Methylene Chloride	85	89	63 - 120	4	30		
trans-1,2-Dichloroethene	81	83	67 - 120	2	30		
Methyl tert-butyl ether	79	81	57 - 120	3	30		
1,1-Dichloroethane	88	90	69 - 120	2	30		
cis-1,2-Dichloroethene	86	89	75 - 120	3	30		
2-Butanone	97	102	51 - 120	5	30		
Bromochloromethane	79	83	69 - 120	5	30		
Chloroform	94	98	72 - 120	4	30		
1,1,1-Trichloroethane	86	88	65 - 120	2	30		
Carbon tetrachloride	81	80	66 - 120	1	30		
Benzene	86	90	73 - 120	5	30		
1,2-Dichloroethane	92	98	72 - 120	6	30		
Trichloroethene	89	91	76 - 120	3	30		
1,2-Dichloropropane	96	102	73 - 120	6	30		
Bromodichloromethane	89	92	77 - 120	4	30		
cis-1,3-Dichloropropene	84	86	69 - 120	3	30		
4-Methyl-2-pentanone (MIBK)	96	100	58 - 120	5	30		
Toluene	95	98	79 - 120	4	30		
trans-1,3-Dichloropropene	86	88	66 - 120	3	30		
1,1,2-Trichloroethane	102	109	76 - 120	7	30		
Tetrachloroethene	90	92	73 - 120	2	30		
2-Hexanone	109	111	55 - 120	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0913
Date Prepared: 10/30/2009 0913

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16S1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 500-74762/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 1338
Date Prepared: 10/30/2009 1338

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16T1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Dibromochloromethane	94	93	73 - 120	1	30		
1,2-Dibromoethane	99	106	72 - 120	6	30		
Chlorobenzene	100	103	78 - 120	4	30		
Ethylbenzene	102	105	77 - 120	3	30		
o-Xylene	106	108	80 - 120	3	30		
m&p-Xylene	103	107	79 - 120	4	30		
Xylenes, Total	104	108	79 - 120	3	30		
Styrene	108	111	78 - 120	3	30		
Bromoform	94	94	67 - 120	0	30		
Isopropylbenzene	81	83	67 - 120	2	30		
1,1,2,2-Tetrachloroethane	102	108	78 - 120	6	30		
1,3-Dichlorobenzene	103	106	76 - 120	3	30		
1,4-Dichlorobenzene	102	105	75 - 120	3	30		
1,2-Dichlorobenzene	108	113	78 - 120	4	30		
1,2-Dibromo-3-Chloropropane	97	93	64 - 120	4	30		
1,2,4-Trichlorobenzene	117	119	65 - 120	2	30		
1,2,3-Trichlorobenzene	118	119	65 - 120	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	103	75 - 140
Toluene-d8 (Surr)	105	104	75 - 132
4-Bromofluorobenzene (Surr)	113	108	75 - 122
Dibromofluoromethane	111	107	75 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6 Units: ug/Kg LCSD Lab Sample ID: LCSD 500-74762/7

Client Matrix:	Solid	Client Matrix:	Solid
Dilution:	1.0	Dilution:	1.0
Date Analyzed:	10/30/2009 0913	Date Analyzed:	10/30/2009 1338
Date Prepared:	10/30/2009 0913	Date Prepared:	10/30/2009 1338

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dichlorodifluoromethane	50.0	50.0	43.7	43.2
Chloromethane	50.0	50.0	49.3	49.1
Vinyl chloride	50.0	50.0	41.6	42.6
Bromomethane	50.0	50.0	50.5	51.2
Chloroethane	50.0	50.0	44.7	55.9
Trichlorofluoromethane	50.0	50.0	46.7	46.5
1,1-Dichloroethene	50.0	50.0	32.3	34.0
Freon TF	50.0	50.0	31.6	32.6
Acetone	50.0	50.0	46.0	48.5
Carbon disulfide	50.0	50.0	23.0	22.7
Methylene Chloride	50.0	50.0	42.7	44.4
trans-1,2-Dichloroethene	50.0	50.0	40.7	41.4
Methyl tert-butyl ether	50.0	50.0	39.4	40.6
1,1-Dichloroethane	50.0	50.0	43.9	44.9
cis-1,2-Dichloroethene	50.0	50.0	42.8	44.3
2-Butanone	50.0	50.0	48.7	51.0
Bromochloromethane	50.0	50.0	39.4	41.4
Chloroform	50.0	50.0	47.1	49.0
1,1,1-Trichloroethane	50.0	50.0	43.2	44.0
Carbon tetrachloride	50.0	50.0	40.5	40.2
Benzene	50.0	50.0	43.1	45.2
1,2-Dichloroethane	50.0	50.0	46.0	48.9
Trichloroethene	50.0	50.0	44.5	45.7
1,2-Dichloropropane	50.0	50.0	48.1	51.0
Bromodichloromethane	50.0	50.0	44.3	45.9
cis-1,3-Dichloropropene	53.8	53.8	44.9	46.4
4-Methyl-2-pentanone (MIBK)	50.0	50.0	47.8	50.2
Toluene	50.0	50.0	47.3	49.0
trans-1,3-Dichloropropene	48.6	48.6	41.6	43.0
1,1,2-Trichloroethane	50.0	50.0	50.8	54.6
Tetrachloroethene	50.0	50.0	44.9	45.9
2-Hexanone	50.0	50.0	54.6	55.4
Dibromochloromethane	50.0	50.0	46.9	46.6
1,2-Dibromoethane	50.0	50.0	49.6	52.9
Chlorobenzene	50.0	50.0	49.8	51.7
Ethylbenzene	50.0	50.0	51.0	52.5
o-Xylene	50.0	50.0	52.8	54.1
m&p-Xylene	100	100	103	107
Xylenes, Total	150	150	156	161

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0913
Date Prepared: 10/30/2009 0913

Units: ug/Kg

LCSD Lab Sample ID: LCSD 500-74762/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 1338
Date Prepared: 10/30/2009 1338

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Styrene	50.0	50.0	54.0	55.5
Bromoform	50.0	50.0	47.1	47.0
Isopropylbenzene	50.0	50.0	40.7	41.4
1,1,2,2-Tetrachloroethane	50.0	50.0	50.8	53.9
1,3-Dichlorobenzene	50.0	50.0	51.7	53.1
1,4-Dichlorobenzene	50.0	50.0	50.9	52.5
1,2-Dichlorobenzene	50.0	50.0	53.9	56.4
1,2-Dibromo-3-Chloropropane	50.0	50.0	48.6	46.5
1,2,4-Trichlorobenzene	50.0	50.0	58.3	59.3
1,2,3-Trichlorobenzene	50.0	50.0	59.0	59.7

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:500-74762					
LCS 500-74762/6	Lab Control Sample	T	Solid	8260B	
LCSD 500-74762/7	Lab Control Sample Duplicate	T	Solid	8260B	
MB 500-74762/5	Method Blank	T	Solid	8260B	
500-22142-1	TS10048	T	Solid	8260B	

Report Basis
T = Total

General Chemistry					
Analysis Batch:500-75014					
500-22142-1	TS10048	T	Solid	Moisture	

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Laboratory Chronicle

Lab ID: 500-22142-1 **Client ID: TS10048**

Sample Date/Time: 10/22/2009 09:30 Received Date/Time: 10/29/2009 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-22142-B-1		500-74762		10/30/2009 11:25	1	TAL CHI	BDW
A:8260B	500-22142-B-1		500-74762		10/30/2009 11:25	1	TAL CHI	BDW
A:Moisture	500-22142-B-1		500-75014		11/04/2009 23:17	1	TAL CHI	CLB

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 500-74762/5		500-74762		10/30/2009 08:47	1	TAL CHI	BDW
A:8260B	MB 500-74762/5		500-74762		10/30/2009 08:47	1	TAL CHI	BDW

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 500-74762/6		500-74762		10/30/2009 09:13	1	TAL CHI	BDW
A:8260B	LCS 500-74762/6		500-74762		10/30/2009 09:13	1	TAL CHI	BDW

Lab ID: LCSD **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 500-74762/7		500-74762		10/30/2009 13:38	1	TAL CHI	BDW
A:8260B	LCSD 500-74762/7		500-74762		10/30/2009 13:38	1	TAL CHI	BDW

Lab References:
TAL CHI = TestAmerica Chicago

KAR *Laboratories, Inc.*

4425 Manchester Road
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Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***094214***
Date Reported :	***11/05/09***
Date Activated :	***10/22/09***
Date Due :	***11/05/09***
Date Validated :	***11/05/09***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 094214. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

POSITIVE RESULTS SUMMARY REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No.: ***094214***

Date Reported: ***11/05/09***

Project Description: ***Analysis of one soil sample from Plainwell Dam (#B0064536.0001).***

Sample Description: ***"TS10048"***

Test	Positive Result Concentration	Units
TPH by GC-diesel range	150	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *094214*

Date Reported : *11/05/09*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of one soil sample from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10048"*

Sampled By : *MFK of ARCADIS of New York, Inc.*
Sample Date : *10/22/09*
Sample Time : *0930*

Date Received : *10/22/09*
Sample Type : *soil*
KAR Sample No. : *094214-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	72.09	% by weight	SM 2540 B mod.	10/27/09	JAR	
Prep, VOA	Completed		EPA 5035	11/03/09	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	11/03/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	10/30/09	KTL	
Prep, SV BN	Completed		EPA 3545	10/28/09	KTL	
TPH by GC-diesel range	150	mg/kg dry sample	EPA 8270	10/30/09	KTL	
12DCA-D4 (surr spk)	121	% spike recovery	EPA 8260	11/03/09	JAR	
BFB (surr spk)	85	% spike recovery	EPA 8260	11/03/09	JAR	
Toluene-D8 (surr spk)	87	% spike recovery	EPA 8260	11/03/09	JAR	
2FB (surr spk)	63	% spike recovery	EPA 8270	10/30/09	KTL	
Terphenyl D14 (surr spk)	49	% spike recovery	EPA 8270	10/30/09	KTL	

Sample ID : *Laboratory Method Blank-Soil*

Sampled By :
Sample Date :
Sample Time :

Date Received : *10/22/09*
Sample Type : *LMB-soil*
KAR Sample No. : *094214-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	11/03/09	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	11/03/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	10/30/09	KTL	
Prep, SV BN	Completed		EPA 3545	10/28/09	KTL	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	10/30/09	KTL	
12DCA-D4 (surr spk)	123	% spike recovery	EPA 8260	11/03/09	JAR	
BFB (surr spk)	81	% spike recovery	EPA 8260	11/03/09	JAR	
Toluene-D8 (surr spk)	91	% spike recovery	EPA 8260	11/03/09	JAR	
2FB (surr spk)	57	% spike recovery	EPA 8270	10/30/09	KTL	
Terphenyl D14 (surr spk)	64	% spike recovery	EPA 8270	10/30/09	KTL	

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***094214***
Date Reported :	***11/05/09***
Date Activated :	***10/22/09***
Date Due :	***11/05/09***
Date Validated :	***11/05/09***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 094214. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *094214*

Date Reported : *11/05/09*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10048"*

Sampled By : *MFK of ARCADIS of New York, Inc.* **Date Sampled :** *10/22/09* **Sample Type :** *soil*

Date Received : *10/22/09* **Time Sampled :** *0930* **Sample No. :** *094214-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	121 % spike recovery								63-132	NA	EPA 8260	11/03/09	JAR		
2FB (surr spk)	63 % spike recovery								30-115	NA	EPA 8270	10/30/09	KTL		
BFB (surr spk)	85 % spike recovery								88-135	NA	EPA 8260	11/03/09	JAR		
Dry weight solids	72.09 % by weight									5	SM 2540 B mod.	10/27/09	JAR		
Prep, SV BN	Completed										EPA 3545	10/28/09	KTL		
Prep, VOA	Completed										EPA 5035	11/03/09	JAR		
SVOA surr. - Base/Neutrals	See below										EPA 8270	10/30/09	KTL		
TPH by GC-diesel range	150 mg/kg dry sample		83.5 %	85.0 %	0.8 %				2-125	14	EPA 8270	10/30/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample		109.8 %	111.9 %	1.9 %				89-118	11	EPA 8260	11/03/09	JAR		
Terphenyl D14 (surr spk)	49 % spike recovery								18-137	NA	EPA 8270	10/30/09	KTL		
Toluene-D8 (surr spk)	87 % spike recovery								71-123	NA	EPA 8260	11/03/09	JAR		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *094214*

Date Reported : *11/05/09*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *10/22/09*

Time Sampled :

Sample No. : *094214-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	123 % spike recovery								63-132	NA	EPA 8260	11/03/09	JAR		
2FB (surr spk)	57 % spike recovery								30-115	NA	EPA 8270	10/30/09	KTL		
BFB (surr spk)	81 % spike recovery								88-135	NA	EPA 8260	11/03/09	JAR		
Prep, SV BN	Completed										EPA 3545	10/28/09	KTL		
Prep, VOA	Completed										EPA 5035	11/03/09	JAR		
SVOA surr. - Base/Neutrals	See below										EPA 8270	10/30/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample								2-125	14	EPA 8270	10/30/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample								89-118	11	EPA 8260	11/03/09	JAR		
Terphenyl D14 (surr spk)	64 % spike recovery								18-137	NA	EPA 8270	10/30/09	KTL		
Toluene-D8 (surr spk)	91 % spike recovery								71-123	NA	EPA 8260	11/03/09	JAR		

BATCH QC REPORT

Printed : 11:27:11 AM, 11/05/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	091027DW1	10/27/09	95.52							95.53	95.5	0.0 %		5	094240-10
TPH by GC-diesel range	091028SO2	10/30/09	150	138.7155	265.7928	83.5 %	267.8596	85.0 %	0.8 %				2-125	14	094214-01
TPH by GC-gasoline range	091103W11	11/03/09	0	500	549.03	109.8 %	559.66	111.9 %	1.9 %				89-118	11	094214-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937 x 24
Address: 30 W Monroe St. Suite 1710	Fax: 312-332-4434
City State Zip: Chicago, IL 60603	E-mail Address: [redacted]
Project Name/Location (City, State): Plainwell Dam No. 2 TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Michael F. Kohagen	Sampler's Signature: [signature]

Preservative	E	F						
Filtered (✓)								
# of Containers	1	1						
Container Information	8	1						

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		TPH (DRO and GRO)							
TS10048	10/22/09	~~1015~~ 0930	X		SO		X							

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F. Methanol
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: KAR [redacted]	Cooler Custody Seal	Printed Name: [redacted] M Rumler	Printed Name:	Printed Name: Hope Stanley
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: Hope Stanley
Specify Turnaround Requirements: STANDARD TAT	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: [redacted] KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 10-22-09/ 1620	Date/Time:	Date/Time: [redacted] 10/22/09 @ 430

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL506

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

December 28, 2009

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL506

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on December 12th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 12/12/09 ETR No: 135062		
815590	TS10048	12/10/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: [illegible]
Project Name/Location (City, State): Plainwell Dam No. 2 Area	Project #: B0064536.0001.00001
Sampler's Printed Name: Michael Kohagen	Sampler's Signature: [signature]

Preservative	E	E						
Filtered (✓)								
# of Containers	1	1						
Container Information	10	10						

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Soil Classification: ASTMD 2487	Grain Size: ASTMD 422						
TS10048	12/10/09	1400	X		So		X	X						

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10. Gallon Plastic Bag

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Vu Pham
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: [signature]
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA-Burlington
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 12/10/2009 1700	Date/Time:	Date/Time: 12/12/09-1000

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Geotechnical

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

TS10048

Lab Name: TestAmerica Burlington

Contract: 64536.01.01

SDG No.: KAL506

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815590

Matrix: SOIL

Client: BBLKAL

Date Received: 12/12/09

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
D2487	Gravel	12/24/09		%	1		0.0	
D2487	Sand	12/24/09		%	1		52.0	
D2487	Fines	12/24/09		%	1		48.0	
D2487	Group Name	12/24/09			1		Silty sand	
D2487	Group Symbol	12/24/09			1		SM	
D4318	Liquid Limit	12/23/09			1		60	
D4318	Plasticity Index	12/23/09			1		18	
D4318	Plastic Limit	12/23/09			1		43	

Printed on: 12/24/09 09:36 AM

ASTM Method D2487: Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)

Client Code: BBLKAL
ETR: 135062
SDG: KAL506

Analysis Date: 12/24/2009
Analysis Time: 0915
Analyst: DJP

Laboratory Number	Group Name	Group Symbol	Distribution			Shape (≥2000 um)	Hardness (≥2000 um)	Liquid Limit	Plasticity Index
			Gravel (%)	Sand (%)	Fines (%)				
815590	Silty sand	SM	0.0	52.0	48.0	subangular	hard	60	18

The following methods were used in support of ASTM D2487 Classification:
ASTM D422 - Standard Test Method for Particle Size Analysis of Soils
ASTM D4318 - Standard Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
Calculations

Client Code: BBLKAL
ETR: 135062
SDG: KAL506

Start Date: 12/23/09
Start Time: 2230
End Date: 12/24/09
Analyst: MAP

Liquid Limit Test Multi-points Analysis

	15 to 25					20 to 30					25 to 35				
Laboratory Number	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)
815590	17	1	1.01	12.06	7.77	29	2	0.99	11.56	7.60	35	3	1.01	12.85	8.54

Client Code: BBLKAL
ETR: 135062

Start Date: 12/23/09
Start Time: 2230

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

SDG: KAL506

End Date: 12/24/09
Analyst: MAP

Plasticity Limit Test

	1					2				
Laboratory Number	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)
815590	1	15.40	21.88	19.94	42.7	2	15.23	21.65	19.72	43.0

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

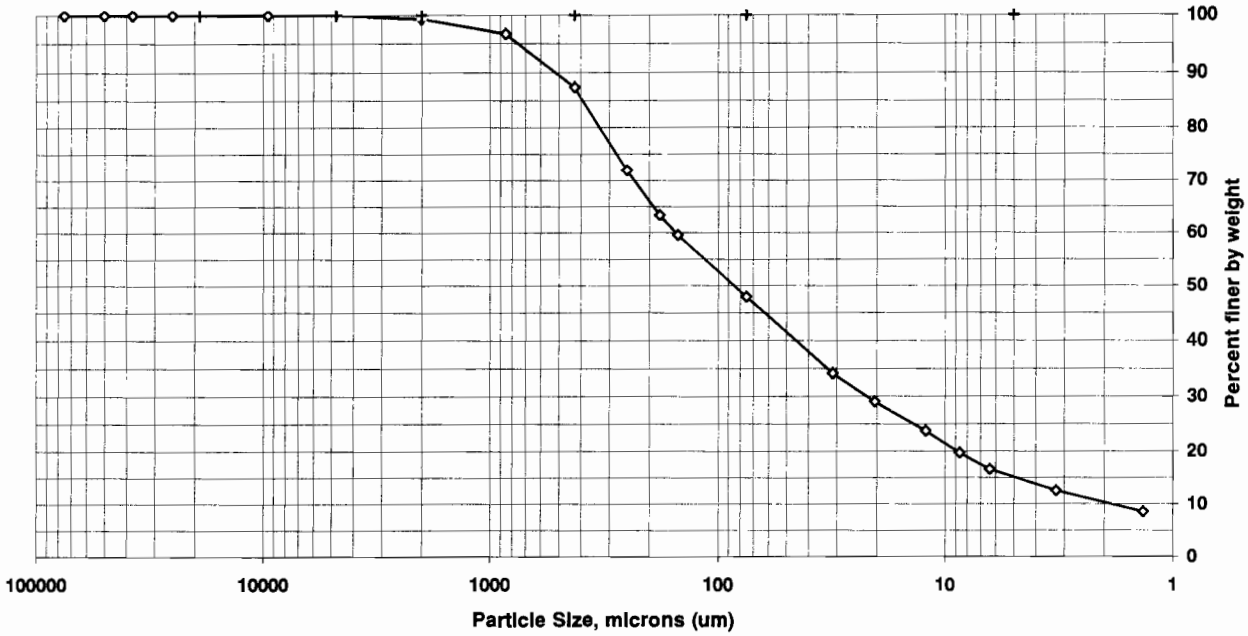
Client Code:	BBLKAL	**Start Date:**	12/23/09
ETR:	135062	**Start Time:**	2230
SDG:	KAL506	**End Date:**	12/24/09
		Analyst:	MAP

	Liquid Limit Test						Plasticity Limit Test						
	15 to 25		20 to 30		25 to 35								
Laboratory Number	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Water Content (%)**	**Water Content (%)**	**Liquid Limit**	**Plastic Limit**	**Plasticity Index**	**Air Dried**	**Percent Retained on #40 Sieve (%)**
815590	17	63.5	29	59.9	35	57.2	42.7	43.0	60	43	18	NO	

Particle Size of Soils by ASTM D422

Client Code:	BBLKAL	**SDG:**	KAL506	**Date Received:**	12/12/2009
Sample ID:	TS10048	**ETR(s):**	135062	**Start Date:**	12/14/2009
Lab ID:	815590			**End Date:**	12/24/2009

Percent Solids:	65.0%	**Non-soil material:**	plant
Specific Gravity:	2.650	**Shape (> #10):**	subangular
Maximum Particle Size:	Crs sand	**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.3	0.7
#20	850	96.7	2.6
#40	425	87.4	9.3
#60	250	71.9	15.5
#80	180	63.4	8.5
#100	150	59.6	3.7
#200	75	48.0	11.7
Hydrometer	31.2	34.1	13.8
|	20.4	29.1	5.1
|	12.2	23.8	5.3
|	8.6	19.7	4.1
|	6.4	16.7	3.1
|	3.3	12.6	4.1
V	1.3	8.5	4.1

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	52.0
Coarse Sand	0.7
Medium Sand	11.9
Fine Sand	39.4
Silt	31.3
Clay	16.7

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL505

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

January 11, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL505

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on December 9th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 12/09/09 ETR No: 135017		
815391	TS10049	12/03/09	SOIL
815392	TS10050	12/03/09	SOIL
815393	TS10051	12/03/09	SOIL
815394	TS10052	12/03/09	SOIL
815394MS	TS10052MS	12/03/09	SOIL
815394MD	TS10052MSD	12/03/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The original PCB analyses of the samples in this delivery group were associated with a method blank that contained target Aroclors at concentrations above reporting limit, as did several of the samples. The laboratory analyzed an aliquot of each sample extract that was archived prior to the Gel Permeation Chromatography (GPC) stage, and those extracts were all clean. This data package represents the final analyses of those extracts. Note that sample TS10051 yileded surrogate recoveries marginally below control criteria.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10049

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815391

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 79.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	79.0	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10050

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815392

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 70.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	70.0	

Printed on: 01/07/10 01:46 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10051

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815393

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 56.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	56.8	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10052

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815394

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 63.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	63.9	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10049

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815391

Phase Weight: 10.11 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 79 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	63	U
11104-28-2	Aroclor-1221	63	U
11141-16-5	Aroclor-1232	63	U
53469-21-9	Aroclor-1242	63	U
12672-29-6	Aroclor-1248	63	U
11097-69-1	Aroclor-1254	63	U
11096-82-5	Aroclor-1260	63	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10050

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815392

Phase Weight: 10.89 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 70 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	66	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	66	U
53469-21-9	Aroclor-1242	66	U
12672-29-6	Aroclor-1248	66	U
11097-69-1	Aroclor-1254	66	U
11096-82-5	Aroclor-1260	66	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10051

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815393

Phase Weight: 10.94 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 57 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	80	U
11096-82-5	Aroclor-1260	80	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10052

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815394

Phase Weight: 10.20 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 64 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	77	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	77	U
53469-21-9	Aroclor-1242	77	U
12672-29-6	Aroclor-1248	77	U
11097-69-1	Aroclor-1254	77	U
11096-82-5	Aroclor-1260	77	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK121A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: TCRA122

Phase Type: SOIL Lab Sample ID: PBLK121A

Phase Weight: 10.05 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10052MS

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815394MS

Phase Weight: 10.31 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 10.0 Date Analyzed: 01/07/10

% Solids: 64 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	760	U
11104-28-2	Aroclor-1221	760	U
11141-16-5	Aroclor-1232	760	U
53469-21-9	Aroclor-1242	6500	
12672-29-6	Aroclor-1248	760	U
11097-69-1	Aroclor-1254	6500	
11096-82-5	Aroclor-1260	760	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10052MSD

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815394MD

Phase Weight: 10.08 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 10.0 Date Analyzed: 01/07/10

% Solids: 64 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	780	U
11104-28-2	Aroclor-1221	780	U
11141-16-5	Aroclor-1232	780	U
53469-21-9	Aroclor-1242	5900	
12672-29-6	Aroclor-1248	780	U
11097-69-1	Aroclor-1254	5800	
11096-82-5	Aroclor-1260	780	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS121A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: TCRA122

Phase Type: SOIL Lab Sample ID: PLCS121A

Phase Weight: 10.90 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	380	
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	380	
11096-82-5	Aroclor-1260	46	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.	TCX 1 % REC	#	TCX 2 % REC	#	DCB 1 % REC	#	DCB 2 % REC	#
PBLK121A	81		82		85		84	
PLCS121A	84		84		90		90	
TS10049	76		76		80		79	
TS10050	87		89		89		90	
TS10051	51	*	53	*	57	*	57	*
TS10052	84		85		87		87	
TS10052MS	68	D	54	*D	100	D	100	D
TS10052MSD	61	D	49	*D	85	D	84	D

Project Specific
QC Limits
(60 - 150)
(60 - 150)

TCX = Tetrachloro-meta-Xylene
DCB = Decachlorobiphenyl

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3
AROCLOR MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.: TS10052

Compound	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTATION ug/Kg	MS % REC #	QC LIMITS REC.
Aroclor 1242	7578	0	6546	86	39-150
Aroclor 1254	7578	0	6530	86	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 3
AROCLOR MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.: TS10052

Compound	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1242	7751	5867	76	11	30	39-150
Aroclor 1254	7751	5802	75	12	30	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

RPD: 0 out of 2 outside limits.
Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.: PLCS121A

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	459	385	84	39-150
Aroclor 1254	459	378	82	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK121A	SDG:	KAL505
Matrix:	SOIL	Level:	LOW
Date Extracted:	12/10/09	Date Analyzed(2):	01/07/10
Date Analyzed(1):	01/07/10	Time Analyzed(2):	04:47
Time Analyzed(1):	04:47	GC ID(2):	HP2624
GC ID(1):	HP2624	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS121A	PLCS121A	01/07/10	01/07/10
815391	TS10049	01/07/10	01/07/10
815392	TS10050	01/07/10	01/07/10
815393	TS10051	01/07/10	01/07/10
815394	TS10052	01/07/10	01/07/10
815394MS	TS10052MS	01/07/10	01/07/10
815394MD	TS10052MSD	01/07/10	01/07/10

2624_010610F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	6-Jan-10	14:32 to	
GC:	HP-2624		7-Jan-10	4:00	
Col. 1:	RTX-5				
Col. 2:	RTX-35	File:	49,50 06JAN101135		

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		48.1	98.8	198	402	803	
	Cal Fact	0.962	0.988	0.990	1.005	1.004	1.8
	% Diff	4	1	1	-1	0	
Aroclor 1221		52.3	102	204	401	794	
	Cal Fact	1.046	1.020	1.020	1.003	0.993	2.0
	% Diff	-5	-2	-2	0	1	
Aroclor 1232		47.7	96.2	202	390	814	
	Cal Fact	0.954	0.962	1.010	0.975	1.018	2.9
	% Diff	5	4	-1	3	-2	
Aroclor 1242		48.7	95.3	194	411	801	
	Cal Fact	0.974	0.953	0.970	1.028	1.001	3.0
	% Diff	3	5	3	-3	0	
Aroclor 1248		47.6	98.3	200	396	808	
	Cal Fact	0.952	0.983	1.000	0.990	1.010	2.2
	% Diff	5	2	0	1	-1	
Aroclor 1254		48.0	98.6	210	403	791	
	Cal Fact	0.960	0.986	1.050	1.008	0.989	3.3
	% Diff	4	1	-5	-1	1	
Aroclor 1260		52.0	99.1	195	417	786	
	Cal Fact	1.040	0.991	0.975	1.043	0.983	3.2
	% Diff	-4	1	3	-4	2	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL505F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP2624
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 49,50 06JAN101135
date/time: 1/6/2010 14:32 to 1/7/2010 4:00

Check Standard File: 49,50 06JAN101454,10
Date: 1/7/2010
Time: 8:21

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	221	10.5

Check Standard File: 49,50 06JAN101454,11
Date: 1/7/2010
Time: 8:44

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	199	0.5

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	6-Jan-2010 14:32	3.92	14.71	
AR1016 100ppb	AR1016 100	6-Jan-2010 14:56	3.91	14.70	
AR1016 200ppb	AR1016 200	6-Jan-2010 15:20	3.90	14.69	
AR1016 400ppb	AR1016 400	6-Jan-2010 15:44	3.92	14.70	
AR1016 800ppb	AR1016 800	6-Jan-2010 16:07	3.92	14.71	
AR1221 50ppb	AR1221 50	6-Jan-2010 16:31	3.91	14.70	
AR1221 100ppb	AR1221 100	6-Jan-2010 16:55	3.91	14.70	
AR1221 200ppb	AR1221 200	6-Jan-2010 17:19	3.92	14.70	
AR1221 400ppb	AR1221 400	6-Jan-2010 17:42	3.91	14.70	
AR1221 800ppb	AR1221 800	6-Jan-2010 18:06	3.92	14.71	
AR1232 50ppb	AR1232 50	6-Jan-2010 18:30	3.92	14.71	
AR1232 100ppb	AR1232 100	6-Jan-2010 18:54	3.92	14.71	
AR1232 200ppb	AR1232 200	6-Jan-2010 19:17	3.92	14.70	
AR1232 400ppb	AR1232 400	6-Jan-2010 19:41	3.91	14.70	
AR1232 800ppb	AR1232 800	6-Jan-2010 20:05	3.92	14.70	
AR1242 50ppb	AR1242 50	6-Jan-2010 20:29	3.91	14.70	
AR1242 100ppb	AR1242 100	6-Jan-2010 20:52	3.92	14.71	
AR1242 200ppb	AR1242 200	6-Jan-2010 21:16	3.91	14.70	
AR1242 400ppb	AR1242 400	6-Jan-2010 21:40	3.91	14.70	
AR1242 800ppb	AR1242 800	6-Jan-2010 22:04	3.91	14.70	
AR1248 50ppb	AR1248 50	6-Jan-2010 22:27	3.91	14.70	
AR1248 100ppb	AR1248 100	6-Jan-2010 22:51	3.91	14.70	
AR1248 200ppb	AR1248 200	6-Jan-2010 23:15	3.91	14.69	
AR1248 400ppb	AR1248 400	6-Jan-2010 23:38	3.91	14.69	
AR1248 800ppb	AR1248 800	7-Jan-2010 00:02	3.92	14.70	
AR1254 50ppb	AR1254 50	7-Jan-2010 00:26	3.91	14.70	
AR1254 100ppb	AR1254 100	7-Jan-2010 00:50	3.92	14.70	
AR1254 200ppb	AR1254 200	7-Jan-2010 01:13	3.91	14.70	
AR1254 400ppb	AR1254 400	7-Jan-2010 01:37	3.91	14.70	
AR1254 800ppb	AR1254 800	7-Jan-2010 02:01	3.91	14.70	
AR1260 50ppb	AR1260 50	7-Jan-2010 02:25	3.91	14.71	
AR1260 100ppb	AR1260 100	7-Jan-2010 02:48	3.90	14.69	
AR1260 200ppb	AR1260 200	7-Jan-2010 03:12	3.92	14.71	
AR1260 400ppb	AR1260 400	7-Jan-2010 03:36	3.91	14.70	
AR1260 800ppb	AR1260 800	7-Jan-2010 04:00	3.90	14.69	
PBLK121A	PBLK121A	7-Jan-2010 04:47	3.91	14.69	
PLCS121A	PLCS121A	7-Jan-2010 05:11	3.92	14.70	
815391	TS10049	7-Jan-2010 05:35	3.91	14.69	
815392	TS10050	7-Jan-2010 05:58	3.92	14.70	
815393	TS10051	7-Jan-2010 06:22	3.92	14.70	
815394	TS10052	7-Jan-2010 06:46	3.92	14.70	
815394MS;1:10	TS10052MS	7-Jan-2010 07:09	3.90	14.70	
815394MD;1:10	TS10052MSD	7-Jan-2010 07:33	3.91	14.70	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.91 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.70 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	7-Jan-2010 08:21	3.90	14.69	
AR1242 200	AR1242 200	7-Jan-2010 08:44	3.91	14.70	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.91 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.70 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	6-Jan-2010 14:32	4.38	15.77	
AR1016 100ppb	AR1016 100	6-Jan-2010 14:56	4.38	15.77	
AR1016 200ppb	AR1016 200	6-Jan-2010 15:20	4.38	15.77	
AR1016 400ppb	AR1016 400	6-Jan-2010 15:44	4.37	15.76	
AR1016 800ppb	AR1016 800	6-Jan-2010 16:07	4.38	15.77	
AR1221 50ppb	AR1221 50	6-Jan-2010 16:31	4.36	15.76	
AR1221 100ppb	AR1221 100	6-Jan-2010 16:55	4.38	15.77	
AR1221 200ppb	AR1221 200	6-Jan-2010 17:19	4.38	15.77	
AR1221 400ppb	AR1221 400	6-Jan-2010 17:42	4.37	15.76	
AR1221 800ppb	AR1221 800	6-Jan-2010 18:06	4.38	15.78	
AR1232 50ppb	AR1232 50	6-Jan-2010 18:30	4.38	15.78	
AR1232 100ppb	AR1232 100	6-Jan-2010 18:54	4.38	15.78	
AR1232 200ppb	AR1232 200	6-Jan-2010 19:17	4.37	15.76	
AR1232 400ppb	AR1232 400	6-Jan-2010 19:41	4.37	15.76	
AR1232 800ppb	AR1232 800	6-Jan-2010 20:05	4.37	15.76	
AR1242 50ppb	AR1242 50	6-Jan-2010 20:29	4.38	15.77	
AR1242 100ppb	AR1242 100	6-Jan-2010 20:52	4.38	15.77	
AR1242 200ppb	AR1242 200	6-Jan-2010 21:16	4.39	15.78	
AR1242 400ppb	AR1242 400	6-Jan-2010 21:40	4.37	15.76	
AR1242 800ppb	AR1242 800	6-Jan-2010 22:04	4.38	15.77	
AR1248 50ppb	AR1248 50	6-Jan-2010 22:27	4.37	15.76	
AR1248 100ppb	AR1248 100	6-Jan-2010 22:51	4.37	15.76	
AR1248 200ppb	AR1248 200	6-Jan-2010 23:15	4.37	15.76	
AR1248 400ppb	AR1248 400	6-Jan-2010 23:38	4.36	15.75	
AR1248 800ppb	AR1248 800	7-Jan-2010 00:02	4.38	15.77	
AR1254 50ppb	AR1254 50	7-Jan-2010 00:26	4.37	15.76	
AR1254 100ppb	AR1254 100	7-Jan-2010 00:50	4.38	15.77	
AR1254 200ppb	AR1254 200	7-Jan-2010 01:13	4.37	15.76	
AR1254 400ppb	AR1254 400	7-Jan-2010 01:37	4.37	15.76	
AR1254 800ppb	AR1254 800	7-Jan-2010 02:01	4.37	15.76	
AR1260 50ppb	AR1260 50	7-Jan-2010 02:25	4.37	15.76	
AR1260 100ppb	AR1260 100	7-Jan-2010 02:48	4.36	15.76	
AR1260 200ppb	AR1260 200	7-Jan-2010 03:12	4.37	15.76	
AR1260 400ppb	AR1260 400	7-Jan-2010 03:36	4.37	15.76	
AR1260 800ppb	AR1260 800	7-Jan-2010 04:00	4.37	15.76	
PBLK121A	PBLK121A	7-Jan-2010 04:47	4.37	15.76	
PLCS121A	PLCS121A	7-Jan-2010 05:11	4.37	15.76	
815391	TS10049	7-Jan-2010 05:35	4.38	15.76	
815392	TS10050	7-Jan-2010 05:58	4.37	15.76	
815393	TS10051	7-Jan-2010 06:22	4.38	15.77	
815394	TS10052	7-Jan-2010 06:46	4.37	15.76	
815394MS;1:10	TS10052MS	7-Jan-2010 07:09	4.37	15.76	
815394MD;1:10	TS10052MSD	7-Jan-2010 07:33	4.38	15.77	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.37 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 15.77 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	7-Jan-2010 08:21	4.36	15.74	
AR1242 200	AR1242 200	7-Jan-2010 08:44	4.37	15.76	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.37 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 15.77 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100349***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100349. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10053"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Date Received : ***01/29/10***

Sample Date : ***01/19/10***

Sample Type : ***soil***

Sample Time : ***1011***

KAR Sample No. : ***100349-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	69.85	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	56	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10054"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***01/19/10***

Sample Time : ***1015***

Date Received : ***01/29/10***

Sample Type : ***soil***

KAR Sample No. : ***100349-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	63.11	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	77	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	75	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported: *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10055"*

Sampled By : *MK of ARCADIS of New York, Inc.*

Sample Date : *01/19/10*

Sample Time : *1020*

Date Received : *01/29/10*

Sample Type : *soil*

KAR Sample No. : *100349-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	61.72	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	460	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	440	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	900	ug/kg dry sample	EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	57	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10057"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/19/10***
Sample Time : ***1037***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100349-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	71.56	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : *01/29/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100349-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	101	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100349***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100349. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10053"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1011* **Sample No. :** *100349-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	69.85 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	56 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10054"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1015* **Sample No. :** *100349-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	77 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	83.11 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	75 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10055"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1020* **Sample No. :** *100349-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	57 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	61.72 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	460 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	440 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	900 ug/kg dry sample								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	63 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10057"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1037* **Sample No. :** *100349-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	71.56 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *01/29/10*

Time Sampled :

Sample No. : *100349-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	101 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

BATCH QC REPORT

Printed : 11:19:37 AM, 02/12/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100202WD1	02/02/10	71.86							68.46	75.25	9.4 %		8	100351-05
PCB Aroclor 1016	100202SO8	02/04/10	0	993.6407	737.3699	74.2 %	746.4792	75.1 %	1.2 %				29-135	25	100351-03
PCB Aroclor 1260	100202SO8	02/04/10	0	993.6407	849.8641	85.5 %	823.0762	82.8 %	3.2 %				29-135	25	100351-03

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: [illegible]
Project Name/Location (City, State): Plainwell ~~TCRA Mi~~ Dam No 2	Project #: B0064539.0000.00002 ~~B0064539.0000.00001~~
Sampler's Printed Name: Michael Kohagen	Sampler's Signature: [signature]

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix	Total PCB	REMARKS
TS10053	1/19/10	1011		X	So	X	PACKAGE 1
TS10054	1/19/10	1015		X	So	X	PACKAGE 1
TS10055	1/19/10	1020		X	So	X	PACKAGE 1
TS10056	1/19/10	1023		X	So	X	PACKAGE 2
TS10057	1/19/10	1037	X		So	X	PACKAGE 1
TS10058	1/27/10	1400		X	So	X	PACKAGE 3
TS10059	1/27/10	---		X	So	X	
TS10060	1/27/10	1410		X	So	X	MS/MSD
TS10061	1/27/10	1421		X	So	X	
TS10062	1/27/10	1427		X	So	X	
TS10063	1/27/10	1430		X	So	X	
TS10064	1/27/10	1435		X	So	X	
TS10065	1/27/10	1443		X	So	X	

Preservative	E
Filtered (✓)	
# of Containers	1
Container Information	8

PARAMETER ANALYSIS & METHOD

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: Hope Sanders
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~092409~~ 1/29/10 1040	Date/Time:	Date/Time: 1/29/10 1040

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100350***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100350. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100350***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10056"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/19/10***
Sample Time : ***1023***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100350-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	72.92	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	60	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100350***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B0064536.0002).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : ***01/29/10***
Sample Type : ***LMB-soil***
KAR Sample No. : ***100350-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	101	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100350***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0002).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100350. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100350*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10056"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1023* **Sample No. :** *100350-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	72.92 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	60 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100350*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0002).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *01/29/10*

Time Sampled :

Sample No. : *100350-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	101 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

BATCH QC REPORT

Printed : 11:19:51 AM, 02/12/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100202WD1	02/02/10	71.86							68.46	75.25	9.4 %		8	100351-05
PCB Aroclor 1016	100202SO8	02/04/10	0	993.6407	737.3699	74.2 %	746.4792	75.1 %	1.2 %				29-135	25	100351-03
PCB Aroclor 1260	100202SO8	02/04/10	0	993.6407	849.8641	85.5 %	823.0762	82.8 %	3.2 %				29-135	25	100351-03

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	**Fax:**
30 W Monroe St	312-332-4434
City State Zip	**E-mail Address:**
Chicago IL, 60603	eric.hritsuk@arcadis-us.com
Project Name/Location (City, State):	**Project #:**
Plainwell ~~TCRA Mi~~ Dam No 2	B0064536.00002 ~~B0064539.0000.00001~~
Sampler's Printed Name:	**Sampler's Signature:**
Michael Kohagen	

Preservative	E							
Filtered (✓)								
# of Containers	1							
Container Information	8							

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								REMARKS
TS10053	1/19/10	1011		X	So		X								~~PACKAGE~~ 1
TS10054	1/19/10	1015		X	So		X								PACKAGE 1
TS10055	1/19/10	1020		X	So		X								PACKAGE 1
TS10056	1/19/10	1023		X	So		X								PACKAGE 2
TS10057	1/19/10	1037	X		So		X								PACKAGE 1
TS10058	1/27/10	1400		X	So		X								PACKAGE 3
TS10059	1/27/10	---		X	So		X								
TS10060	1/27/10	1410		X	So		X								MS/MSD
TS10061	1/27/10	1421		X	So		X								
TS10062	1/27/10	1427		X	So		X								
TS10063	1/27/10	1430		X	So		X								
TS10064	1/27/10	1435		X	So		X								
TS10065	1/27/10	1443		X	So		X								

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature: Hope Sanders
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~092409~~ 1/29/10 1040	Date/Time:	Date/Time: 1/29/10 1040

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100351***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100351. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

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LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported: *02/12/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10058"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *01/27/10*
Sample Time : *1400*

Date Received : *01/29/10*
Sample Type : *soil*
KAR Sample No. : *100351-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	42.24	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	61	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	67	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10059"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time :

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	39.41	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10060"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1410***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	75.48	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	79	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	77	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10061"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1421***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	76.62	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	82	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	71	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10062"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1427***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-05***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	71.86	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	78	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10063"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1430***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-06***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	83.44	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	80	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10064"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1435***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-07***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	68.55	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	75	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	71	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10065"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1443***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-08***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	67.95	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	73	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	65	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : *01/29/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100351-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	101	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100351***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100351. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10058"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1400* **Sample No. :** *100351-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	61 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	42.24 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	67 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10059"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** **Sample No. :** *100351-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	39.41 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10060"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1410* **Sample No. :** *100351-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	79 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	75.48 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		74.2 %	75.1 %	1.2 %				29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		85.5 %	82.8 %	3.2 %				29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	77 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10061"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1421* **Sample No. :** *100351-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	82 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	76.62 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	71 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10062"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1427* **Sample No. :** *100351-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	78 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	71.86 % by weight							9.4 %		8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	78 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10063"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1430* **Sample No. :** *100351-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	83.44 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	80 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10064"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1435* **Sample No. :** *100351-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	75 % spike recovery								25-122	NA	EPA 3082	02/04/10	GMB		
Dry weight solids	68.55 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	71 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10065"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1443* **Sample No. :** *100351-08*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	73 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	67.95 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	65 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *01/29/10*

Time Sampled :

Sample No. : *100351-09*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	101 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

BATCH QC REPORT

Printed : 11:20:09 AM, 02/12/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100202WD1	02/02/10	71.86							68.46	75.25	9.4 %		8	100351-05
Dry weight solids	100202WD2	02/02/10	95.28							95.17	95.39	0.2 %		8	100357-06
PCB Aroclor 1016	100202SO8	02/04/10	0	993.6407	737.3699	74.2 %	746.4792	75.1 %	1.2 %				29-135	25	100351-03
PCB Aroclor 1260	100202SO8	02/04/10	0	993.6407	849.8641	85.5 %	823.0762	82.8 %	3.2 %				29-135	25	100351-03

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: eric.hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell ~~TORA Mi~~ Dam No 2	Project #: B0064536.00002 ~~B0064539.0000.00001~~
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

					Preservative	E								
					Filtered (✓)									
					# of Containers	1								
					Container Information	8								
					PARAMETER ANALYSIS & METHOD									
Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB							
TS10053	1/19/10	1011		X	So		X							
TS10054	1/19/10	1015		X	So		X							
TS10055	1/19/10	1020		X	So		X							
TS10056	1/19/10	1023		X	So		X							
TS10057	1/19/10	1037	X		So		X							
TS10058	1/27/10	1400		X	So		X							
TS10059	1/27/10	---		X	So		X							
TS10060	1/27/10	1410		X	So		X							
TS10061	1/27/10	1421		X	So		X							
TS10062	1/27/10	1427		X	So		X							
TS10063	1/27/10	1430		X	So		X							
TS10064	1/27/10	1435		X	So		X							
TS10065	1/27/10	1443		X	So		X							

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

PACKAGE 1
PACKAGE 1
PACKAGE 1
PACKAGE 2
PACKAGE 1
PACKAGE 3
MS/MSD

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature: Hope Sanders
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~092409~~ 1/29/10 1040	Date/Time:	Date/Time: 1/29/10 1040

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100460***
Date Reported :	***02/19/10***
Date Activated :	***02/08/10***
Date Due :	***02/22/10***
Date Validated :	***02/18/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100460. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported: *02/19/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10066"*

Sampled By : *MK of ARCADIS of New York, Inc.*

Sample Date : *01/29/10*

Sample Time : *1405*

Date Received : *02/08/10*

Sample Type : *soil*

KAR Sample No. : *100460-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.18	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	94	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	83	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10067"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***01/29/10***

Sample Time : ***1413***

Date Received : ***02/08/10***

Sample Type : ***soil***

KAR Sample No. : ***100460-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	78.06	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10068"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***02/01/10***

Sample Time : ***1530***

Date Received : ***02/08/10***

Sample Type : ***soil***

KAR Sample No. : ***100460-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	79.99	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	104	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10069"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Date Received : ***02/08/10***

Sample Date : ***02/01/10***

Sample Type : ***soil***

Sample Time : ***1535***

KAR Sample No. : ***100460-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	77.42	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	75	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	77	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported: *02/19/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10070"*

Sampled By : *MK of ARCADIS of New York, Inc.*

Sample Date : *02/01/10*

Sample Time : *1540*

Date Received : *02/08/10*

Sample Type : *soil*

KAR Sample No. : *100460-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.13	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	84	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	85	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10071"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***02/01/10***

Sample Time : ***1545***

Date Received : ***02/08/10***

Sample Type : ***soil***

KAR Sample No. : ***100460-06***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.68	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	79	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank***

Sampled By :
Sample Date :
Sample Time :

Date Received : *02/08/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100460-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	112	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	02/12/10	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
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Phone 269 381-9666
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www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100460***
Date Reported :	***02/19/10***
Date Activated :	***02/08/10***
Date Due :	***02/22/10***
Date Validated :	***02/18/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100460. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10066"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/29/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1405* **Sample No. :** *100460-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	94 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	80.18 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	83 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10067"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/29/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1413* **Sample No. :** *100460-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	78.06 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep, ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	78 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10068"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1530* **Sample No. :** *100460-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	104 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	79.99 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	81 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10069"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1535* **Sample No. :** *100460-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	75 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	77.42 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep, ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	77 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10070"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1540* **Sample No. :** *100460-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	84 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	80.13 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	85 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10071"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1545* **Sample No. :** *100460-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	79 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	80.68 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep, ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *02/08/10*

Time Sampled :

Sample No. : *100460-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	112 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

BATCH QC REPORT

Printed : 07:48:22 AM, 02/19/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100209DW1	02/09/10	78.54							79.68	77.39	2.9 %		8	100401-03
PCB Aroclor 1016	100111SO8	01/13/10	0	1111.4404	949.8539	85.5 %	953.7196	85.8 %	0.4 %				29-135	25	100030-01
PCB Aroclor 1260	100111SO8	01/13/10	0	1111.4404	1160.6402	104.4 %	1157.38	104.1 %	0.3 %				29-135	25	100030-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

KAR Laboratories, Inc.

(269) 381-9666

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	**Fax:**
30 W Monroe St	312-332-4434
City State Zip	**E-mail Address:**
Chicago IL, 60603	[illegible]

Project Name/Location (City, State):	Project #:
Plainwell Dam No. 2 Area TCRA Mi	B0064536.0000.00002
Sampler's Printed Name:	**Sampler's Signature:**
Michael Kohagen	[signature]

Preservative	E													
Filtered (✓)														
# of Containers	1													
Container Information	8													

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								REMARKS
TS10066	1/29/10	1405		X	So		X								
TS10067	1/29/10	1413		X	So		X								
TS10068	2/1/10	1530		X	So		X								
TS10069	2/1/10	1535		X	So		X								
TS10070	2/1/10	1540		X	So		X								
TS10071	2/1/10	1545	X		So		X								

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature: Sandra Metz	Signature: Sandra Metz
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm: KAR Labs	Firm:
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~2/8/2010~~ 2/8/10 0830	Date/Time: 2-8-10 8:24am	Date/Time:

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100610***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100610. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10072"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/08/10*
Sample Time : *0936*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.80	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	76	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	74	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : *"TS10073"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/08/10*
Sample Time : *0945*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	81.16	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	68	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	74	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100610***

Date Reported : ***03/04/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Sample ID : ***"TS10074"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/08/10***
Sample Time : ***0950***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100610-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	82.66	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	61	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	64	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : ***"TS10075"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/15/10***
Sample Time : ***0850***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100610-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	50.94	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	360	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	500	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	860	ug/kg dry sample	EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	39	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	47	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10076"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/15/10*
Sample Time : *0900*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	75.71	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	54	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	67	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : *"TS10077"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/15/10*
Sample Time :

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	73.43	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	740	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	740	ug/kg dry sample	EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	64	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100610***

Date Reported : ***03/04/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : *02/18/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100610-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/24/10	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100610***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100610. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10072"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/08/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0936* **Sample No. :** *100610-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	76 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	80.80 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	74 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10073"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/08/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0945* **Sample No. :** *100610-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	68 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	81.16 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	74 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10074"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/08/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0950* **Sample No. :** *100610-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	61 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	82.66 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	64 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10075"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0850* **Sample No. :** *100610-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	39 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	50.94 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	360 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	500 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	860 ug/kg dry sample								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	47 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10076"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0900* **Sample No. :** *100610-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	54 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	75.71 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	67 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10077"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** **Sample No. :** *100610-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	64 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	73.43 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	740 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	740 ug/kg dry sample								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *02/18/10*

Time Sampled :

Sample No. : *100610-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

BATCH QC REPORT

Printed : 01:41:04 PM, 03/04/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100222DW1	02/22/10	93.23							93.73	92.73	1.1 %		7	100632-01
PCB Aroclor 1016	100219SO8	02/24/10	0	949.7277	694.6273	73.1 %	697.9795	73.5 %	0.5 %				29-135	25	100609-01
PCB Aroclor 1260	100219SO8	02/24/10	0	949.7277	690.3984	72.7 %	720.9483	75.9 %	4.3 %				29-135	25	100609-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	**Fax:**
30 W Monroe St	312-332-4434
City State Zip	**E-mail Address:**
Chicago IL, 60603	[illegible]
Project Name/Location (City, State):	**Project #:**
Plainwell Dam No. 2 Area TCRA Mi	B0064536.0000.00002
Sampler's Printed Name:	**Sampler's Signature:**
Michael Kohagen	

Preservative	E												
Filtered (✓)													
# of Containers	1												
Container Information	8												

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								
TS10072	2/8/10	0936		X	So		X								
TS10073	2/8/10	0945		X	So		X								
TS10074	2/8/10	0950		X	So		X								
TS10075	2/15/10	0850		X	So		X								
TS10076	2/15/10	0900		X	So		X								
TS10077	2/15/10	----		X	So		X								

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm:
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 2/18/2010 1230	Date/Time:	Date/Time: 2/18/10 @ 1236

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100609***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of three soil samples, Plainwell Dam (#B 0064536.0000.00002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100609. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100609***

Date Reported : ***03/04/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: ***Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).***

Sample ID : ***"TS10078"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/15/10***
Sample Time : ***0910***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100609-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	78.97	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	71	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : ***"TS10079"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/15/10***
Sample Time : ***0917***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100609-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	81.86	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	69	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	68	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10080"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/15/10*
Sample Time : *0925*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100609-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	69.86	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	55	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : *Laboratory Method Blank-Soil*

Sampled By :
Sample Date :
Sample Time :

Date Received : *02/18/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100609-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	77	% spike recovery	EPA 8082	02/24/10	GMB	

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Phone 269 381-9666
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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100609***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of three soil samples, Plainwell Dam (#B 0064536.0000.00002).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100609. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10078"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0910* **Sample No. :** *100609-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	71 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	78.97 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		73.1 %	73.5 %	0.5 %				29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		72.7 %	75.9 %	4.3 %				29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10079"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0917* **Sample No. :** *100609-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	69 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	81.86 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	68 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10080"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0925* **Sample No. :** *100609-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	55 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	69.86 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *02/18/10*

Time Sampled :

Sample No. : *100609-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	77 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

BATCH QC REPORT

Printed : 01:40:35 PM, 03/04/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100222DW1	02/22/10	93.23							93.73	92.73	1.1 %		7	100632-01
PCB Aroclor 1016	100219SO8	02/24/10	0	949.7277	694.6273	73.1 %	697.9795	73.5 %	0.5 %				29-135	25	100609-01
PCB Aroclor 1260	100219SO8	02/24/10	0	949.7277	690.3984	72.7 %	720.9483	75.9 %	4.3 %				29-135	25	100609-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: [illegible]
Project Name/Location (City, State): Plainwell Dam No. 2 Area TCRA Mi	Project #: B0064536.0000.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix	Total PCB
Preservative						E
Filtered (✓)						
# of Containers						1
Container Information						8
TS10078	2/15/10	0910		X	So	X
TS10079	2/15/10	0917		X	So	X
TS10080	2/15/10	0925		X	So	X

PARAMETER ANALYSIS & METHOD

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

MS/MSD

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature: Hope Janney
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm:
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 1230 2/18/2010	Date/Time:	Date/Time: 2/18/10 @ 1230

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL533

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

March 22, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL533

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on March 5th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 03/05/10 ETR No: 136215		
821804	TS10081	03/04/10	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

A serial dilution performed during the metals analysis of sample TS10081 yielded elevated percent difference for barium.

The original volatile organic analysis of sample TS10081 yielded surrogate and internal standard responses outside control criteria. This sample was re-analyzed yielding similar results, confirming that the outages were related to the nature of the sample matrix. Both sets of data have been presented in this case submittal.

The semivolatile organic analysis of method blank MBLK030910B yielded the presence of target compound bis(2-ethylhexyl)phthalate at a concentration below reporting limit. This compound was also detected below reporting limit in associated sample TS10081. The result in the sample has been qualified with a B flag to denote this situation.

The pesticide analysis of sample TS10081 yielded surrogate recoveries marginally below the advisory levels. No target compounds were detected in this sample.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Due to the close similarity between Aroclors 1016 and 1242, the automated PCB quantification algorithm occasionally identifies both Aroclors, or just Aroclor 1016. Based on the historical approach to this situation for the project, any software reports identified as Aroclor 1016 are actually reported as Aroclor 1242. Although the software report still identifies the Aroclor 1016, the final reporting form and EDD will only reflect the cumulative result for Aroclor 1242.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)
The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.
If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address:
Project Name/Location (City, State): Plainwell Dam No. 2 Area TCRA Mi	Project #: B0064536.0000.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

Preservative	E													
Filtered (✓)														
# of Containers	8													
Container Information	8													
PARAMETER ANALYSIS & METHOD														
Sample ID	**Collection Date**	**Collection Time**	**Type Comp**	**Type Grab**	**Matrix**		**Grain Size (ASTM D422)**	**pH (ASTM D2974)**	**Organic Content (ASTM D2974)**	**TCL VOC's**	**TCL SVOC's**	**TCL Pesticides/ PCB's**	**RCRA Metals**	**Soil Classification (ASTM D2487)**
TS10081	3/4/10	1100	x		So		X	X	X	X	X	X	X	X

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Chris Kolb
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact ☒ N/A	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #: 0	Condition/Cooler Temp: 2.0	Date/Time: 3/4/2010	Date/Time:	Date/Time: 3/5/10 1030

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10081

Lab Name: TestAmerica Burlington | Contract: 64536.0.02 | SDG No.: KAL533

Lab Code: TALVT | Case No.: KZOO | Lab Sample ID: 821804

Matrix: SOIL | Client: BBLKAL | Date Received: 03/05/10

% Solids: 61.2

Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
9045	Soil pH (std. units)	03/12/10	BLKPH031210A	pH Units	1	0.0	4.4	
IN623	Solids, Percent	03/08/10		%	1	0.10	61.2	

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Method Blank Report Summary

Lab Name: TestAmerica Burlington **Contract:** 64536.0.02 **SDG No.:** KAL533

Lab Code: TALVT **Case No.:** KZOO

Matrix: SOIL **Client:** BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKPH031210A	9045	Soil pH (std. units)	7.0	pH Units		1	0.0	03/12/10	BLKPH031210A

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.

TS10081REP

Lab Name: TestAmerica Burlington | Contract: 64536.0.02 | SDG No.: KAL533

Lab Code: TALVT | Case No.: KZOO | Lab Sample ID: 821804DP

Matrix: SOIL | Client: BBLKAL | Date Received: 03/05/10

% Solids: 61.2

Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD[2]
9045	Soil pH (std. units)	03/12/10	BLKPH031210A	pH Units	4.4		4.4		0

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

2 - Control Limit for RPD is +/- 20%, unless otherwise specified.

Printed on: 03/12/10 03:22 PM

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: TestAmerica Burlington **Contract:** 64536.0.02 **SDG No.:** KAL533

Lab Code: TALVT **Case No.:** KZOO

Matrix: SOIL **Client:** BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Rec.	Control Limit
LCSPH031210A	9045	Soil pH (std. units)	03/12/10	BLKPH031210A	pH Units	6.0	6.0	100	99-101

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

SOW No.: _____

EPA Sample No.	Lab Sample ID.
TS10081	821804
TS10081D	821804DP
TS10081S	821804MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10081

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Lab Sample ID: 821804

Level (low/med): LOW Date Received: 3/5/2010

% Solids: 61.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.052	U		P
7440-38-2	Arsenic	1.8			P
7440-39-3	Barium	54.3		E	P
7440-43-9	Cadmium	0.21	B		P
7440-47-3	Chromium	10.8			P
7439-97-6	Mercury	0.032	B		CV
7439-92-1	Lead	13.9			P
7782-49-2	Selenium	0.82	B		P

Color Before: brown Clarity Before: Texture: medium

Color After: brown Clarity After: cloudy Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.00	100.0	5.0	5.10	102.0	5.14	102.8	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	500.20	100.0	100.0	97.52	97.5	98.48	98.5	P
Arsenic	250.0	257.80	103.1	100.0	96.46	96.5	98.65	98.6	P
Barium	500.0	499.60	99.9	200.0	189.00	94.5	184.70	92.4	P
Cadmium	500.0	507.70	101.5	100.0	97.85	97.8	98.11	98.1	P
Chromium	500.0	501.00	100.2	200.0	190.40	95.2	189.10	94.6	P
Selenium	250.0	245.70	98.3	100.0	98.42	98.4	101.20	101.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead	1000.0	985.70	98.6	400.0	391.30	97.8	397.90	99.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				400.0	406.50	101.6	409.70	102.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				400.0	414.40	103.6	412.40	103.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	8.85	88.5		
Arsenic				10.0	7.67	76.7		
Barium				200.0	193.00	96.5		
Cadmium				5.0	4.07	81.4		
Chromium				10.0	8.89	88.9		
Selenium				35.0	32.46	92.7		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Lead				10.0	13.16	131.6		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U			0.017	U	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.4	B	-1.2	B	-1.1	B			-0.071	B	P
Arsenic	-1.1	B	1.1	U	1.1	U			0.110	U	P
Barium	2.3	U	2.3	U	2.3	U			-0.687	B	P
Cadmium	-0.2	B	-0.1	B	0.1	U			0.021	B	P
Chromium	-0.3	B	-0.8	B	-0.5	B			0.011	U	P
Selenium	1.4	U	-3.1	B	-3.1	B			0.140	U	P

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead	0.6	B	2.5	B	-1.4	B	1.0	B	-0.162	B	P

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead			-1.8	B	0.6	U	0.6	U			P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	217	-2	206.4	95.1			
Arsenic	0	109	-2	98.4	90.3			
Barium	0	504	1	458.0	90.9			
Cadmium	0	1086	2	1020.0	93.9			
Chromium	0	510	-1	472.0	92.5			
Selenium	0	41	-11	33.4	81.5			

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Lead	0	51	-6	46.8	91.8			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10081S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 61.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	80 - 120	6.3800		0.0521	U	7.43	85.9		P
Arsenic	80 - 120	7.0722		1.7670		5.94	89.3		P
Barium	80 - 120	303.3274		54.2686		297.09	83.8		P
Cadmium	80 - 120	7.1554		0.2150	B	7.43	93.4		P
Chromium	80 - 120	37.4035		10.7684		29.71	89.7		P
Lead		16.6221		13.9048		2.97	91.5		P
Selenium	80 - 120	7.1494		0.8200	B	7.43	85.2		P

Comments:

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

TS10081D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 61.2 % Solids for Duplicate: 61.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Silver		0.0521	U	0.0494	U			P
Arsenic		1.7670		1.2265	B	36.1		P
Barium	28.9	54.2686		40.8359		28.2		P
Cadmium		0.2150	B	0.2511	B	15.5		P
Chromium		10.7684		10.0401		7.0		P
Lead		13.9048		12.5336		10.4		P
Selenium		0.8200	B	0.2944	B	94.3		P

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	23.9		20.0	30.0	95.6
Arsenic				24.0	23.1		19.2	28.8	96.2
Barium				200.0	189.3		160.0	240.0	94.6
Cadmium				25.0	25.0		20.0	30.0	100.0
Chromium				20.0	19.3		16.0	24.0	96.5
Lead				22.0	24.3		17.6	26.4	110.5
Selenium				25.0	23.3		20.0	30.0	93.2

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

TS10081L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.36	U	1.80	U			P
Arsenic	12.22		9.76	B	20.1		P
Barium	375.30		429.40	B	14.4	E	P
Cadmium	1.49	B	0.70	U	100.0		P
Chromium	74.47		79.44		6.7		P
Lead	96.16		90.78		5.6		P
Selenium	5.67	B	9.85	B	73.7		P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: Date: 1/13/2010

Flame AA ID Number: Leeman Hydra AA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 1/2/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.36	P
Arsenic	189.042		10	1.1	P
Barium	493.409		200	2.3	P
Cadmium	226.502		5	0.14	P
Chromium	267.716		10	0.11	P
Lead	220.353		10	0.60	P
Selenium	196.026		35	1.4	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	-0.0010006	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0530902	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	-0.0000336	0.0000000	0.0000000	0.0002388	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001735
Molybdenum	202.030	0.0588018	0.0000000	0.0009164	0.0070064	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0043119	-0.0001740
Vanadium	292.402	0.0000000	0.0000000	0.0049409	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000079	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0033805	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0003363
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0160924	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0019468	0.0603189	0.0000000	0.0000000	-0.0017009
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0001510
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0009648	0.0000000	0.0019415
Vanadium	292.402	0.0000000	0.0000000	0.0002205	0.0000472	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0004684	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000284	0.0000000	0.0000000	0.0000282
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000179	0.0000000	0.0000000
Manganese	257.610	0.0001041	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0001893	0.0002224	0.0000000	0.0000000	0.0006230
Nickel	231.604	-0.0001218	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000744	0.0000000	0.0000310	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0128328	0.0000000	0.0041606	0.0003344
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0015511
Copper	324.754	-0.0036758	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000164	0.0000427	0.0000375	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0001152	0.0000000	0.0007821	0.0000000	0.0018096
Molybdenum	202.030	-0.0022171	-0.0021668	0.0005431	0.0008995	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0077086	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0005674	0.0000000	0.0000000	0.0019090	0.0005625
Vanadium	292.402	0.0000000	-0.0023318	0.0000000	0.0019249	-0.0079209
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000083			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0001201			
Iron	271.441	0.0000241	0.0000599			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000300			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0184759	-0.0002216			
Nickel	231.604	0.0000000	0.0047199			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0009140	-0.0008084			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 1/2/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	4000.0	P
Selenium	20.00	2000.0	P

Comments:

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS031010A	3/10/2010	0.50	50.0
PBS031010A	3/10/2010	0.30	50.0
TS10081	3/10/2010	0.33	50.0

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS031110B	3/11/2010	1.00	100.0
PBS031110B	3/11/2010	1.00	100.0
TS10081	3/11/2010	1.13	100.0
TS10081D	3/11/2010	1.19	100.0
TS10081S	3/11/2010	1.10	100.0

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 3/11/2010 End Date: 3/12/2010

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	2304				X	X		X		X										X	X					
STD7	1.00	2308																									
STD8	1.00	2312				X															X						
STD4	1.00	2316					X		X		X											X					
ICV	1.00	2320				X	X		X		X										X	X					
ICB	1.00	2323				X	X		X		X										X	X					
ICSA	1.00	2327				X	X		X		X										X	X					
ICSAB	1.00	2331				X	X		X		X										X	X					
CRI	1.00	2335				X	X		X		X										X	X					
ZZZZZZ	1.00	2339																									
CCV	1.00	2342				X	X		X		X										X	X					
CCB	1.00	2346				X	X		X		X										X	X					
PBS031110B	1.00	2350				X	X		X		X										X	X					
LCSS031110B	1.00	2354				X	X		X		X										X	X					
ZZZZZZ	1.00	2358																									
ZZZZZZ	5.00	0002																									
ZZZZZZ	1.00	0006																									
TS10081	1.00	0009				X	X		X		X										X	X					
TS10081L	5.00	0013				X	X		X		X										X	X					
TS10081S	1.00	0017				X	X		X		X										X	X					
TS10081D	1.00	0021				X	X		X		X										X	X					
ZZZZZZ	1.00	0025																									
CCV	1.00	0028				X	X		X		X										X	X					
CCB	1.00	0032				X	X		X		X										X	X					

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 3/11/2010 End Date: 3/11/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1111																X									
S0.2	1.00	1113																X									
S0.5	1.00	1115																X									
S1	1.00	1117																X									
S5	1.00	1119																X									
S10	1.00	1121																X									
ICV	1.00	1123																X									
ICB	1.00	1125																X									
CCV	1.00	1127																X									
CCB	1.00	1128																X									
PBS031010A	1.00	1130																X									
LCSS031010A	1.00	1132																X									
ZZZZZZ	1.00	1134																									
ZZZZZZ	1.00	1136																									
ZZZZZZ	1.00	1138																									
ZZZZZZ	1.00	1140																									
ZZZZZZ	1.00	1142																									
TS10081	1.00	1144																X									
CCV	1.00	1146																X									
CCB	1.00	1148																X									

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 3/15/2010 End Date: 3/15/2010

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1027													X												
STD7	1.00	1031																									
STD8	1.00	1035													X												
STD4	1.00	1039																									
ICV	1.00	1043													X												
ICB	1.00	1046													X												
ICSA	1.00	1050													X												
ICSAB	1.00	1054													X												
CRI	1.00	1058													X												
CCV	1.00	1102													X												
CCB	1.00	1105													X												
ZZZZZZ	1.00	1109																									
ZZZZZZ	1.00	1113																									
ZZZZZZ	1.00	1117																									
ZZZZZZ	5.00	1121																									
ZZZZZZ	1.00	1125																									
ZZZZZZ	5.00	1129																									
ZZZZZZ	25.00	1132																									
ZZZZZZ	1.00	1136																									
ZZZZZZ	1.00	1140																									
ZZZZZZ	1.00	1144																									
CCV	1.00	1148													X												
CCB	1.00	1152													X												
ZZZZZZ	5.00	1155																									
ZZZZZZ	1.00	1159																									
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1207																									
ZZZZZZ	5.00	1211																									
ZZZZZZ	1.00	1215																									
ZZZZZZ	1.00	1218																									
ZZZZZZ	1.00	1222																									
ZZZZZZ	5.00	1226																									
ZZZZZZ	1.00	1230																									
CCV	1.00	1234													X												
CCB	1.00	1238													X												
ZZZZZZ	1.00	1241																									
ZZZZZZ	1.00	1245																									
ZZZZZZ	5.00	1249																									

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 3/15/2010 End Date: 3/15/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1253																									
ZZZZZZ	1.00	1257																									
ZZZZZZ	1.00	1301																									
ZZZZZZ	5.00	1304																									
ZZZZZZ	1.00	1308																									
ZZZZZZ	1.00	1312																									
ZZZZZZ	1.00	1316																									
CCV	1.00	1320													X												
CCB	1.00	1324													X												
ZZZZZZ	5.00	1327																									
ZZZZZZ	1.00	1331																									
ZZZZZZ	1.00	1335																									
ZZZZZZ	1.00	1339																									
ZZZZZZ	1.00	1343																									
ZZZZZZ	1.00	1347																									
ZZZZZZ	1.00	1350																									
PBS031110B	1.00	1354													X												
LCSS031110B	1.00	1358													X												
TS10081	1.00	1402													X												
CCV	1.00	1406													X												
CCB	1.00	1410													X												
TS10081L	5.00	1413													X												
TS10081S	1.00	1417													X												
TS10081D	1.00	1421													X												
CCV	1.00	1425													X												
CCB	1.00	1429													X												

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Geotechnical

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

TS10081

Lab Name: TestAmerica Burlington

Contract: 64536.0.02

SDG No.: KAL533

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 821804

Matrix: SOIL

Client: BBLKAL

Date Received: 03/05/10

% Solids: 61.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
D2487	Gravel	03/18/10		%	1		3.8	
D2487	Sand	03/18/10		%	1		71.2	
D2487	Fines	03/18/10		%	1		25.0	
D2487	Group Name	03/18/10			1		Silty sand	
D2487	Group Symbol	03/18/10			1		SM	
D2974	Organic Soils	03/10/10		%	1	0.0	23.9	
D4318	Liquid Limit	03/10/10			1		0	
D4318	Plasticity Index	03/10/10			1		NP	
D4318	Plastic Limit	03/10/10			1		0	

ASTM Method D2487: Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)

Client Code: BBLKAL
ETR: 136215
SDG: KAL533

Analysis Date: 3/18/2010
Analysis Time: 0818
Analyst: DJP

Laboratory Number	Group Name	Group Symbol	Distribution Gravel (%)	Sand (%)	Fines (%)	Shape (≥2000 um)	Hardness (≥2000 um)	Liquid Limit	Plasticity Index
821804	Silty sand	SM	3.8	71.2	25.0	subrounded	hard	0	NP

The following methods were used in support of ASTM D2487 Classification:
ASTM D422 - Standard Test Method for Particle Size Analysis of Soils
ASTM D4318 - Standard Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils

ASTM Method D2974: Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils
Calculations

Client Code: BBLKAL
ETR: 136215
SDG: KAL533

Start Date: 03/10/10
Start Time: 2200
End Date: 03/13/10
Analyst: MAP

Laboratory Number	Weight of Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Pan+ Ashed Sample (g)	Wet Sample (g)	Dry Sample (g)	Organic Matter (g)	Moisture Content (%)	Organic Matter (%)	Ash Content (%)
821804	3.96	83.10	52.54	40.93	79.14	48.58	11.61	62.9	23.9	76.1

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

Client Code:	BBLKAL	**Start Date:**	3/10/2010
ETR:	136215	**Start Time:**	2200
SDG:	KAL533	**End Date:**	3/10/2010
		Analyst:	MAP

Liquid Limit Test Multi-points Analysis

	15 to 25					20 to 30					25 to 35				
Laboratory Number	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)
821804															

Client Code:	BBLKAL	**Start Date:**	3/10/2010
ETR:	136215	**Start Time:**	2200

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

SDG: KAL533

End Date: 3/10/2010
Analyst: MAP

Plasticity Limit Test										
	1					2				
Laboratory Number	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)
821804										

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

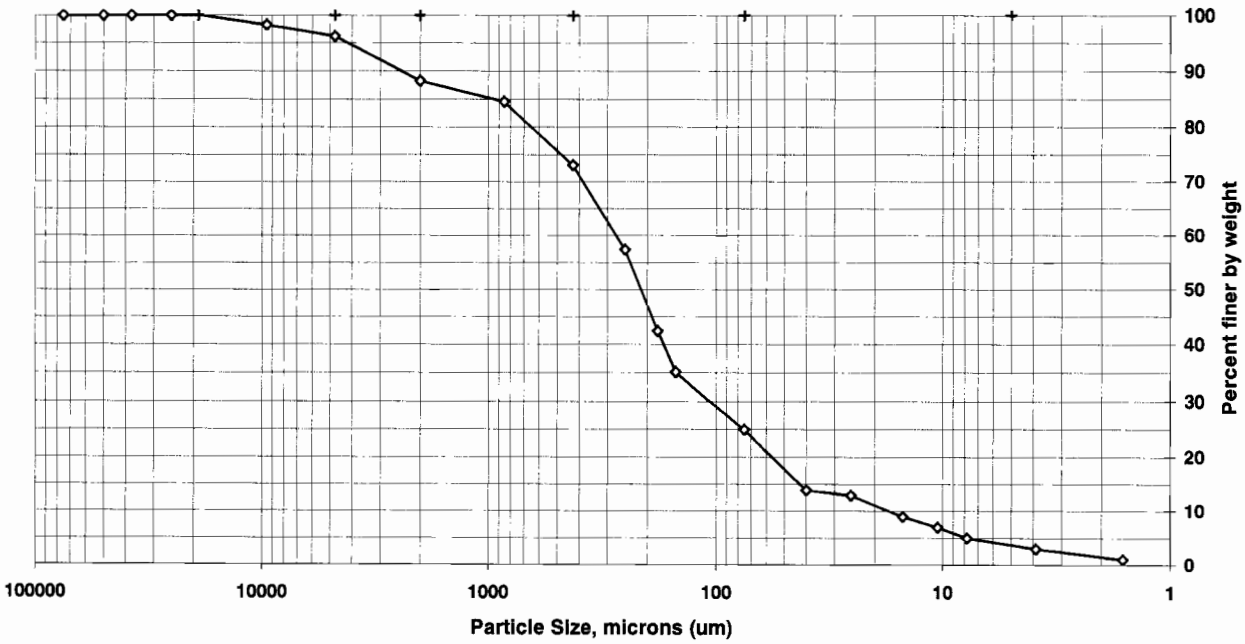
Client Code:	BBLKAL	**Start Date:**	3/10/2010
ETR:	136215	**Start Time:**	2200
SDG:	KAL533	**End Date:**	3/10/2010
		Analyst:	MAP

	Liquid Limit Test						Plasticity Limit Test						
	15 to 25		20 to 30		25 to 35								
Laboratory Number	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Water Content (%)**	**Water Content (%)**	**Liquid Limit**	**Plastic Limit**	**Plasticity Index**	**Air Dried**	**Percent Retained on #40 Sieve (%)**
821804									0	0	NP	NO	

Particle Size of Soils by ASTM D422

Client Code:	BBLKAL	**SDG:**	KAL533	**Date Received:**	3/5/2010
Sample ID:	TS10081	**ETR(s):**	136215	**Start Date:**	3/5/2010
Lab ID:	821804			**End Date:**	3/15/2010

Percent Solids:	61.6%	**Non-soil material:**	plant
Specific Gravity:	2.301	**Shape (> #10):**	subrounded
Maximum Particle Size:	19 mm	**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	98.3	1.7
#4	4750	96.2	2.1
#10	2000	88.2	8.0
#20	850	84.6	3.6
#40	425	73.1	11.5
#60	250	57.4	15.7
#80	180	42.4	15.0
#100	150	35.1	7.3
#200	75	25.0	10.2
Hydrometer	40.0	13.9	11.1
|	25.4	12.9	1.0
|	15.0	8.9	4.0
|	10.5	6.9	2.0
|	7.8	5.0	2.0
|	3.9	3.0	2.0
V	1.6	1.0	2.0

Soil Classification	Percent of Total Sample
Gravel	3.8
Sand	71.2
Coarse Sand	8.0
Medium Sand	15.1
Fine Sand	48.1
Silt	20.0
Clay	5.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	8.2	U
74-87-3	Chloromethane	8.2	U
75-01-4	Vinyl Chloride	8.2	U
74-83-9	Bromomethane	8.2	U
75-00-3	Chloroethane	8.2	U
75-69-4	Trichlorofluoromethane	8.2	U
75-35-4	1,1-Dichloroethene	8.2	U
76-13-1	Freon TF	8.2	U
67-64-1	Acetone	120	
75-15-0	Carbon Disulfide	8.2	U
75-09-2	Methylene Chloride	8.2	U
156-60-5	trans-1,2-Dichloroethene	8.2	U
1634-04-4	Methyl-t-Butyl Ether	8.2	U
75-34-3	1,1-Dichloroethane	8.2	U
156-59-2	cis-1,2-Dichloroethene	8.2	U
78-93-3	2-Butanone	5.8	J
74-97-5	Bromochloromethane	8.2	U
67-66-3	Chloroform	8.2	U
71-55-6	1,1,1-Trichloroethane	8.2	U
56-23-5	Carbon Tetrachloride	8.2	U
71-43-2	Benzene	8.2	U
107-06-2	1,2-Dichloroethane	8.2	U
79-01-6	Trichloroethene	8.2	U
78-87-5	1,2-Dichloropropane	8.2	U
75-27-4	Bromodichloromethane	8.2	U
10061-01-5	cis-1,3-Dichloropropene	8.2	U
108-10-1	4-Methyl-2-pentanone	8.2	U
108-88-3	Toluene	8.2	U
10061-02-6	trans-1,3-Dichloropropene	8.2	U
79-00-5	1,1,2-Trichloroethane	8.2	U
127-18-4	Tetrachloroethene	8.2	U
591-78-6	2-Hexanone	2.5	J
124-48-1	Dibromochloromethane	8.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	8.2	U
108-90-7	Chlorobenzene	8.2	U
100-41-4	Ethylbenzene	8.2	U
1330-20-7	Xylene (total)	8.2	U
100-42-5	Styrene	8.2	U
75-25-2	Bromoform	8.2	U
98-82-8	Isopropylbenzene	8.2	U
79-34-5	1,1,2,2-Tetrachloroethane	8.2	U
541-73-1	1,3-Dichlorobenzene	1.7	J
106-46-7	1,4-Dichlorobenzene	2.3	J
95-50-1	1,2-Dichlorobenzene	1.6	J
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	J
120-82-1	1,2,4-Trichlorobenzene	3.3	J
87-61-6	1,2,3-Trichlorobenzene	3.4	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.06	9.8	JB
2.	UNKNOWN	22.80	10	JB
3.				
4.				
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804I2

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	8.2	U
74-87-3	Chloromethane	8.2	U
75-01-4	Vinyl Chloride	8.2	U
74-83-9	Bromomethane	8.2	U
75-00-3	Chloroethane	8.2	U
75-69-4	Trichlorofluoromethane	8.2	U
75-35-4	1,1-Dichloroethene	8.2	U
76-13-1	Freon TF	8.2	U
67-64-1	Acetone	220	
75-15-0	Carbon Disulfide	8.2	U
75-09-2	Methylene Chloride	8.2	U
156-60-5	trans-1,2-Dichloroethene	8.2	U
1634-04-4	Methyl-t-Butyl Ether	8.2	U
75-34-3	1,1-Dichloroethane	8.2	U
156-59-2	cis-1,2-Dichloroethene	8.2	U
78-93-3	2-Butanone	6.3	J
74-97-5	Bromochloromethane	8.2	U
67-66-3	Chloroform	8.2	U
71-55-6	1,1,1-Trichloroethane	8.2	U
56-23-5	Carbon Tetrachloride	8.2	U
71-43-2	Benzene	8.2	U
107-06-2	1,2-Dichloroethane	8.2	U
79-01-6	Trichloroethene	8.2	U
78-87-5	1,2-Dichloropropane	8.2	U
75-27-4	Bromodichloromethane	8.2	U
10061-01-5	cis-1,3-Dichloropropene	8.2	U
108-10-1	4-Methyl-2-pentanone	8.2	U
108-88-3	Toluene	8.2	U
10061-02-6	trans-1,3-Dichloropropene	8.2	U
79-00-5	1,1,2-Trichloroethane	8.2	U
127-18-4	Tetrachloroethene	8.2	U
591-78-6	2-Hexanone	8.2	U
124-48-1	Dibromochloromethane	8.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804I2

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	8.2	U
108-90-7	Chlorobenzene	8.2	U
100-41-4	Ethylbenzene	8.2	U
1330-20-7	Xylene (total)	8.2	U
100-42-5	Styrene	8.2	U
75-25-2	Bromoform	8.2	U
98-82-8	Isopropylbenzene	8.2	U
79-34-5	1,1,2,2-Tetrachloroethane	8.2	U
541-73-1	1,3-Dichlorobenzene	1.7	J
106-46-7	1,4-Dichlorobenzene	2.7	J
95-50-1	1,2-Dichlorobenzene	1.6	J
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	J
120-82-1	1,2,4-Trichlorobenzene	3.4	J
87-61-6	1,2,3-Trichlorobenzene	3.7	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10081RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804I2

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.05	14	JB
2.	UNKNOWN	22.79	19	JB
3.				
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK031810NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAAB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK031810NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAAB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK031810NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAAB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	21.04	7.6	J
2.		UNKNOWN	22.78	7.9	J
3.					
4.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA031810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: NA031810LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAA050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	45	
74-87-3	Chloromethane	44	
75-01-4	Vinyl Chloride	43	
74-83-9	Bromomethane	38	
75-00-3	Chloroethane	44	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	45	
76-13-1	Freon TF	44	
67-64-1	Acetone	40	
75-15-0	Carbon Disulfide	43	
75-09-2	Methylene Chloride	44	
156-60-5	trans-1,2-Dichloroethene	45	
1634-04-4	Methyl-t-Butyl Ether	45	
75-34-3	1,1-Dichloroethane	45	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-Butanone	51	
74-97-5	Bromochloromethane	45	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon Tetrachloride	46	
71-43-2	Benzene	46	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	47	
78-87-5	1,2-Dichloropropane	46	
75-27-4	Bromodichloromethane	47	
10061-01-5	cis-1,3-Dichloropropene	48	
108-10-1	4-Methyl-2-pentanone	47	
108-88-3	Toluene	47	
10061-02-6	trans-1,3-Dichloropropene	48	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	49	
591-78-6	2-Hexanone	49	
124-48-1	Dibromochloromethane	49	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA031810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: NA031810LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAA050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	49	
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	48	
1330-20-7	Xylene (total)	140	
100-42-5	Styrene	49	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	47	
79-34-5	1,1,2,2-Tetrachloroethane	48	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-Chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	49	
87-61-6	1,2,3-Trichlorobenzene	50	

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NA031810LCS	96	97	98	96	0
02	MBLK031810NA	105	96	98	96	0
03	TS10081	144	134*	132*	96	2
04	TS10081RE	151	180*	190*	126	2
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - Sample No.: NA031810LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		97	97	80-120
Xylene (o)	50		48	96	85-120
Dichlorodifluoromethane	50		45	90	30-180
Chloromethane	50		44	88	55-150
Vinyl Chloride	50		43	86	65-145
Bromomethane	50		38	76	65-145
Chloroethane	50		44	88	70-135
Trichlorofluoromethane	50		46	92	70-140
1,1-Dichloroethene	50		45	90	75-135
Freon TF	50		44	88	75-140
Acetone	50		40	80	50-130
Carbon Disulfide	50		43	86	80-135
Methylene Chloride	50		44	88	75-140
trans-1,2-Dichloroethen	50		45	90	80-130
Methyl-t-Butyl Ether	50		45	90	85-130
1,1-Dichloroethane	50		45	90	85-120
cis-1,2-Dichloroethene	50		45	90	80-120
2-Butanone	50		51	102	70-135
Bromochloromethane	50		45	90	75-125
Chloroform	50		46	92	85-120
1,1,1-Trichloroethane	50		46	92	80-115
Carbon Tetrachloride	50		46	92	80-115
Benzene	50		46	92	85-120
1,2-Dichloroethane	50		46	92	75-120
Trichloroethene	50		47	94	85-120
1,2-Dichloropropane	50		46	92	85-120
Bromodichloromethane	50		47	94	80-115
cis-1,3-Dichloropropene	50		48	96	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - Sample No.: NA031810LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		47	94	65-135
Toluene	50		47	94	75-125
trans-1,3-Dichloroprope	50		48	96	85-120
1,1,2-Trichloroethane	50		49	98	75-125
Tetrachloroethene	50		49	98	85-120
2-Hexanone	50		49	98	70-135
Dibromochloromethane	50		49	98	80-120
1,2-Dibromoethane	50		49	98	80-120
Chlorobenzene	50		47	94	80-120
Ethylbenzene	50		48	96	80-120
Xylene (total)	150		140	93	85-120
Styrene	50		49	98	80-125
Bromoform	50		48	96	75-130
Isopropylbenzene	50		47	94	85-120
1,1,2,2-Tetrachloroetha	50		48	96	75-125
1,3-Dichlorobenzene	50		48	96	80-120
1,4-Dichlorobenzene	50		48	96	85-120
1,2-Dichlorobenzene	50		47	94	85-120
1,2-Dibromo-3-Chloropro	50		48	96	65-130
1,2,4-Trichlorobenzene	50		49	98	80-125
1,2,3-Trichlorobenzene	50		50	100	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: NAAB05 Lab Sample ID: MBLK031810NA

Date Analyzed: 03/18/10 Time Analyzed: 1322

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA031810LCS	NA031810LCS	NAA050Q	1220
02	TS10081	821804	821804	1406
03	TS10081RE	821804R1	821804I2	1508
04				
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: NAA01PV BFB Injection Date: 03/18/10

Instrument ID: N BFB Injection Time: 0750

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	41.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.4 (7.5)1
176	95.0 - 101.0% of mass 174	71.5 (98.8)1
177	5.0 - 9.0% of mass 176	4.6 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NAA005V	03/18/10	0844
02	VSTD020	VSTD020	NAA020V	03/18/10	0915
03	VSTD050	VSTD050	NAA050V	03/18/10	0946
04	VSTD100	VSTD100	NAA100V	03/18/10	1017
05	VSTD200	VSTD200	NAA200V	03/18/10	1048
06	NA031810LCS	NA031810LCS	NAA050Q	03/18/10	1220
07	MBLK031810NA	MBLK031810NA	NAAB05	03/18/10	1322
08	TS10081	821804	821804	03/18/10	1406
09	TS10081RE	821804R1	821804I2	03/18/10	1508
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FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: N Calibration Date(s): 03/18/10 03/18/10

Heated Purge: (Y/N) Y Calibration Time(s): 0844 1048

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAA005V RRF20 =NAA020V
RRF50 =NAA050V RRF100=NAA100V RRF200=NAA200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.863	0.807	0.810	0.863	0.822	0.833	3.3*
Chloromethane *	0.454	0.412	0.408	0.466	0.429	0.434	5.9*
Vinyl Chloride *	0.451	0.435	0.429	0.488	0.461	0.453	5.2*
Bromomethane *	0.539	0.412	0.362	0.342	0.308	0.393	23.0*<-
Chloroethane *	0.273	0.239	0.238	0.244	0.179	0.235	14.7*
Trichlorofluoromethane *	1.019	0.956	1.020	1.025	0.999	1.004	2.9*
1,1-Dichloroethene *	0.444	0.414	0.417	0.401	0.424	0.420	3.7*
Freon TF *	1.035	0.961	0.959	0.912	0.971	0.968	4.6*
Acetone *	0.074	0.064	0.055	0.049	0.054	0.059	16.6*<-
Carbon Disulfide *	1.332	1.238	1.257	1.221	1.304	1.270	3.6*
Methylene Chloride *	0.428	0.415	0.422	0.414	0.444	0.425	2.9*
trans-1,2-Dichloroethene *	0.474	0.440	0.455	0.441	0.464	0.455	3.2*
Methyl-t-Butyl Ether *	0.810	0.791	0.810	0.805	0.839	0.811	2.1*
1,1-Dichloroethane *	0.797	0.758	0.770	0.756	0.785	0.773	2.3*
cis-1,2-Dichloroethene *	0.476	0.435	0.446	0.430	0.426	0.443	4.5*
2-Butanone *	0.029	0.029	0.030	0.028	0.028	0.029	3.4*
Bromochloromethane *	0.314	0.297	0.295	0.289	0.276	0.294	4.8*
Chloroform *	0.860	0.832	0.832	0.821	0.803	0.830	2.5*
1,1,1-Trichloroethane *	0.738	0.730	0.746	0.738	0.723	0.735	1.2*
Carbon Tetrachloride *	0.759	0.760	0.777	0.763	0.752	0.762	1.2*
Benzene *	0.914	0.859	0.861	0.833	0.777	0.849	5.9*
1,2-Dichloroethane *	0.403	0.399	0.404	0.403	0.390	0.400	1.4*
Trichloroethene *	0.641	0.631	0.637	0.613	0.594	0.623	3.1*
1,2-Dichloropropane *	0.543	0.533	0.529	0.524	0.485	0.523	4.2*
Bromodichloromethane *	1.075	1.048	1.058	1.059	1.015	1.051	2.1*
cis-1,3-Dichloropropene *	0.806	0.794	0.822	0.809	0.780	0.802	2.0*
4-Methyl-2-pentanone *	0.402	0.351	0.368	0.354	0.350	0.365	6.1*
Toluene *	0.707	0.697	0.695	0.672	0.659	0.686	2.9*
trans-1,3-Dichloropropene *	0.517	0.526	0.546	0.536	0.530	0.531	2.1*
1,1,2-Trichloroethane *	0.354	0.354	0.359	0.341	0.338	0.349	2.7*
Tetrachloroethene *	0.609	0.590	0.594	0.561	0.554	0.582	4.0*
2-Hexanone *	0.235	0.185	0.193	0.187	0.184	0.197	11.0*
Dibromochloromethane *	0.806	0.795	0.829	0.809	0.808	0.809	1.5*
1,2-Dibromoethane *	0.680	0.666	0.687	0.667	0.652	0.670	2.0*
Chlorobenzene *	1.025	0.989	0.998	0.961	0.954	0.985	2.9*
Ethylbenzene *	1.423	1.366	1.392	1.332	1.295	1.362	3.7*
Xylene (total) *	0.547	0.532	0.538	0.521	0.496	0.527	3.7*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: N Calibration Date(s): 03/18/10 03/18/10

Heated Purge: (Y/N) Y Calibration Time(s): 0844 1048

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAA005V RRF20 =NAA020V
RRF50 =NAA050V RRF100=NAA100V RRF200=NAA200V

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene	*	0.894	0.913	0.916	0.894	0.840	0.891	3.4*
Bromoform	*	0.595	0.590	0.623	0.597	0.596	0.600	2.1*
Isopropylbenzene	*	2.677	2.553	2.697	2.613	2.530	2.614	2.8*
1,1,2,2-Tetrachloroethane	*	1.346	1.250	1.320	1.247	1.191	1.271	4.9*
1,3-Dichlorobenzene	*	1.554	1.456	1.480	1.458	1.466	1.483	2.8*
1,4-Dichlorobenzene	*	1.666	1.529	1.540	1.518	1.471	1.545	4.7*
1,2-Dichlorobenzene	*	1.447	1.368	1.405	1.359	1.345	1.385	3.0*
1,2-Dibromo-3-Chloropropane	*	0.269	0.250	0.276	0.282	0.281	0.272	4.8*
1,2,4-Trichlorobenzene	*	1.144	1.041	1.142	1.144	1.091	1.112	4.1*
1,2,3-Trichlorobenzene	*	1.040	0.955	1.038	1.048	0.992	1.015	3.9*
1,2-Dichloroethane-d4	*	0.336	0.333	0.340	0.337	0.332	0.336	1.0*
Toluene-d8	*	1.105	1.073	1.072	1.045	1.030	1.065	2.7*
Bromofluorobenzene	*	1.344	1.280	1.342	1.306	1.284	1.311	2.3*
1,2-Dichlorobenzene-d4	*	0.983	0.906	0.938	0.934	0.948	0.942	2.9*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): NAA050V Date Analyzed: 03/18/10

Instrument ID: N Time Analyzed: 0946

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	3924583	9.54	5045832	15.46	2891675	19.92
	UPPER LIMIT	7849166	10.04	10091664	15.96	5783350	20.42
	LOWER LIMIT	1962292	9.04	2522916	14.96	1445838	19.42
	CLIENT SAMPLE NO.						
01	NA031810LCS	4142579	9.54	5211041	15.47	3069788	19.92
02	MBLK031810NA	3581403	9.54	4778633	15.46	2798612	19.92
03	TS10081	1835466*	9.52	1705096*	15.46	686005*	19.93
04	TS10081RE	1631078*	9.53	1243329*	15.46	367381*	19.93
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

TestAmerica

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Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: 39 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/17/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	560	U
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)Ether	560	U
95-57-8	2-Chlorophenol	560	U
95-48-7	2-Methylphenol	560	U
108-60-1	2,2'-oxybis(1-Chloropropane)	560	U
98-86-2	Acetophenone	560	U
106-44-5	4-Methylphenol	560	U
621-64-7	N-Nitroso-di-n-propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
91-20-3	Naphthalene	560	U
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
105-60-2	Caprolactam	560	U
59-50-7	4-Chloro-3-Methylphenol	560	U
91-57-6	2-Methylnaphthalene	560	U
95-94-3	1,2,4,5-Tetrachlorobenzene	560	U
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	560	U
92-52-4	1,1'-Biphenyl	560	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	560	U
208-96-8	Acenaphthylene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	1400	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: 39 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/17/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	560	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	560	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	560	U
86-73-7	Fluorene	560	U
84-66-2	Diethylphthalate	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-nitrosodiphenylamine (1)	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
1912-24-9	Atrazine	560	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	560	U
120-12-7	Anthracene	560	U
86-74-8	Carbazole	560	U
84-74-2	Di-n-butylphthalate	560	U
206-44-0	Fluoranthene	560	U
129-00-0	Pyrene	560	U
85-68-7	Butylbenzylphthalate	29	J
56-55-3	Benzo(a)anthracene	560	U
91-94-1	3,3'-Dichlorobenzidine	560	U
218-01-9	Chrysene	560	U
117-81-7	bis(2-Ethylhexyl)phthalate	66	JB
117-84-0	Di-n-octylphthalate	560	U
205-99-2	Benzo(b)fluoranthene	560	U
207-08-9	Benzo(k)fluoranthene	560	U
50-32-8	Benzo(a)pyrene	560	U
193-39-5	Indeno(1,2,3-cd)pyrene	560	U
53-70-3	Dibenz(a,h)anthracene	560	U
191-24-2	Benzo(g,h,i)perylene	560	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK030910B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK030910B

Sample wt/vol: 29.5 (g/mL) G Lab File ID: B0309B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	840	U
91-58-7	2-Chloronaphthalene	340	U
92-52-4	1,1'-Biphenyl	340	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	840	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK030910B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK030910B

Sample wt/vol: 29.5 (g/mL) G Lab File ID: B0309B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	840	U
132-64-9	Dibenzofuran	340	U
100-02-7	4-Nitrophenol	840	U
121-14-2	2,4-Dinitrotoluene	340	U
86-73-7	Fluorene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-methylphenol	840	U
86-30-6	N-nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo(a)anthracene	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	16	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: B030910LCS

Sample wt/vol: 29.7 (g/mL) G Lab File ID: Q0309B2

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	1500	
95-57-8	2-Chlorophenol	1500	
95-48-7	2-Methylphenol	1500	
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	1500	
621-64-7	N-Nitroso-di-n-propylamine	1600	
67-72-1	Hexachloroethane	1500	
98-95-3	Nitrobenzene	1500	
78-59-1	Isophorone	1600	
88-75-5	2-Nitrophenol	1500	
105-67-9	2,4-Dimethylphenol	1400	
111-91-1	bis(2-Chloroethoxy)methane	1500	
120-83-2	2,4-Dichlorophenol	1500	
91-20-3	Naphthalene	1500	
106-47-8	4-Chloroaniline	410	
87-68-3	Hexachlorobutadiene	1500	
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1600	
91-57-6	2-Methylnaphthalene	1600	
95-94-3	1,2,4,5-Tetrachlorobenzene	1400	
77-47-4	Hexachlorocyclopentadiene	1600	
88-06-2	2,4,6-Trichlorophenol	1500	
95-95-4	2,4,5-Trichlorophenol	1600	
91-58-7	2-Chloronaphthalene	1400	
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	1600	
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1600	
606-20-2	2,6-Dinitrotoluene	1600	
99-09-2	3-Nitroaniline	860	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: B030910LCS

Sample wt/vol: 29.7 (g/mL) G Lab File ID: Q0309B2

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1500	
51-28-5	2,4-Dinitrophenol	1700	
132-64-9	Dibenzofuran	1600	
100-02-7	4-Nitrophenol	1600	
121-14-2	2,4-Dinitrotoluene	1700	
86-73-7	Fluorene	1600	
84-66-2	Diethylphthalate	1700	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1700	
86-30-6	N-nitrosodiphenylamine (1)	1500	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1600	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1500	
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	1800	
56-55-3	Benzo(a)anthracene	1600	
91-94-1	3,3'-Dichlorobenzidine	950	
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl)phthalate	1700	B
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	2000	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenz(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	1600	

(1) - Cannot be separated from Diphenylamine

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Level:(low/med) LOW

	BBLKAL SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (2CP) #	S4 (DCB) #	S5 (NBZ) #	S6 (FBP) #	S7 (TBP) #	S8 (TPH) #	TOT OUT
01	TS10081	67	66	69	65	66	72	62	66	0
02	MBLK030910B	65	63	67	60	63	66	67	63	0
03	B030910LCS	78	78	82	76	77	77	82	87	0
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06										
07										
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		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - STLVT Sample No.: B030910LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	1700		1600	94	60-140
bis(2-Chloroethyl)Ether	1700		1500	88	60-125
2-Chlorophenol	1700		1500	88	60-125
2-Methylphenol	1700		1500	88	50-135
2,2'-oxybis(1-Chloropro	1700		1500	88	60-130
4-Methylphenol	1700		1500	88	35-140
N-Nitroso-di-n-prop.(1)	1700		1600	94	45-125
Hexachloroethane	1700		1500	88	55-120
Nitrobenzene	1700		1500	88	55-120
Isophorone	1700		1600	94	50-115
2-Nitrophenol	1700		1500	88	55-135
2,4-Dimethylphenol	1700		1400	82	25-150
bis(2-Chloroethoxy)meth	1700		1500	88	55-125
2,4-Dichlorophenol	1700		1500	88	55-130
Naphthalene	1700		1500	88	55-120
4-Chloroaniline	1700		410	24	10- 90
Hexachlorobutadiene	1700		1500	88	50-130
4-Chloro-3-Methylphenol	1700		1600	94	60-140
2-Methylnaphthalene	1700		1600	94	45-150
Hexachlorocyclopentadie	1700		1600	94	30-105
2,4,6-Trichlorophenol	1700		1500	88	60-135
2,4,5-Trichlorophenol	1700		1600	94	60-130
2-Chloronaphthalene	1700		1400	82	45-120
2-Nitroaniline	1700		1600	94	50-125
Dimethylphthalate	1700		1600	94	55-120
Acenaphthylene	1700		1600	94	50-115
2,6-Dinitrotoluene	1700		1600	94	55-130
3-Nitroaniline	1700		860	50	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - STLVT Sample No.: B030910LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1700		1500	88	55-120
2,4-Dinitrophenol	1700		1700	100	25-160
Dibenzofuran	1700		1600	94	55-120
4-Nitrophenol	1700		1600	94	30-155
2,4-Dinitrotoluene	1700		1700	100	50-120
Fluorene	1700		1600	94	50-125
Diethylphthalate	1700		1700	100	50-125
4-Chlorophenyl-phenylet	1700		1600	94	50-120
4-Nitroaniline	1700		1500	88	25-115
4,6-Dinitro-2-methylphe	1700		1700	100	55-160
N-nitrosodiphenylamine	1700		1500	88	45-130
4-Bromophenyl-phenyleth	1700		1500	88	55-130
Hexachlorobenzene	1700		1600	94	55-125
Pentachlorophenol	1700		1400	82	50-140
Phenanthrene	1700		1500	88	60-125
Anthracene	1700		1500	88	60-125
Carbazole	1700		1600	94	55-125
Di-n-butylphthalate	1700		1600	94	50-120
Fluoranthene	1700		1500	88	50-120
Pyrene	1700		1900	112	35-175
Butylbenzylphthalate	1700		1800	106	65-145
Benzo(a)anthracene	1700		1600	94	55-130
3,3'-Dichlorobenzidine	1700		950	56	10-120
Chrysene	1700		1600	94	60-125
bis(2-Ethylhexyl)phthal	1700		1700	100	55-140
Di-n-octylphthalate	1700		1500	88	60-135
Benzo(b)fluoranthene	1700		1600	94	45-130
Benzo(k)fluoranthene	1700		2000	118	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - STLVT Sample No.: B030910LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Benzo(a)pyrene	1700		1700	100	55-120
Indeno(1,2,3-cd)pyrene	1700		1600	94	55-135
Dibenz(a,h)anthracene	1700		1500	88	35-145
Benzo(g,h,i)perylene	1700		1600	94	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 60 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK030910B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: B0309B Lab Sample ID: MBLK030910B

Instrument ID: P Date Extracted: 03/09/10

Matrix: (soil/water) SOIL Date Analyzed: 03/18/10

Level:(low/med) LOW Time Analyzed: 1202

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	TS10081	821804	821804	03/17/10
02	B030910LCS	B030910LCS	Q0309B2	03/18/10
03				
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COMMENTS:

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: PGK07PS DFTPP Injection Date: 03/17/10

Instrument ID: P DFTPP Injection Time: 1023

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	74.9
70	Less than 2.0% of mass 69	0.4 (0.5)1
127	40.0 - 60.0% of mass 198	58.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	21.5
365	Greater than 1.0% of mass 198	3.24
441	Present, but less than mass 443	15.4
442	Greater than 40.0% of mass 198	100.2
443	17.0 - 23.0% of mass 442	18.8 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD140	SSTD140	PGK140I2	03/17/10	1125
02	SSTD160	SSTD160	PGK160I2	03/17/10	1203
03	SSTD120	SSTD120	PGK120	03/17/10	1242
04	SSTD100	SSTD100	PGK100	03/17/10	1320
05	SSTD080	SSTD080	PGK080	03/17/10	1359
06	SSTD050	SSTD050	PGK050	03/17/10	1438
07	SSTD020	SSTD020	PGK020	03/17/10	1516
08	SSTD320	SSTD320	PGK320	03/17/10	1555
09	TS10081	821804	821804	03/17/10	2219
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: PGK09PS DFTPP Injection Date: 03/18/10

Instrument ID: P DFTPP Injection Time: 1023

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	72.8
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	57.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	20.8
365	Greater than 1.0% of mass 198	2.98
441	Present, but less than mass 443	15.3
442	Greater than 40.0% of mass 198	94.3
443	17.0 - 23.0% of mass 442	18.0 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	PGK080A	03/18/10	1045
02	MBLK030910B	MBLK030910B	B0309B	03/18/10	1202
03	B030910LCS	B030910LCS	Q0309B2	03/18/10	1400
04					
05					
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6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =pgk020.d RRF50 =pgk050.d
RRF80 =pgk080.d RRF100=pgk100.d RRF120=pgk120.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD	
Benzaldehyde		1.279	1.088	0.906	0.817	0.761			
Phenol	*	1.770	1.845	1.775	1.825	1.802			*
bis(2-Chloroethyl)Ether		1.478	1.563	1.515	1.538	1.518			
2-Chlorophenol		1.565	1.582	1.539	1.525	1.547			
2-Methylphenol		1.153	1.162	1.164	1.150	1.145			
2,2'-oxybis(1-Chloropropane		1.727	1.759	1.740	1.737	1.768			
Acetophenone		1.945	1.886	1.816	1.836	1.857			
4-Methylphenol		1.470	1.495	1.485	1.520	1.465			
N-Nitroso-di-n-propylamine	#	1.076	1.132	1.072	1.099	1.077			#
Hexachloroethane		0.740	0.768	0.772	0.759	0.762			
Nitrobenzene		0.443	0.438	0.442	0.436	0.453			
Isophorone		0.757	0.784	0.762	0.760	0.776			
2-Nitrophenol	*	0.225	0.228	0.232	0.226	0.229			*
2,4-Dimethylphenol		0.375	0.388	0.383	0.388	0.392			
bis(2-Chloroethoxy)methane		0.456	0.451	0.438	0.427	0.438			
2,4-Dichlorophenol	*	0.307	0.304	0.298	0.295	0.304			*
Naphthalene		1.107	1.109	1.084	1.096	1.121			
4-Chloroaniline		0.468	0.472	0.461	0.469	0.471			
Hexachlorobutadiene	*	0.173	0.178	0.170	0.172	0.178			*
Caprolactam		0.130	0.127	0.126	0.125	0.120			
4-Chloro-3-Methylphenol	*	0.326	0.328	0.322	0.310	0.313			*
2-Methylnaphthalene		0.251	0.250	0.239	0.233	0.235			
1,2,4,5-Tetrachlorobenzene		0.613	0.612	0.588	0.578	0.601			
Hexachlorocyclopentadiene	#	0.212	0.283	0.297	0.310	0.338			#
2,4,6-Trichlorophenol	*	0.406	0.423	0.401	0.398	0.414			*
2,4,5-Trichlorophenol			0.434	0.418	0.423	0.432			
2-Chloronaphthalene		0.544	0.555	0.519	0.524	0.538			
1,1'-Biphenyl		1.588	1.523	1.422	1.435	1.503			
2-Nitroaniline			0.478	0.471	0.463	0.493			
Dimethylphthalate		1.373	1.399	1.326	1.311	1.396			
Acenaphthylene		1.963	1.990	1.916	1.917	2.069			
2,6-Dinitrotoluene		0.345	0.369	0.352	0.347	0.360			
3-Nitroaniline			0.434	0.422	0.411	0.440			
Acenaphthene	*	1.160	1.158	1.149	1.093	1.173			*
2,4-Dinitrophenol	#		0.151	0.175	0.191	0.208			#
Dibenzofuran		1.665	1.676	1.625	1.583	1.674			
4-Nitrophenol	#		0.372	0.374	0.370	0.397			#

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =pgk020.d RRF50 =pgk050.d
RRF80 =pgk080.d RRF100=pgk100.d RRF120=pgk120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.443	0.451	0.440	0.432	0.462		
Fluorene	1.336	1.363	1.296	1.278	1.349		
Diethylphthalate	1.497	1.460	1.412	1.386	1.476		
4-Chlorophenyl-phenylether	0.614	0.618	0.583	0.573	0.602		
4-Nitroaniline		0.445	0.434	0.424	0.437		
4,6-Dinitro-2-methylphenol		0.131	0.139	0.145	0.153		
N-nitrosodiphenylamine (1) *	0.660	0.690	0.665	0.672	0.645		*
4-Bromophenyl-phenylether	0.218	0.222	0.219	0.221	0.214		
Hexachlorobenzene	0.249	0.242	0.237	0.244	0.244		
Atrazine	0.203	0.196	0.188	0.188	0.196		
Pentachlorophenol *		0.166	0.166	0.173	0.175		*
Phenanthrene	1.116	1.147	1.093	1.106	1.120		
Anthracene	1.083	1.117	1.099	1.113	1.108		
Carbazole	1.086	1.089	1.092	1.081	1.098		
Di-n-butylphthalate	1.444	1.552	1.533	1.502	1.559		
Fluoranthene *	1.128	1.161	1.127	1.134	1.132		*
Pyrene	1.168	1.189	1.132	1.112	1.157		
Butylbenzylphthalate	0.655	0.707	0.670	0.670	0.707		
Benzo(a)anthracene	1.099	1.110	1.080	1.108	1.116		
3,3'-Dichlorobenzidine	0.398	0.384	0.367	0.344	0.363		
Chrysene	1.053	1.011	1.002	0.977	1.022		
bis(2-Ethylhexyl)phthalate	0.858	0.893	0.876	0.863	0.902		
Di-n-octylphthalate *	1.402	1.583	1.586	1.623	1.649		*
Benzo(b)fluoranthene	0.936	1.103	1.062	1.104	1.088		
Benzo(k)fluoranthene	1.424	1.133	1.101	1.124	1.166		
Benzo(a)pyrene *	1.114	0.995	0.942	0.992	1.005		*
Indeno(1,2,3-cd)pyrene	1.298	1.316	1.318	1.433	1.463		
Dibenz(a,h)anthracene	1.020	1.060	1.085	1.126	1.164		
Benzo(g,h,i)perylene	1.100	1.193	1.139	1.237	1.306		
2-Fluorophenol	1.588	1.568	1.557	1.546	1.561		
Phenol-d5	2.055	2.025	1.916	1.926	1.987		
2-Chlorophenol-d4	1.611	1.572	1.541	1.512	1.533		
1,2-Dichlorobenzene-d4	1.078	1.040	1.025	1.006	1.038		
Nitrobenzene-d5	0.521	0.477	0.463	0.458	0.486		

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =pgk020.d RRF50 =pgk050.d
RRF80 =pgk080.d RRF100=pgk100.d RRF120=pgk120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.709	1.511	1.378	1.342	1.462		
2,4,6-Tribromophenol	0.331	0.263	0.245	0.235	0.270		
Terphenyl-d14	1.170	0.916	0.848	0.802	0.924		

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=pgk140i2.d RRF160=pgk160i2.d RRF320=pgk320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD	
Benzaldehyde	0.692	0.602				0.878	26.9	<-
Phenol *	1.801	1.773				1.799	1.6*	
bis(2-Chloroethyl)Ether	1.516	1.515				1.520	1.7	
2-Chlorophenol	1.550	1.511				1.546	1.6	
2-Methylphenol	1.118	1.148				1.148	1.3	
2,2'-oxybis(1-Chloropropane	1.728	1.704				1.738	1.2	
Acetophenone	1.827	1.735				1.843	3.5	
4-Methylphenol	1.473	1.465				1.482	1.4	
N-Nitroso-di-n-propylamine #	1.082	1.068				1.086	2.0#	
Hexachloroethane	0.768	0.744				0.759	1.6	
Nitrobenzene	0.443	0.460				0.445	1.9	
Isophorone	0.748	0.778				0.766	1.7	
2-Nitrophenol *	0.234	0.240				0.230	2.3*	
2,4-Dimethylphenol	0.390	0.397				0.388	1.8	
bis(2-Chloroethoxy)methane	0.452	0.465				0.447	2.9	
2,4-Dichlorophenol *	0.295	0.311				0.302	2.1*	
Naphthalene	1.091	1.144				1.107	1.8	
4-Chloroaniline	0.466	0.489				0.471	1.9	
Hexachlorobutadiene *	0.173	0.176				0.174	1.7*	
Caprolactam	0.122	0.124				0.125	2.7	
4-Chloro-3-Methylphenol *	0.317	0.317				0.319	2.1*	
2-Methylnaphthalene	0.230	0.243				0.240	3.4	
1,2,4,5-Tetrachlorobenzene	0.618	0.568				0.597	3.2	
Hexachlorocyclopentadiene #	0.357	0.334				0.304	15.7#	<-
2,4,6-Trichlorophenol *	0.438	0.407				0.412	3.4*	
2,4,5-Trichlorophenol	0.429	0.400				0.423	3.0	
2-Chloronaphthalene	0.533	0.499				0.530	3.4	
1,1'-Biphenyl	1.484	1.310				1.466	6.0	
2-Nitroaniline	0.511	0.446				0.477	4.8	
Dimethylphthalate	1.358	1.248				1.344	4.0	
Acenaphthylene	2.053	1.904				1.973	3.4	
2,6-Dinitrotoluene	0.351	0.333				0.351	3.2	
3-Nitroaniline	0.428	0.394				0.422	4.0	
Acenaphthene *	1.145	1.096				1.139	2.8*	
2,4-Dinitrophenol #	0.208	0.207				0.190	12.2#	
Dibenzofuran	1.665	1.518				1.629	3.7	
4-Nitrophenol #	0.380	0.372				0.378	2.6#	

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=pgk140i2.d RRF160=pgk160i2.d RRF320=pgk320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.452	0.421				0.443	3.1
Fluorene	1.314	1.214				1.307	3.9
Diethylphthalate	1.421	1.328				1.426	4.1
4-Chlorophenyl-phenylether	0.586	0.538				0.588	4.6
4-Nitroaniline	0.426	0.405				0.428	3.2
4,6-Dinitro-2-methylphenol	0.138	0.152				0.143	6.2
N-nitrosodiphenylamine (1) *	0.650	0.647				0.661	2.4*
4-Bromophenyl-phenylether	0.212	0.206				0.216	2.6
Hexachlorobenzene	0.233	0.234				0.240	2.5
Atrazine	0.184	0.181				0.191	4.0
Pentachlorophenol *	0.161	0.163				0.167	3.3*
Phenanthrene	1.072	1.072				1.104	2.5
Anthracene	1.048	1.067				1.091	2.4
Carbazole	1.034	1.064				1.078	2.0
Di-n-butylphthalate	1.443	1.537				1.510	3.2
Fluoranthene *	1.107	1.127				1.131	1.4*
Pyrene	1.147	1.121				1.146	2.4
Butylbenzylphthalate	0.685	0.673				0.681	2.9
Benzo(a)anthracene	1.092	1.079				1.098	1.3
3,3'-Dichlorobenzidine	0.367	0.352				0.368	5.0
Chrysene	0.997	0.959				1.003	3.0
bis(2-Ethylhexyl)phthalate	0.905	0.880				0.882	2.1
Di-n-octylphthalate *	1.684	1.639				1.595	5.8*
Benzo(b)fluoranthene	1.087	1.096				1.068	5.6
Benzo(k)fluoranthene	1.014	1.039				1.143	11.8
Benzo(a)pyrene *	0.952	0.955				0.994	5.9*
Indeno(1,2,3-cd)pyrene	1.449	1.571				1.407	7.1
Dibenz(a,h)anthracene	1.143	1.232				1.118	6.3
Benzo(g,h,i)perylene	1.407	1.355				1.248	9.1
2-Fluorophenol	1.546	1.501				1.552	1.7
Phenol-d5	1.966	1.868				1.963	3.3
2-Chlorophenol-d4	1.556	1.456				1.540	3.2
1,2-Dichlorobenzene-d4	1.029	0.981				1.028	2.9
Nitrobenzene-d5	0.485	0.472				0.480	4.3

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=pgk140i2.d RRF160=pgk160i2.d
RRF320=pgk320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.499	1.320				1.460	9.1
2,4,6-Tribromophenol	0.262	0.226				0.262	13.2
Terphenyl-d14	0.870	0.790				0.903	14.2

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date: 03/18/10 Time: 1045

Lab File ID: PGK080A Init. Calib. Date(s): 03/17/10 03/17/10

Init. Calib. Times: 1125 1555

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Benzaldehyde	0.878	1.070		21.9	
Phenol	1.799	1.697		5.7	20.0
bis(2-Chloroethyl)Ether	1.520	1.409		7.3	
2-Chlorophenol	1.546	1.443		6.7	
2-Methylphenol	1.148	1.054		8.2	
2,2'-oxybis(1-Chloropropane)	1.738	1.587		8.7	
Acetophenone	1.843	1.788		3.0	
4-Methylphenol	1.482	1.363		8.0	
N-Nitroso-di-n-propylamine	1.086	1.034	0.05	4.8	
Hexachloroethane	0.759	0.704		7.2	
Nitrobenzene	0.445	0.417		6.3	
Isophorone	0.766	0.713		6.9	
2-Nitrophenol	0.230	0.222		3.5	20.0
2,4-Dimethylphenol	0.388	0.356		8.2	
bis(2-Chloroethoxy)methane	0.447	0.410		8.3	
2,4-Dichlorophenol	0.302	0.276		8.6	20.0
Naphthalene	1.107	1.054		4.8	
4-Chloroaniline	0.471	0.439		6.8	
Hexachlorobutadiene	0.174	0.170		2.3	20.0
Caprolactam	0.125	0.114		8.8	
4-Chloro-3-Methylphenol	0.319	0.296		7.2	20.0
2-Methylnaphthalene	0.240	0.223		7.1	
1,2,4,5-Tetrachlorobenzene	0.597	0.573		4.0	
Hexachlorocyclopentadiene	0.304	0.348	0.05	14.5	
2,4,6-Trichlorophenol	0.412	0.392		4.8	20.0
2,4,5-Trichlorophenol	0.423	0.406		4.0	
2-Chloronaphthalene	0.530	0.496		6.4	
1,1'-Biphenyl	1.466	1.406		4.1	
2-Nitroaniline	0.477	0.438		8.2	
Dimethylphthalate	1.344	1.260		6.2	
Acenaphthylene	1.973	1.818		7.8	
2,6-Dinitrotoluene	0.351	0.330		6.0	
3-Nitroaniline	0.422	0.392		7.1	
Acenaphthene	1.139	1.079		5.3	20.0
2,4-Dinitrophenol	0.190	0.170	0.05	10.5	
Dibenzofuran	1.629	1.522		6.6	
4-Nitrophenol	0.378	0.341	0.05	9.8	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date: 03/18/10 Time: 1045

Lab File ID: PGK080A Init. Calib. Date(s): 03/17/10 03/17/10

Init. Calib. Times: 1125 1555

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.443	0.413		6.8	
Fluorene	1.307	1.214		7.1	
Diethylphthalate	1.426	1.297		9.0	
4-Chlorophenyl-phenylether	0.588	0.556		5.4	
4-Nitroaniline	0.428	0.389		9.1	
4,6-Dinitro-2-methylphenol	0.143	0.136		4.9	
N-nitrosodiphenylamine	0.661	0.623		5.7	20.0
4-Bromophenyl-phenylether	0.216	0.208		3.7	
Hexachlorobenzene	0.240	0.229		4.6	
Atrazine	0.191	0.180		5.8	
Pentachlorophenol	0.167	0.164		1.8	20.0
Phenanthrene	1.104	1.023		7.3	
Anthracene	1.091	1.000		8.3	
Carbazole	1.078	1.001		7.1	
Di-n-butylphthalate	1.510	1.392		7.8	
Fluoranthene	1.131	1.019		9.9	20.0
Pyrene	1.146	1.143		0.3	
Butylbenzylphthalate	0.681	0.649		4.7	
Benzo(a)anthracene	1.098	1.027		6.5	
3,3'-Dichlorobenzidine	0.368	0.373		1.4	
Chrysene	1.003	0.948		5.5	
bis(2-Ethylhexyl)phthalate	0.882	0.862		2.3	
Di-n-octylphthalate	1.595	1.612		1.1	20.0
Benzo(b)fluoranthene	1.068	0.920		13.8	
Benzo(k)fluoranthene	1.143	1.232		7.8	
Benzo(a)pyrene	0.994	1.023		2.9	20.0
Indeno(1,2,3-cd)pyrene	1.407	1.219		13.4	
Dibenz(a,h)anthracene	1.118	0.977		12.6	
Benzo(g,h,i)perylene	1.248	1.037		16.9	
2-Fluorophenol	1.552	1.509		2.8	
Phenol-d5	1.963	1.890		3.7	
2-Chlorophenol-d4	1.540	1.533		0.4	
1,2-Dichlorobenzene-d4	1.028	1.022		0.6	
Nitrobenzene-d5	0.480	0.478		0.4	
2-Fluorobiphenyl	1.460	1.410		3.4	
2,4,6-Tribromophenol	0.262	0.244		6.9	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date: 03/18/10 Time: 1045

Lab File ID: PGK080A Init. Calib. Date(s): 03/17/10 03/17/10

Init. Calib. Times: 1125 1555

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Terphenyl-d14	0.903	0.872		3.4	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK050 Date Analyzed: 03/17/10

Instrument ID: P Time Analyzed: 1438

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	210358	5.88	773205	7.98	364207	10.95
	UPPER LIMIT	420716	6.38	1546410	8.48	728414	11.45
	LOWER LIMIT	105179	5.38	386602	7.48	182104	10.45
	STLVT SAMPLE NO.						
01	TS10081	379067	5.90	1358754	7.98	607123	10.94
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK050 Date Analyzed: 03/17/10

Instrument ID: P Time Analyzed: 1438

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	599207	13.40	613260	17.19	653723	18.84
	UPPER LIMIT	1198414	13.90	1226520	17.69	1307446	19.34
	LOWER LIMIT	299604	12.90	306630	16.69	326862	18.34
	STLVT SAMPLE NO.						
01	TS10081	938961	13.41	771255	17.19	704985	18.85
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK080A Date Analyzed: 03/18/10

Instrument ID: P Time Analyzed: 1045

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	189647	5.82	683579	7.92	321649	10.88
	UPPER LIMIT	379294	6.32	1367158	8.42	643298	11.38
	LOWER LIMIT	94824	5.32	341790	7.42	160824	10.38
	STLVT SAMPLE NO.						
01	MBLK030910B	269540	5.83	988663	7.91	474517	10.88
02	B030910LCS	248483	5.83	920726	7.92	463561	10.88
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK080A Date Analyzed: 03/18/10

Instrument ID: P Time Analyzed: 1045

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	514532	13.33	496839	17.12	563936	18.78
	UPPER LIMIT	1029064	13.83	993678	17.62	1127872	19.28
	LOWER LIMIT	257266	12.83	248420	16.62	281968	18.28
	STLVT SAMPLE NO.						
01	MBLK030910B	850541	13.33	866610	17.13	686141	18.77
02	B030910LCS	822335	13.34	711187	17.14	568288	18.77
03							
04							
05							
06							
07							
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18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10081

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL533

Phase Type: SOIL Lab Sample ID: 821804

Phase Weight: 10.11 (g) Date Received: 03/05/10

Injection Volume: 1.0 (uL) Date Extracted: 03/08/10

Dilution Factor: 1.0 Date Analyzed: 03/17/10

% Solids: 61 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	81	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	81	U
53469-21-9	Aroclor-1242	81	U
12672-29-6	Aroclor-1248	81	U
11097-69-1	Aroclor-1254	81	U
11096-82-5	Aroclor-1260	81	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK308B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL533

Phase Type: SOIL Lab Sample ID: PBLK308B

Phase Weight: 10.11 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 03/08/10

Dilution Factor: 1.0 Date Analyzed: 03/17/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	49	U
11104-28-2	Aroclor-1221	49	U
11141-16-5	Aroclor-1232	49	U
53469-21-9	Aroclor-1242	49	U
12672-29-6	Aroclor-1248	49	U
11097-69-1	Aroclor-1254	49	U
11096-82-5	Aroclor-1260	49	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS308B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL533

Phase Type: SOIL Lab Sample ID: PLCS308B

Phase Weight: 10.34 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 03/08/10

Dilution Factor: 1.0 Date Analyzed: 03/17/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	48	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	440	
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	440	
11096-82-5	Aroclor-1260	48	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL533

EPA SAMPLE NO.	TCX 1 % REC #	TCX 2 % REC #	DCB 1 % REC #	DCB 2 % REC #
PBLK308B	105	98	112	117
PLCS308B	110	105	117	119
TS10081	101	97	101	101

Project Specific QC Limits

TCX = Tetrachloro-meta-Xylene (60 - 150)

DCB = Decachlorobiphenyl (60 - 150)

- Column to be used to flag recovery values

* - Values outside of QC limits

D - Surrogates calculated using diluted analysis

A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL533

EPA SAMPLE NO.: PLCS308B

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	484	442	91	39-150
Aroclor 1254	484	444	92	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK308B	SDG:	KAL533
Matrix:	SOIL	Level:	LOW
Date Extracted:	03/08/10	Date Analyzed(2):	03/17/10
Date Analyzed(1):	03/17/10	Time Analyzed(2):	14:51
Time Analyzed(1):	14:51	GC ID(2):	HP7227
GC ID(1):	HP7227	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS308B	PLCS308B	03/17/10	03/17/10
821804	TS10081	03/17/10	03/17/10

7227_031010F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID: STL-VT
GC: HP-7227
Col. 1: RTX-5
Col. 2: RTX-35

Calib date(s): 11-Mar-10 0:13 to
11-Mar-10 13:57

File: 1,2 10MAR102256

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		52.8	104	202	396	795	
	Cal Fact	1.056	1.040	1.010	0.990	0.994	2.8
	% Diff	-6	-4	-1	1	1	
Aroclor 1221		54.8	105	207	401	782	
	Cal Fact	1.096	1.050	1.035	1.003	0.978	4.4
	% Diff	-10	-5	-4	0	2	
Aroclor 1232		52.5	104	206	401	786	
	Cal Fact	1.050	1.040	1.030	1.003	0.983	2.7
	% Diff	-5	-4	-3	0	2	
Aroclor 1242		50.9	101	204	398	795	
	Cal Fact	1.018	1.010	1.020	0.995	0.994	1.2
	% Diff	-2	-1	-2	1	1	
Aroclor 1248		50.7	100	205	414	780	
	Cal Fact	1.014	1.000	1.025	1.035	0.975	2.3
	% Diff	-1	0	-3	-4	3	
Aroclor 1254		51.1	99.7	206	405	788	
	Cal Fact	1.022	0.997	1.030	1.013	0.985	1.8
	% Diff	-2	0	-3	-1	2	
Aroclor 1260		49.3	96.0	194	396	814	
	Cal Fact	0.986	0.960	0.970	0.990	1.018	2.2
	% Diff	1	4	3	1	-2	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL533F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP7227
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 1,2 10MAR102256
date/time: 3/11/2010 0:13 to
3/11/2010 13:57

Check Standard File: 1,2 16MAR102257,38
Date: 3/17/2010
Time: 13:56

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	211	5.5

Check Standard File: 1,2 16MAR102257,39
Date: 3/17/2010
Time: 14:20

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	208	4.0

Check Standard File: 1,2 17MAR101126,5
Date: 3/17/2010
Time: 16:27

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	217	8.5

Check Standard File: 1,2 17MAR101126,6
Date: 3/17/2010
Time: 16:52

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	209	4.5

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL533
Initial Calib. Date: 10-MAR-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	11-Mar-2010 00:13	3.32	13.48	
AR1016 100ppb	AR1016 100	11-Mar-2010 00:37	3.31	13.47	
AR1016 200ppb	AR1016 200	11-Mar-2010 01:01	3.31	13.47	
AR1016 400ppb	AR1016 400	11-Mar-2010 01:26	3.31	13.47	
AR1016 800ppb	AR1016 800	11-Mar-2010 01:50	3.31	13.47	
AR1221 50ppb	AR1221 50	11-Mar-2010 02:14	3.31	13.47	
AR1221 100ppb	AR1221 100	11-Mar-2010 02:38	3.31	13.47	
AR1221 200ppb	AR1221 200	11-Mar-2010 03:03	3.32	13.47	
AR1221 400ppb	AR1221 400	11-Mar-2010 03:27	3.31	13.47	
AR1221 800ppb	AR1221 800	11-Mar-2010 03:51	3.32	13.47	
AR1232 50ppb	AR1232 50	11-Mar-2010 04:15	3.32	13.48	
AR1232 100ppb	AR1232 100	11-Mar-2010 04:39	3.32	13.48	
AR1232 200ppb	AR1232 200	11-Mar-2010 05:04	3.32	13.48	
AR1232 400ppb	AR1232 400	11-Mar-2010 05:28	3.32	13.48	
AR1232 800ppb	AR1232 800	11-Mar-2010 05:52	3.32	13.48	
AR1242 50ppb	AR1242 50	11-Mar-2010 06:16	3.32	13.48	
AR1242 100ppb	AR1242 100	11-Mar-2010 06:40	3.32	13.48	
AR1242 200ppb	AR1242 200	11-Mar-2010 07:05	3.32	13.48	
AR1242 400ppb	AR1242 400	11-Mar-2010 07:29	3.31	13.47	
AR1242 800ppb	AR1242 800	11-Mar-2010 07:53	3.31	13.47	
AR1248 50ppb	AR1248 50	11-Mar-2010 08:17	3.31	13.47	
AR1248 100ppb	AR1248 100	11-Mar-2010 08:42	3.31	13.47	
AR1248 200ppb	AR1248 200	11-Mar-2010 09:06	3.31	13.47	
AR1248 400ppb	AR1248 400	11-Mar-2010 09:30	3.32	13.47	
AR1248 800ppb	AR1248 800	11-Mar-2010 09:55	3.32	13.47	
AR1254 50ppb	AR1254 50	11-Mar-2010 10:19	3.32	13.48	
AR1254 100ppb	AR1254 100	11-Mar-2010 10:43	3.32	13.48	
AR1254 200ppb	AR1254 200	11-Mar-2010 11:07	3.32	13.48	
AR1254 400ppb	AR1254 400	11-Mar-2010 11:31	3.32	13.48	
AR1254 800ppb	AR1254 800	11-Mar-2010 11:55	3.32	13.47	
AR1260 50ppb	AR1260 50	11-Mar-2010 12:20	3.32	13.48	
AR1260 100ppb	AR1260 100	11-Mar-2010 12:44	3.32	13.48	
AR1260 200ppb	AR1260 200	11-Mar-2010 13:08	3.32	13.48	
AR1260 400ppb	AR1260 400	11-Mar-2010 13:32	3.31	13.46	
AR1260 800ppb	AR1260 800	11-Mar-2010 13:57	3.31	13.47	
AR1248 200ppb	AR1248 200	17-Mar-2010 13:56	3.31	13.46	
AR1260 200ppb	AR1260 200	17-Mar-2010 14:20	3.30	13.46	
PBLK308B	PBLK308B	17-Mar-2010 14:51	3.31	13.46	
PLCS308B	PLCS308B	17-Mar-2010 15:15	3.31	13.46	
821804	TS10081	17-Mar-2010 15:39	3.31	13.46	
AR1248 200ppb	AR1248 200	17-Mar-2010 16:27	3.31	13.46	
AR1242 200ppb	AR1242 200	17-Mar-2010 16:52	3.31	13.47	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.32 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 13.47 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL533
Initial Calib. Date: 10-MAR-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	11-Mar-2010 00:13	3.93	14.68	
AR1016 100ppb	AR1016 100	11-Mar-2010 00:37	3.91	14.66	
AR1016 200ppb	AR1016 200	11-Mar-2010 01:01	3.92	14.67	
AR1016 400ppb	AR1016 400	11-Mar-2010 01:26	3.91	14.66	
AR1016 800ppb	AR1016 800	11-Mar-2010 01:50	3.92	14.67	
AR1221 50ppb	AR1221 50	11-Mar-2010 02:14	3.92	14.67	
AR1221 100ppb	AR1221 100	11-Mar-2010 02:38	3.92	14.67	
AR1221 200ppb	AR1221 200	11-Mar-2010 03:03	3.92	14.67	
AR1221 400ppb	AR1221 400	11-Mar-2010 03:27	3.93	14.68	
AR1221 800ppb	AR1221 800	11-Mar-2010 03:51	3.92	14.67	
AR1232 50ppb	AR1232 50	11-Mar-2010 04:15	3.93	14.68	
AR1232 100ppb	AR1232 100	11-Mar-2010 04:39	3.93	14.68	
AR1232 200ppb	AR1232 200	11-Mar-2010 05:04	3.93	14.68	
AR1232 400ppb	AR1232 400	11-Mar-2010 05:28	3.93	14.68	
AR1232 800ppb	AR1232 800	11-Mar-2010 05:52	3.93	14.68	
AR1242 50ppb	AR1242 50	11-Mar-2010 06:16	3.92	14.67	
AR1242 100ppb	AR1242 100	11-Mar-2010 06:40	3.93	14.68	
AR1242 200ppb	AR1242 200	11-Mar-2010 07:05	3.92	14.67	
AR1242 400ppb	AR1242 400	11-Mar-2010 07:29	3.92	14.67	
AR1242 800ppb	AR1242 800	11-Mar-2010 07:53	3.91	14.66	
AR1248 50ppb	AR1248 50	11-Mar-2010 08:17	3.91	14.66	
AR1248 100ppb	AR1248 100	11-Mar-2010 08:42	3.92	14.67	
AR1248 200ppb	AR1248 200	11-Mar-2010 09:06	3.92	14.68	
AR1248 400ppb	AR1248 400	11-Mar-2010 09:30	3.92	14.66	
AR1248 800ppb	AR1248 800	11-Mar-2010 09:55	3.92	14.67	
AR1254 50ppb	AR1254 50	11-Mar-2010 10:19	3.93	14.68	
AR1254 100ppb	AR1254 100	11-Mar-2010 10:43	3.93	14.68	
AR1254 200ppb	AR1254 200	11-Mar-2010 11:07	3.93	14.68	
AR1254 400ppb	AR1254 400	11-Mar-2010 11:31	3.92	14.67	
AR1254 800ppb	AR1254 800	11-Mar-2010 11:55	3.92	14.67	
AR1260 50ppb	AR1260 50	11-Mar-2010 12:20	3.93	14.68	
AR1260 100ppb	AR1260 100	11-Mar-2010 12:44	3.92	14.67	
AR1260 200ppb	AR1260 200	11-Mar-2010 13:08	3.93	14.68	
AR1260 400ppb	AR1260 400	11-Mar-2010 13:32	3.92	14.67	
AR1260 800ppb	AR1260 800	11-Mar-2010 13:57	3.92	14.67	
AR1248 200ppb	AR1248 200	17-Mar-2010 13:56	3.92	14.67	
AR1260 200ppb	AR1260 200	17-Mar-2010 14:20	3.92	14.67	
PBLK308B	PBLK308B	17-Mar-2010 14:51	3.90	14.66	
PLCS308B	PLCS308B	17-Mar-2010 15:15	3.92	14.66	
821804	TS10081	17-Mar-2010 15:39	3.92	14.67	
AR1248 200ppb	AR1248 200	17-Mar-2010 16:27	3.92	14.67	
AR1242 200ppb	AR1242 200	17-Mar-2010 16:52	3.92	14.67	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.92 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.67 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 17MA101342-R031

% Moisture: 39 decanted: (Y/N) N Date Received: 03/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/09/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 03/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.5	U
72-55-9	4,4'-DDE	5.5	U
72-20-8	Endrin	5.5	U
33213-65-9	Endosulfan II	5.5	U
72-54-8	4,4'-DDD	5.5	U
1031-07-8	Endosulfan sulfate	5.5	U
50-29-3	4,4'-DDT	5.5	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.5	U
7421-93-4	Endrin aldehyde	5.5	U
57-74-9	Chlordane	28	U
8001-35-2	Toxaphene	280	U
5103-74-2	gamma-Chlordane	2.8	U
5103-71-9	alpha-Chlordane	2.8	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK030910C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK030910C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 17MA101342-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/09/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 03/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	1.6	U
5103-71-9	alpha-Chlordane	1.6	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: C030910LCS

Sample wt/vol: 29.8 (g/mL) G Lab File ID: 17MA101342-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/09/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 03/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.9	
319-85-7	beta-BHC	5.2	
319-86-8	delta-BHC	4.9	
58-89-9	gamma-BHC (Lindane)	4.9	
76-44-8	Heptachlor	5.1	
309-00-2	Aldrin	4.9	
1024-57-3	Heptachlor epoxide	5.2	
959-98-8	Endosulfan I	4.9	
60-57-1	Dieldrin	11	
72-55-9	4,4'-DDE	10	
72-20-8	Endrin	11	
33213-65-9	Endosulfan II	9.7	
72-54-8	4,4'-DDD	11	
1031-07-8	Endosulfan sulfate	8.7	
50-29-3	4,4'-DDT	12	
72-43-5	Methoxychlor	56	
53494-70-5	Endrin ketone	9.6	
7421-93-4	Endrin aldehyde	8.2	
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	5.2	
5103-71-9	alpha-Chlordane	5.3	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK030910C	80	82	92	94			0
02	C030910LCS	71	72	88	86			0
03	TS10081	54*	55*	59*	57*			4
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - Sample No.: C030910LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.7		4.9	73	55-130
beta-BHC	6.7		5.2	78	60-130
delta-BHC	6.7		4.9	73	50-135
gamma-BHC (Lindane)	6.7		4.9	73	55-135
Heptachlor	6.7		5.1	76	60-135
Aldrin	6.7		4.9	73	55-135
Heptachlor epoxide	6.7		5.2	78	60-130
Endosulfan I	6.7		4.9	73	55-125
Dieldrin	13		11	85	60-145
4,4'-DDE	13		10	77	60-145
Endrin	13		11	85	60-145
Endosulfan II	13		9.7	75	55-125
4,4'-DDD	13		11	85	60-145
Endosulfan sulfate	13		8.7	67	40-140
4,4'-DDT	13		12	92	60-155
Methoxychlor	67		56	84	65-145
Endrin ketone	13		9.6	74	65-145
Endrin aldehyde	13		8.2	63	15-110
gamma-Chlordane	6.7		5.2	78	60-140
alpha-Chlordane	6.7		5.3	79	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK030910C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: MBLK030910C Lab File ID: 17MA101342-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 03/09/10

Date Analyzed (1): 03/18/10 Date Analyzed (2): 03/18/10

Time Analyzed (1): 0620 Time Analyzed (2): 0620

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	C030910LCS	C030910LCS	03/18/10	03/18/10
02	TS10081	821804	03/18/10	03/18/10
03				
04				
05				
06				
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23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_1 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0315 0534

LAB FILE ID: RF1: 17MA101339-R1RF2: 17MA101339-R0RF3: 17MA101339-R0
RF4: 17MA101339-R0RF5: 17MA101339-R1

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	1230.600	1216.300	1259.200	1189.450	1286.825
beta-BHC	496.600	468.400	449.500	431.075	421.488
delta-BHC	1106.000	1085.800	1102.950	1120.875	1132.262
gamma-BHC (Lindane)	1162.200	1127.300	1119.700	1142.400	1161.925
Heptachlor	919.600	883.000	875.950	899.450	923.400
Aldrin	951.200	899.000	912.700	906.875	915.600
Heptachlor epoxide	859.600	806.200	801.700	800.175	795.388
Endosulfan I	782.200	731.900	719.600	708.675	695.262
Dieldrin	758.900	730.750	728.550	732.638	746.444
4,4'-DDE	791.000	761.350	777.525	785.400	805.675
Endrin	651.800	618.700	618.900	620.850	653.938
Endosulfan II	642.400	611.000	616.600	614.112	639.019
4,4'-DDD	658.100	630.150	624.800	617.488	642.194
Endosulfan sulfate	520.600	513.300	531.100	546.000	550.531
4,4'-DDT	527.400	499.600	527.500	553.588	603.144
Methoxychlor	271.020	246.650	262.025	262.475	267.602
Endrin ketone	705.700	675.350	690.075	676.350	716.975
Endrin aldehyde	481.300	465.450	477.400	484.962	499.012
Chlordane	35.660				
(2)	36.600				
(3)	85.620				
(4)	74.740				
(5)	76.420				
Toxaphene	13.712				
(2)	12.196				
(3)	12.704				
(4)	8.164				
(5)	10.934				
Mirex	286.400	263.900	251.225	236.062	237.119
gamma-Chlordane	846.400	791.100	786.900	777.525	796.962
alpha-Chlordane	743.000	694.800	687.200	681.850	673.675
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	757.400	727.300	704.900	683.650	688.875
Decachlorobiphenyl	617.000	574.100	558.050	532.600	540.962

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_1 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0315 0534

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	1236.47500	3.054	20.000	
beta-BHC	AVRG	453.412500	6.638	20.000	
delta-BHC	AVRG	1109.57750	1.602	20.000	
gamma-BHC (Lindane)	AVRG	1142.70500	1.704	20.000	
Heptachlor	AVRG	900.280000	2.356	20.000	
Aldrin	AVRG	917.075000	2.192	20.000	
Heptachlor epoxide	AVRG	812.612500	3.267	20.000	
Endosulfan I	AVRG	727.527500	4.594	20.000	
Dieldrin	AVRG	739.456250	1.748	20.000	
4,4'-DDE	AVRG	784.190000	2.091	20.000	
Endrin	AVRG	632.837500	2.895	20.000	
Endosulfan II	AVRG	624.626250	2.380	20.000	
4,4'-DDD	AVRG	634.546250	2.515	20.000	
Endosulfan sulfate	AVRG	532.306250	2.999	20.000	
4,4'-DDT	AVRG	542.246250	7.198	20.000	
Methoxychlor	AVRG	261.954500	3.564	20.000	
Endrin ketone	AVRG	692.890000	2.635	20.000	
Endrin aldehyde	AVRG	481.625000	2.528	20.000	
Chlordane	AVRG	35.6600000	0.000	20.000	<-
(2)	AVRG	36.6000000	0.000	20.000	<-
(3)	AVRG	85.6200000	0.000	20.000	<-
(4)	AVRG	74.7400000	0.000	20.000	<-
(5)	AVRG	76.4200000	0.000	20.000	<-
Toxaphene	AVRG	13.7120000	0.000	20.000	<-
(2)	AVRG	12.1960000	0.000	20.000	<-
(3)	AVRG	12.7040000	0.000	20.000	<-
(4)	AVRG	8.16400000	0.000	20.000	<-
(5)	AVRG	10.9340000	0.000	20.000	<-
Mirex	AVRG	254.941250	8.223	20.000	
gamma-Chlordane	AVRG	799.777500	3.377	20.000	
alpha-Chlordane	AVRG	696.105000	3.925	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	712.425000	4.259	20.000	
Decachlorobiphenyl	AVRG	564.542500	5.916	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_2 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0315 0534

LAB FILE ID: RF1: 17MA101339-R1RF2: 17MA101339-R0RF3: 17MA101339-R0
RF4: 17MA101339-R0RF5: 17MA101339-R1

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	1958.400	2051.400	2205.100	2341.825	2430.038
beta-BHC	784.400	746.000	745.500	743.725	761.625
delta-BHC	1585.600	1649.400	1782.650	1912.425	1986.788
gamma-BHC (Lindane)	1723.800	1775.400	1909.050	2014.125	2109.225
Heptachlor	1259.000	1245.800	1323.750	1408.375	1513.612
Aldrin	1414.600	1422.100	1491.950	1580.050	1634.500
Heptachlor epoxide	1262.800	1238.600	1282.400	1350.300	1393.750
Endosulfan I	1129.000	1107.900	1131.750	1183.475	1230.700
Dieldrin	1127.300	1116.800	1209.025	1250.775	1288.781
4,4'-DDE	1158.200	1181.400	1244.175	1318.600	1382.044
Endrin	903.400	914.850	960.175	1029.875	1097.862
Endosulfan II	958.100	952.050	987.950	1032.475	1080.294
4,4'-DDD	874.500	864.700	921.900	978.900	1017.919
Endosulfan sulfate	746.900	769.700	836.250	897.575	948.250
4,4'-DDT	622.900	599.800	694.600	752.550	842.156
Methoxychlor	343.960	324.390	354.315	358.985	366.548
Endrin ketone	1006.600	984.000	1055.100	1080.800	1149.094
Endrin aldehyde	704.100	709.150	749.725	791.988	832.500
Chlordane	54.780				
(2)	55.840				
(3)	135.580				
(4)	88.540				
(5)	112.580				
Toxaphene	30.754				
(2)	26.376				
(3)	13.758				
(4)	22.114				
(5)	20.268				
Mirex	427.200	386.200	368.675	365.450	378.206
gamma-Chlordane	1229.200	1202.000	1268.200	1342.600	1375.575
alpha-Chlordane	1118.600	1053.400	1096.100	1132.225	1181.738
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	1189.800	1164.600	1181.700	1215.000	1269.038
Decachlorobiphenyl	1075.400	1020.700	983.150	987.225	1017.975

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_2 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0315 0534

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	2197.35250	8.914	20.000	
beta-BHC	AVRG	756.250000	2.289	20.000	
delta-BHC	AVRG	1783.37250	9.512	20.000	
gamma-BHC (Lindane)	AVRG	1906.32000	8.428	20.000	
Heptachlor	AVRG	1350.10750	8.281	20.000	
Aldrin	AVRG	1508.64000	6.422	20.000	
Heptachlor epoxide	AVRG	1305.57000	4.938	20.000	
Endosulfan I	AVRG	1156.56500	4.315	20.000	
Dieldrin	AVRG	1198.53625	6.291	20.000	
4,4'-DDE	AVRG	1256.88375	7.450	20.000	
Endrin	AVRG	981.232500	8.354	20.000	
Endosulfan II	AVRG	1002.17375	5.392	20.000	
4,4'-DDD	AVRG	931.583750	7.104	20.000	
Endosulfan sulfate	AVRG	839.735000	10.079	20.000	
4,4'-DDT	AVRG	702.401250	14.050	20.000	
Methoxychlor	AVRG	349.639500	4.666	20.000	
Endrin ketone	AVRG	1055.11875	6.161	20.000	
Endrin aldehyde	AVRG	757.492500	7.250	20.000	
Chlordane	AVRG	54.7800000	0.000	20.000	<-
(2)	AVRG	55.8400000	0.000	20.000	<-
(3)	AVRG	135.580000	0.000	20.000	<-
(4)	AVRG	88.5400000	0.000	20.000	<-
(5)	AVRG	112.580000	0.000	20.000	<-
Toxaphene	AVRG	30.7540000	0.000	20.000	<-
(2)	AVRG	26.3760000	0.000	20.000	<-
(3)	AVRG	13.7580000	0.000	20.000	<-
(4)	AVRG	22.1140000	0.000	20.000	<-
(5)	AVRG	20.2680000	0.000	20.000	<-
Mirex	AVRG	385.146250	6.461	20.000	
gamma-Chlordane	AVRG	1283.51500	5.751	20.000	
alpha-Chlordane	AVRG	1116.41250	4.226	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	1204.02750	3.374	20.000	
Decachlorobiphenyl	AVRG	1016.89000	3.632	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_1 Calibration Date: 03/18/10 Time: 0753

Lab File ID: 17MA101342-R05 Init. Calib. Date(s): 03/18/10 03/18/10

Init. Calib. Times: 0315 0448

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	1236.475	1222.700		1.1	15.0
beta-BHC	453.413	441.550		2.6	15.0
delta-BHC	1109.577	1076.250		3.0	15.0
gamma-BHC (Lindane)	1142.705	1104.750		3.3	15.0
Heptachlor	900.280	876.050		2.7	15.0
Aldrin	917.075	878.400		4.2	15.0
Heptachlor epoxide	812.613	779.800		4.0	15.0
Endosulfan I	727.527	700.600		3.7	15.0
Dieldrin	739.456	716.225		3.1	15.0
4,4'-DDE	784.190	750.475		4.3	15.0
Endrin	632.838	619.400		2.1	15.0
Endosulfan II	624.626	612.675		1.9	15.0
4,4'-DDD	634.546	621.200		2.1	15.0
Endosulfan sulfate	532.306	527.350		0.9	15.0
4,4'-DDT	542.246	514.675		5.1	15.0
Methoxychlor	261.954	257.940		1.5	15.0
Endrin ketone	692.890	669.075		3.4	15.0
Endrin aldehyde	481.625	466.625		3.1	15.0
Mirex	254.941	240.450		5.7	15.0
gamma-Chlordane	799.777	773.500		3.3	15.0
alpha-Chlordane	696.105	667.500		4.1	15.0
Tetrachloro-m-xylene	712.425	684.550		3.9	15.0
Decachlorobiphenyl	564.542	564.300		0.0	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_2 Calibration Date: 03/18/10 Time: 0753

Lab File ID: 17MA101342-R05 Init. Calib. Date(s): 03/18/10 03/18/10

Init. Calib. Times: 0315 0448

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	2197.353	2147.400		2.3	15.0
beta-BHC	756.250	734.550		2.9	15.0
delta-BHC	1783.373	1753.700		1.7	15.0
gamma-BHC (Lindane)	1906.320	1865.750		2.1	15.0
Heptachlor	1350.107	1335.750		1.1	15.0
Aldrin	1508.640	1465.350		2.9	15.0
Heptachlor epoxide	1305.570	1272.450		2.5	15.0
Endosulfan I	1156.565	1126.050		2.6	15.0
Dieldrin	1198.536	1184.100		1.2	15.0
4,4'-DDE	1256.884	1237.125		1.6	15.0
Endrin	981.232	972.000		0.9	15.0
Endosulfan II	1002.174	987.000		1.5	15.0
4,4'-DDD	931.584	912.150		2.1	15.0
Endosulfan sulfate	839.735	852.075		1.5	15.0
4,4'-DDT	702.401	692.675		1.4	15.0
Methoxychlor	349.640	365.295		4.5	15.0
Endrin ketone	1055.119	1059.400		0.4	15.0
Endrin aldehyde	757.493	761.300		0.5	15.0
Mirex	385.146	368.225		4.4	15.0
gamma-Chlordane	1283.515	1238.200		3.5	15.0
alpha-Chlordane	1116.413	1091.450		2.2	15.0
Tetrachloro-m-xylene	1204.028	1144.000		5.0	15.0
Decachlorobiphenyl	1016.890	968.550		4.8	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 03/18/10 03/18/10

Instrument ID: 0911_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.49 DCB: 14.51

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	03/18/10	0252	5.49	14.51
02	INDA_B-1	INDA_B-1	03/18/10	0315	5.49	14.51
03	INDA_B-2	INDA_B-2	03/18/10	0338	5.49	14.51
04	INDA_B-3	INDA_B-3	03/18/10	0402	5.49	14.51
05	INDA_B-4	INDA_B-4	03/18/10	0425	5.49	14.51
06	INDA_B-5	INDA_B-5	03/18/10	0448	5.49	14.51
07	TOX 500	TOX 500	03/18/10	0511	5.49	14.51
08	T-CHLOR 50	T-CHLOR 50	03/18/10	0534	5.49	14.52
09	INDA_B-ICV	INDA_B-ICV	03/18/10	0557	5.49	14.51
10	MBLK030910C	MBLK030910C	03/18/10	0620	5.49	14.51
11	C030910LCS	C030910LCS	03/18/10	0643	5.49	14.51
12	TS10081	821804	03/18/10	0706	5.50	14.52
13	BCS	BCS	03/18/10	0729	5.50	14.52
14	INDA_B-3	INDA_B-3	03/18/10	0753	5.50	14.52
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26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 03/18/10 03/18/10

Instrument ID: 0911_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.30 DCB: 14.90

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	03/18/10	0252	5.30	14.90
02	INDA_B-1	INDA_B-1	03/18/10	0315	5.30	14.89
03	INDA_B-2	INDA_B-2	03/18/10	0338	5.29	14.89
04	INDA_B-3	INDA_B-3	03/18/10	0402	5.30	14.90
05	INDA_B-4	INDA_B-4	03/18/10	0425	5.31	14.90
06	INDA_B-5	INDA_B-5	03/18/10	0448	5.31	14.90
07	TOX 500	TOX 500	03/18/10	0511	5.30	14.89
08	T-CHLOR 50	T-CHLOR 50	03/18/10	0534	5.31	14.90
09	INDA_B-ICV	INDA_B-ICV	03/18/10	0557	5.30	14.90
10	MBLK030910C	MBLK030910C	03/18/10	0620	5.30	14.90
11	C030910LCS	C030910LCS	03/18/10	0643	5.30	14.90
12	TS10081	821804	03/18/10	0706	5.31	14.90
13	BCS	BCS	03/18/10	0729	5.30	14.90
14	INDA_B-3	INDA_B-3	03/18/10	0753	5.30	14.90
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: C030910LCS Date(s) Analyzed: 03/18/10 03/18/10

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	6.21	6.16	6.26	4.9	
	2	6.06	6.01	6.11	4.7	4.2
beta-BHC	1	6.72	6.67	6.77	5.2	
	2	6.59	6.54	6.64	5.0	3.9
delta-BHC	1	6.95	6.90	7.00	4.9	
	2	6.96	6.90	7.00	4.9	0.0
gamma-BHC (Lindane)	1	6.61	6.56	6.66	4.9	
	2	6.49	6.44	6.54	4.8	2.1
Heptachlor	1	7.24	7.18	7.28	5.1	
	2	7.05	6.99	7.09	5.1	0.0
Aldrin	1	7.65	7.60	7.70	4.9	
	2	7.48	7.42	7.52	4.8	2.1
Heptachlor epoxide	1	8.56	8.51	8.61	5.2	
	2	8.29	8.24	8.34	5.1	1.9
Endosulfan I	1	9.20	9.15	9.25	4.9	
	2	8.91	8.86	8.96	4.7	4.2

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: C030910LCS Date(s) Analyzed: 03/18/10 03/18/10

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.61	9.55	9.65	10	
	2	9.37	9.32	9.42	11	9.5
4,4'-DDE	1	9.08	9.03	9.13	10	
	2	9.11	9.06	9.16	10	0.0
Endrin	1	10.02	9.97	10.07	11	
	2	9.90	9.85	9.95	11	0.0
Endosulfan II	1	10.43	10.38	10.48	9.5	
	2	10.29	10.24	10.34	9.7	2.1
4,4'-DDD	1	10.14	10.08	10.18	10	
	2	10.14	10.08	10.18	11	9.5
Endosulfan sulfate	1	12.04	11.99	12.09	8.7	
	2	11.46	11.40	11.50	8.7	0.0
4,4'-DDT	1	10.66	10.61	10.71	11	
	2	10.73	10.68	10.78	12	8.7
Methoxychlor	1	11.58	11.53	11.63	54	
	2	12.07	12.02	12.12	56	3.6

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: C030910LCS Date(s) Analyzed: 03/18/10 03/18/10

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.57	12.51	12.61	9.5	
	2	12.45	12.40	12.50	9.6	1.0
Endrin aldehyde	1	11.22	11.16	11.26	8.2	
	2	10.93	10.87	10.97	8.0	2.5
gamma-Chlordane	1	8.75	8.70	8.80	5.2	
	2	8.59	8.54	8.64	5.2	0.0
alpha-Chlordane	1	8.97	8.92	9.02	5.3	
	2	8.82	8.77	8.87	5.1	3.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100783***
Date Reported :	***03/18/10***
Date Activated :	***03/04/10***
Date Due :	***03/18/10***
Date Validated :	***03/18/10***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0000.00002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

If you wish to contact us about this work please mention KAR Project No. 100783. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

POSITIVE RESULTS SUMMARY REPORT

Client Name: ***ARCADIS of New York, Inc.***

KAR Project No.: ***100783***

Date Reported: ***03/18/10***

Project Description: ***Analysis of one soil sample from Plainwell Dam (#B0064536.0000.00002).***

Sample Description: ***"TS10081"***

Test	Positive Result Concentration	Units
TPH by GC-diesel range	110	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100783*

Date Reported : *03/18/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of one soil sample from Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10081"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *03/04/10*
Sample Time : *1100*

Date Received : *03/04/10*
Sample Type : *soil*
KAR Sample No. : *100783-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	65.88	% by weight	SM 2540 B mod.	03/10/10	KTL	
Prep, VOA	Completed		EPA 5035	03/17/10	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	03/17/10	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	03/15/10	KTL	
Prep, SV BN	Completed		EPA 3545	03/05/10	GMB	
TPH by GC-diesel range	110	mg/kg dry sample	EPA 8270	03/15/10	KTL	
12DCA-D4 (surr spk)	102	% spike recovery	EPA 8260	03/17/10	JAR	
BFB (surr spk)	104	% spike recovery	EPA 8260	03/17/10	JAR	
Toluene-D8 (surr spk)	98	% spike recovery	EPA 8260	03/17/10	JAR	
2FB (surr spk)	79	% spike recovery	EPA 8270	03/15/10	KTL	
Terphenyl D14 (surr spk)	75	% spike recovery	EPA 8270	03/15/10	KTL	

Sample ID : *Laboratory Method Blank-Soil*

Sampled By :
Sample Date :
Sample Time :

Date Received : *03/04/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100783-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	03/17/10	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	03/17/10	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	03/15/10	KTL	
Prep, SV BN	Completed		EPA 3545	03/05/10	GMB	
TPH by GC-diesel range	<10	mg/kg dry sample	EPA 8270	03/15/10	KTL	
12DCA-D4 (surr spk)	99	% spike recovery	EPA 8260	03/17/10	JAR	
BFB (surr spk)	102	% spike recovery	EPA 8260	03/17/10	JAR	
Toluene-D8 (surr spk)	98	% spike recovery	EPA 8260	03/17/10	JAR	
2FB (surr spk)	77	% spike recovery	EPA 8270	03/15/10	KTL	
Terphenyl D14 (surr spk)	119	% spike recovery	EPA 8270	03/15/10	KTL	

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL545

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

May 19, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: 29000; SDG: KAL545

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 12th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/12/10 ETR No: 137272		
829810	TS10082	05/11/10	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. After receipt at the Burlington laboratory, aliquots of this sample were sent to the TestAmerica laboratory in Chicago Illinois to be analyzed for TPH GRO and DRO, and Pesticides. Data from those analyses is filed at the end of this report in a section titled Subcontract Data.

The volatile organic analysis of sample TS10082 yielded surrogate and internal standard responses outside control criteria. This sample was re-analyzed yielding similar results. Both sets of data have been presented in this case submittal.

The volatile organic analysis of method blank MBLK051310NA yielded the presence of target compounds 1,2,4-trichlorobenzene and 1,2,3-trichlorobenzene at concentrations below reporting limit. These compounds were also detected in sample TS10082 at similar concentrations, and have been reported with a B flag to denote this situation.

The semivolatile organic analysis of sample TS10082 yielded surrogate recoveries below control criteria. This sample was re-extracted and analyzed yielding similar results. Data from the first analysis has been formally reported, and data from the re-extraction and re-analysis is filed in the sample preparation section of this case submittal.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address:
Project Name/Location (City, State): Plainwell Dam No. 2 Area TCRA Mi	Project #: B0064536.0000.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

Preservative	E							
Filtered (✓)								
# of Containers	4							
Container Information	4							

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		TCL VOC's	TCL SVOC's	TCL Pesticides/ PCB's	RCRA Metals	TPH (DRO & GRO)				REMARKS
TS10082	5/11/10	1000	x		So		X	X	X	X	X				

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Greg Marion
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: 1 Week	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 5/11/10 1300	Date/Time:	Date/Time: 5/12/10 0945

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10082

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL545

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 829810

Matrix: SOIL

Client: BBLKAL

Date Received: 05/12/10

% Solids: 86.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	05/14/10		%	1	0.10	86.1	

Printed on: 05/17/10 09:25 AM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

SOW No.: _____

EPA Sample No.	Lab Sample ID.
TS10082	829810
TS10082D	829810DP
TS10082S	829810MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

USEPA CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10082

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Lab Sample ID: 829810

Level (low/med): LOW Date Received: 5/12/2010

% Solids: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.11	U		P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	24.0			P
7440-43-9	Cadmium	0.12	B		P
7440-47-3	Chromium	5.5			P
7439-97-6	Mercury	0.018	U		CV
7439-92-1	Lead	6.9			P
7782-49-2	Selenium	0.27	U		P

Color Before: light brown Clarity Before: Texture: medium

Color After: pale yellow Clarity After: cloudy Artifacts:

Comments:

USEPA CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.12	104.0	5.0	5.00	100.0	5.29	105.8	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	491.60	98.3	100.0	97.75	97.8	97.48	97.5	P
Arsenic	250.0	260.80	104.3	100.0	106.80	106.8	102.40	102.4	P
Barium	500.0	486.90	97.4	200.0	197.40	98.7	195.00	97.5	P
Cadmium	500.0	487.40	97.5	100.0	99.13	99.1	98.67	98.7	P
Chromium	500.0	491.30	98.3	200.0	195.60	97.8	195.10	97.6	P
Lead	1000.0	1009.00	100.9	400.0	401.30	100.3	402.70	100.7	P
Selenium	250.0	256.50	102.6	100.0	101.30	101.3	97.55	97.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	10.20	102.0		
Arsenic				10.0	9.50	95.0		
Barium				200.0	193.40	96.7		
Cadmium				5.0	5.34	106.8		
Chromium				10.0	10.21	102.1		
Lead				10.0	8.14	81.4		
Selenium				35.0	34.64	99.0		

Control Limits: no limits have been established by EPA at this time

USEPA CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U			0.017	U	CV

USEPA CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	1.1	U	1.1	U	1.1	U			0.110	U	P
Arsenic	1.7	U	1.7	U	1.7	U			-0.233	B	P
Barium	2.4	U	-3.5	B	2.4	U			-0.447	B	P
Cadmium	0.3	U	0.3	U	0.3	U			0.046	B	P
Chromium	0.4	U	0.4	U	0.4	U			0.036	U	P
Lead	1.9	U	1.9	U	1.9	U			0.190	U	P
Selenium	2.6	U	2.6	U	2.6	U			0.260	U	P

USEPA CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	193	-2	195.2	101.1			
Arsenic	0	99	0	94.0	94.9			
Barium	0	461	-1	466.5	101.2			
Cadmium	0	957	1	964.5	100.8			
Chromium	0	480	8	482.7	100.6			
Lead	0	54	3	50.2	93.0			
Selenium	0	38	-3	36.8	96.8			

USEPA_CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10082S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	85 - 115	0.1708		0.0176	U	0.17	100.5		CV

Comments:

6

DUPLICATES

SAMPLE NO.

TS10082D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.1 % Solids for Duplicate: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0176	U	0.0157	U			CV

USEPA CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	25.3		20.0	30.0	101.2
Arsenic				24.0	25.1		19.2	28.8	104.6
Barium				200.0	208.5		160.0	240.0	104.2
Cadmium				25.0	24.9		20.0	30.0	99.6
Chromium				20.0	21.8		16.0	24.0	109.0
Lead				22.0	22.9		17.6	26.4	104.1
Selenium				25.0	24.5		20.0	30.0	98.0

USEPA_CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

TS10082L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	1.10	U	5.50	U			P
Arsenic	28.45		31.70	B	11.4		P
Barium	231.70		251.30	B	8.5		P
Cadmium	1.13	B	2.54	B	124.8		P
Chromium	53.09		55.71		4.9		P
Lead	66.76		68.02		1.9		P
Selenium	2.60	U	13.00	U			P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: Date: 4/13/2010

Flame AA ID Number: Leeman Hydra AA (2)

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	1.1	P
Arsenic	189.042		10	1.7	P
Barium	493.409		200	2.4	P
Cadmium	226.502		5	0.35	P
Chromium	267.716		10	0.36	P
Lead	220.353		10	1.9	P
Selenium	196.026		35	2.6	P

Comments:

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	-0.0010006	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0530902	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	-0.0000336	0.0000000	0.0000000	0.0002388	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001735
Molybdenum	202.030	0.0588018	0.0000000	0.0009164	0.0070064	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0043119	-0.0001740
Vanadium	292.402	0.0000000	0.0000000	0.0049409	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000079	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0033805	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0003363
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0160924	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0019468	0.0603189	0.0000000	0.0000000	-0.0017009
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0001510
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0009648	0.0000000	0.0019415
Vanadium	292.402	0.0000000	0.0000000	0.0002205	0.0000472	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0004684	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000284	0.0000000	0.0000000	0.0000282
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000179	0.0000000	0.0000000
Manganese	257.610	0.0001041	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0001893	0.0002224	0.0000000	0.0000000	0.0006230
Nickel	231.604	-0.0001218	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000744	0.0000000	0.0000310	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0128328	0.0000000	0.0041606	0.0003344
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0015511
Copper	324.754	-0.0036758	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000164	0.0000427	0.0000375	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0001152	0.0000000	0.0007821	0.0000000	0.0018096
Molybdenum	202.030	-0.0022171	-0.0021668	0.0005431	0.0008995	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0077086	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0005674	0.0000000	0.0000000	0.0019090	0.0005625
Vanadium	292.402	0.0000000	-0.0023318	0.0000000	0.0019249	-0.0079209
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000083			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0001201			
Iron	271.441	0.0000241	0.0000599			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000300			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0184759	-0.0002216			
Nickel	231.604	0.0000000	0.0047199			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0009140	-0.0008084			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	10000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	5000.0	P

Comments:

USEPA CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS051710A	5/17/2010	0.50	50.0
PBS051710A	5/17/2010	0.30	50.0
TS10082	5/17/2010	0.33	50.0
TS10082D	5/17/2010	0.37	50.0
TS10082S	5/17/2010	0.34	50.0

USEPA CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS051310D	5/13/2010	1.00	100.0
PBS051310D	5/13/2010	1.00	100.0
TS10082	5/13/2010	1.12	100.0

USEPA CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 5/14/2010 End Date: 5/14/2010

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1050				X	X		X		X				X						X	X					
STD7	1.00	1054																									
STD8	1.00	1058				X									X						X						
STD4	1.00	1102					X		X		X											X					
ICV	1.00	1106				X	X		X		X				X						X	X					
ICB	1.00	1110				X	X		X		X				X						X	X					
ICSA	1.00	1114				X	X		X		X				X						X	X					
ICSAB	1.00	1118				X	X		X		X				X						X	X					
CRI	1.00	1121				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1125																									
CCV	1.00	1129				X	X		X		X				X						X	X					
CCB	1.00	1133				X	X		X		X				X						X	X					
PBS051310D	1.00	1137				X	X		X		X				X						X	X					
LCSS051310D	1.00	1141				X	X		X		X				X						X	X					
TS10082	1.00	1145				X	X		X		X				X						X	X					
TS10082L	5.00	1149				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1153																									
ZZZZZZ	1.00	1156																									
ZZZZZZ	1.00	1200																									
ZZZZZZ	1.00	1204																									
ZZZZZZ	1.00	1208																									
ZZZZZZ	1.00	1212																									
CCV	1.00	1216				X	X		X		X				X						X	X					
CCB	1.00	1220				X	X		X		X				X						X	X					

USEPA CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID Number: Leeman Hydra AA (2) Method: CV

Start Date: 5/18/2010 End Date: 5/18/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0952																X									
S0.2	1.00	0954																X									
S0.5	1.00	0956																X									
S1	1.00	0958																X									
S5	1.00	1000																X									
S10	1.00	1002																X									
ICV	1.00	1004																X									
ICB	1.00	1006																X									
CCV	1.00	1009																X									
CCB	1.00	1011																X									
PBS051710A	1.00	1013																X									
LCSS051710A	1.00	1015																X									
TS10082	1.00	1017																X									
ZZZZZZ	1.00	1018																									
TS10082S	1.00	1021																X									
TS10082D	1.00	1023																X									
CCV	1.00	1026																X									
CCB	1.00	1028																X									

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 829810

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
76-13-1	Freon TF	5.7	U
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	5.7	U
75-09-2	Methylene Chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
1634-04-4	Methyl-t-Butyl Ether	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
78-93-3	2-Butanone	5.7	U
74-97-5	Bromochloromethane	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
108-10-1	4-Methyl-2-pentanone	5.7	U
108-88-3	Toluene	5.7	U
10061-02-6	trans-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
591-78-6	2-Hexanone	5.7	U
124-48-1	Dibromochloromethane	5.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 829810

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
1330-20-7	Xylene (total)	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	1.3	J
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.3	JB
87-61-6	1,2,3-Trichlorobenzene	2.2	JB

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 829810I2

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl Chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
76-13-1	Freon TF	5.8	U
67-64-1	Acetone	23	
75-15-0	Carbon Disulfide	5.8	U
75-09-2	Methylene Chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
1634-04-4	Methyl-t-Butyl Ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
78-93-3	2-Butanone	5.8	U
74-97-5	Bromochloromethane	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
56-23-5	Carbon Tetrachloride	5.8	U
71-43-2	Benzene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
79-01-6	Trichloroethene	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	5.8	U
108-88-3	Toluene	5.8	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
591-78-6	2-Hexanone	5.8	U
124-48-1	Dibromochloromethane	5.8	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 829810I2

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
1330-20-7	Xylene (total)	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	1.6	JB
87-61-6	1,2,3-Trichlorobenzene	1.7	JB

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK051310NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051310NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NATB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK051310NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051310NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NATB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	0.91	J
87-61-6	1,2,3-Trichlorobenzene	0.96	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA051310LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: NA051310LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAT050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	47	
74-87-3	Chloromethane	48	
75-01-4	Vinyl Chloride	47	
74-83-9	Bromomethane	41	
75-00-3	Chloroethane	43	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	50	
76-13-1	Freon TF	48	
67-64-1	Acetone	45	
75-15-0	Carbon Disulfide	49	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl-t-Butyl Ether	51	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	51	
78-93-3	2-Butanone	49	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	59	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	51	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	54	
591-78-6	2-Hexanone	51	
124-48-1	Dibromochloromethane	54	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA051310LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: NA051310LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAT050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	54	
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	53	
1330-20-7	Xylene (total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	53	
98-82-8	Isopropylbenzene	51	
79-34-5	1,1,2,2-Tetrachloroethane	52	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	50	B
87-61-6	1,2,3-Trichlorobenzene	50	B

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NA051310LCS	98	97	96	94	0
02	MBLK051310NA	99	98	98	98	0
03	TS10082	105	117*	139*	112	2
04	TS10082RE	120	125*	152*	133	2
05						
06						
07						
08						
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12						
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26						
27						
28						
29						
30						

		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - Sample No.: NA051310LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		110	110	80-120
Xylene (o)	50		52	104	85-120
Dichlorodifluoromethane	50		47	94	30-180
Chloromethane	50		48	96	55-150
Vinyl Chloride	50		47	94	65-145
Bromomethane	50		41	82	65-145
Chloroethane	50		43	86	70-135
Trichlorofluoromethane	50		47	94	70-140
1,1-Dichloroethene	50		50	100	75-135
Freon TF	50		48	96	75-140
Acetone	50		45	90	50-130
Carbon Disulfide	50		49	98	80-135
Methylene Chloride	50		51	102	75-140
trans-1,2-Dichloroethen	50		53	106	80-130
Methyl-t-Butyl Ether	50		51	102	85-130
1,1-Dichloroethane	50		51	102	85-120
cis-1,2-Dichloroethene	50		51	102	80-120
2-Butanone	50		49	98	70-135
Bromochloromethane	50		53	106	75-125
Chloroform	50		50	100	85-120
1,1,1-Trichloroethane	50		52	104	80-115
Carbon Tetrachloride	50		52	104	80-115
Benzene	50		54	108	85-120
1,2-Dichloroethane	50		59	118	75-120
Trichloroethene	50		53	106	85-120
1,2-Dichloropropane	50		51	102	85-120
Bromodichloromethane	50		53	106	80-115
cis-1,3-Dichloropropene	50		53	106	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - Sample No.: NA051310LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		51	102	65-135
Toluene	50		52	104	75-125
trans-1,3-Dichloroprope	50		51	102	85-120
1,1,2-Trichloroethane	50		53	106	75-125
Tetrachloroethene	50		54	108	85-120
2-Hexanone	50		51	102	70-135
Dibromochloromethane	50		54	108	80-120
1,2-Dibromoethane	50		54	108	80-120
Chlorobenzene	50		53	106	80-120
Ethylbenzene	50		53	106	80-120
Xylene (total)	150		160	107	85-120
Styrene	50		53	106	80-125
Bromoform	50		53	106	75-130
Isopropylbenzene	50		51	102	85-120
1,1,2,2-Tetrachloroetha	50		52	104	75-125
1,3-Dichlorobenzene	50		51	102	80-120
1,4-Dichlorobenzene	50		51	102	85-120
1,2-Dichlorobenzene	50		52	104	85-120
1,2-Dibromo-3-Chloropro	50		48	96	65-130
1,2,4-Trichlorobenzene	50		50	100	80-125
1,2,3-Trichlorobenzene	50		50	100	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK051310NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: NATB05 Lab Sample ID: MBLK051310NA

Date Analyzed: 05/13/10 Time Analyzed: 1336

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA051310LCS	NA051310LCS	NAT050Q	1235
02	TS10082	829810	829810	1514
03	TS10082RE	829810R1	829810I2	1602
04				
05				
06				
07				
08				
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: NAT01PV BFB Injection Date: 05/13/10

Instrument ID: N BFB Injection Time: 0741

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	40.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	72.6
175	5.0 - 9.0% of mass 174	5.3 (7.3)1
176	95.0 - 101.0% of mass 174	70.7 (97.4)1
177	5.0 - 9.0% of mass 176	4.7 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NAT005V	05/13/10	0833
02	VSTD020	VSTD020	NAT020V	05/13/10	0904
03	VSTD050	VSTD050	NAT050V	05/13/10	0934
04	VSTD100	VSTD100	NAT100V	05/13/10	1005
05	VSTD200	VSTD200	NAT200V	05/13/10	1035
06	NA051310LCS	NA051310LCS	NAT050Q	05/13/10	1235
07	MBLK051310NA	MBLK051310NA	NATB05	05/13/10	1336
08	TS10082	829810	829810	05/13/10	1514
09	TS10082RE	829810R1	829810I2	05/13/10	1602
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FORM V VOA

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: N Calibration Date(s): 05/13/10 05/13/10

Heated Purge: (Y/N) Y Calibration Time(s): 0833 1035

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAT005V RRF20 =NAT020V
RRF50 =NAT050V RRF100=NAT100V RRF200=NAT200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.192	0.190	0.220	0.180	0.184	0.193	8.2*
Chloromethane *	0.200	0.188	0.217	0.176	0.171	0.190	9.7*
Vinyl Chloride *	0.195	0.204	0.244	0.205	0.202	0.210	9.2*
Bromomethane *	0.276	0.228	0.224	0.175	0.172	0.215	20.0*<-
Chloroethane *	0.135	0.138	0.157	0.122	0.078	0.126	23.5*<-
Trichlorofluoromethane *	0.493	0.501	0.587	0.499	0.494	0.515	7.9*
1,1-Dichloroethene *	0.269	0.270	0.310	0.270	0.274	0.279	6.3*
Freon TF *	0.622	0.635	0.709	0.620	0.642	0.646	5.7*
Acetone *	0.054	0.032	0.041	0.033	0.037	0.039	22.4*<-
Carbon Disulfide *	0.814	0.817	0.940	0.821	0.818	0.842	6.5*
Methylene Chloride *	0.291	0.276	0.320	0.284	0.299	0.294	5.8*
trans-1,2-Dichloroethene *	0.293	0.301	0.326	0.296	0.308	0.305	4.3*
Methyl-t-Butyl Ether *	0.443	0.465	0.538	0.476	0.518	0.488	8.0*
1,1-Dichloroethane *	0.485	0.501	0.567	0.508	0.531	0.518	6.1*
cis-1,2-Dichloroethene *	0.281	0.287	0.320	0.277	0.294	0.292	5.9*
2-Butanone *	0.017	0.014	0.017	0.015	0.016	0.016	7.9*
Bromochloromethane *	0.190	0.196	0.222	0.196	0.202	0.201	6.2*
Chloroform *	0.507	0.526	0.580	0.511	0.534	0.532	5.5*
1,1,1-Trichloroethane *	0.405	0.415	0.453	0.401	0.414	0.418	5.0*
Carbon Tetrachloride *	0.398	0.427	0.474	0.418	0.431	0.430	6.6*
Benzene *	0.573	0.586	0.648	0.568	0.584	0.592	5.5*
1,2-Dichloroethane *	0.208	0.218	0.247	0.219	0.236	0.226	6.9*
Trichloroethene *	0.400	0.414	0.463	0.404	0.419	0.420	6.0*
1,2-Dichloropropane *	0.340	0.354	0.399	0.348	0.362	0.361	6.4*
Bromodichloromethane *	0.657	0.689	0.769	0.674	0.717	0.701	6.3*
cis-1,3-Dichloropropene *	0.498	0.526	0.581	0.525	0.560	0.538	6.1*
4-Methyl-2-pentanone *	0.230	0.203	0.251	0.217	0.233	0.227	7.9*
Toluene *	0.673	0.686	0.743	0.648	0.666	0.683	5.2*
trans-1,3-Dichloropropene *	0.499	0.522	0.597	0.521	0.565	0.541	7.3*
1,1,2-Trichloroethane *	0.359	0.360	0.408	0.352	0.379	0.372	6.1*
Tetrachloroethene *	0.562	0.607	0.650	0.563	0.577	0.592	6.3*
2-Hexanone *	0.200	0.156	0.202	0.171	0.187	0.183	10.5*
Dibromochloromethane *	0.784	0.812	0.928	0.802	0.868	0.839	7.1*
1,2-Dibromoethane *	0.664	0.674	0.797	0.687	0.725	0.709	7.6*
Chlorobenzene *	0.945	0.979	1.045	0.930	0.955	0.971	4.6*
Ethylbenzene *	1.293	1.346	1.438	1.273	1.272	1.324	5.3*
Xylene (total) *	0.501	0.510	0.564	0.495	0.499	0.514	5.6*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: N Calibration Date(s): 05/13/10 05/13/10

Heated Purge: (Y/N) Y Calibration Time(s): 0833 1035

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAT005V RRF20 =NAT020V
RRF50 =NAT050V RRF100=NAT100V RRF200=NAT200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene *	0.826	0.853	0.966	0.830	0.847	0.864	6.7*
Bromoform *	0.567	0.604	0.717	0.608	0.656	0.630	9.2*
Isopropylbenzene *	2.313	2.366	2.632	2.384	2.410	2.421	5.1*
1,1,2,2-Tetrachloroethane *	1.201	1.244	1.474	1.258	1.351	1.306	8.3*
1,3-Dichlorobenzene *	1.418	1.419	1.546	1.384	1.409	1.435	4.4*
1,4-Dichlorobenzene *	1.559	1.490	1.634	1.435	1.496	1.523	5.0*
1,2-Dichlorobenzene *	1.344	1.338	1.476	1.275	1.313	1.349	5.6*
1,2-Dibromo-3-Chloropropane *	0.250	0.237	0.298	0.253	0.285	0.265	9.7*
1,2,4-Trichlorobenzene *	1.192	1.080	1.206	1.038	1.084	1.120	6.6*
1,2,3-Trichlorobenzene *	1.107	0.971	1.113	0.928	1.004	1.025	8.0*
1,2-Dichloroethane-d4 *	0.180	0.179	0.205	0.182	0.194	0.188	6.0*
Toluene-d8 *	1.010	1.046	1.147	1.004	1.036	1.049	5.5*
Bromofluorobenzene *	1.288	1.315	1.459	1.299	1.350	1.342	5.2*
1,2-Dichlorobenzene-d4 *	0.906	0.911	1.001	0.873	0.905	0.919	5.2*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID (Standard): NAT050V Date Analyzed: 05/13/10

Instrument ID: N Time Analyzed: 0934

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	5522220	9.86	4555271	15.87	2762635	20.21
	UPPER LIMIT	11044440	10.36	9110542	16.37	5525270	20.71
	LOWER LIMIT	2761110	9.36	2277636	15.37	1381318	19.71
	CLIENT SAMPLE NO.						
01	NA051310LCS	6253397	9.87	5206702	15.87	3181899	20.21
02	MBLK051310NA	6044911	9.86	4953130	15.87	2924100	20.21
03	TS10082	4018392	9.86	2988691	15.86	1300536*	20.21
04	TS10082RE	4073740	9.86	3110380	15.88	1397885	20.21
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL15

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	380	U
62-75-9	N-Nitrosodimethylamine	380	U
62-53-3	Aniline	970	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl Alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
65-85-0	Benzoic Acid	970	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	970	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL15

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: 14 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	970	U
132-64-9	Dibenzofuran	380	U
100-02-7	4-Nitrophenol	970	U
121-14-2	2,4-Dinitrotoluene	380	U
86-73-7	Fluorene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
103-33-3	Azobenzene	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	79	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	80	J
92-87-5	Benzidine	970	U
129-00-0	Pyrene	95	J
85-68-7	Butylbenzylphthalate	380	U
56-55-3	Benzo(a)anthracene	43	J
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	Chrysene	48	J
117-81-7	bis(2-Ethylhexyl)phthalate	34	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	31	J

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL15

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: 14 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	38	J
50-32-8	Benzo(a)pyrene	35	J
193-39-5	Indeno(1,2,3-cd)pyrene	20	J
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	23	J

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: QFL14

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	330	U
62-75-9	N-Nitrosodimethylamine	330	U
62-53-3	Aniline	830	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
65-85-0	Benzoic Acid	830	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: QFL14

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	830	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
103-33-3	Azobenzene	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
92-87-5	Benzidine	830	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: QFL14

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: E051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL13

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	
62-75-9	N-Nitrosodimethylamine	1500	
62-53-3	Aniline	900	
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	1600	
95-57-8	2-Chlorophenol	1600	
541-73-1	1,3-Dichlorobenzene	1600	
106-46-7	1,4-Dichlorobenzene	1500	
100-51-6	Benzyl Alcohol	1600	
95-50-1	1,2-Dichlorobenzene	1500	
95-48-7	2-Methylphenol	1700	
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	
106-44-5	4-Methylphenol	1700	
621-64-7	N-Nitroso-di-n-propylamine	1600	
67-72-1	Hexachloroethane	1400	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1700	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1800	
111-91-1	bis(2-Chloroethoxy)methane	1700	
65-85-0	Benzoic Acid	1400	
120-83-2	2,4-Dichlorophenol	1800	
120-82-1	1,2,4-Trichlorobenzene	1700	
91-20-3	Naphthalene	1700	
106-47-8	4-Chloroaniline	460	
87-68-3	Hexachlorobutadiene	1600	
59-50-7	4-Chloro-3-methylphenol	1800	
91-57-6	2-Methylnaphthalene	1900	
77-47-4	Hexachlorocyclopentadiene	1500	
88-06-2	2,4,6-Trichlorophenol	1700	
95-95-4	2,4,5-Trichlorophenol	1600	
91-58-7	2-Chloronaphthalene	1500	
88-74-4	2-Nitroaniline	1600	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: E051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL13

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1600	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	520	J
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	1200	
132-64-9	Dibenzofuran	1600	
100-02-7	4-Nitrophenol	1600	
121-14-2	2,4-Dinitrotoluene	1700	
86-73-7	Fluorene	1600	
84-66-2	Diethylphthalate	1700	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1300	
534-52-1	4,6-Dinitro-2-methylphenol	1700	
86-30-6	N-nitrosodiphenylamine (1)	1800	
103-33-3	Azobenzene	1700	
101-55-3	4-Bromophenyl-phenylether	1800	
118-74-1	Hexachlorobenzene	1800	
87-86-5	Pentachlorophenol	1700	
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	1800	
86-74-8	Carbazole	1700	
84-74-2	Di-n-butylphthalate	1700	
206-44-0	Fluoranthene	1600	
92-87-5	Benzidine	400	J
129-00-0	Pyrene	2300	
85-68-7	Butylbenzylphthalate	2100	
56-55-3	Benzo(a)anthracene	1800	
91-94-1	3,3'-Dichlorobenzidine	680	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	2000	
117-84-0	Di-n-octylphthalate	1800	
205-99-2	Benzo(b)fluoranthene	1600	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: E051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL13

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	
53-70-3	Dibenz(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	2000	

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	E051210LCS	89	91	88	81	88	90	91	94	0
02	MBLK051210E	94	97	96	80	89	89	89	82	0
03	TS10082	38*	88	37*	80	84	95	36*	76	3
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		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - STLVT Sample No.: E051210LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Pyridine	1700		1000	59	15-105
N-Nitrosodimethylamine	1700		1500	88	55-125
Aniline	1700		900	53	10-105
Phenol	1700		1600	94	60-140
bis(2-Chloroethyl)Ether	1700		1600	94	60-125
2-Chlorophenol	1700		1600	94	60-125
1,3-Dichlorobenzene	1700		1600	94	50-115
1,4-Dichlorobenzene	1700		1500	88	55-120
Benzyl Alcohol	1700		1600	94	50-155
1,2-Dichlorobenzene	1700		1500	88	55-120
2-Methylphenol	1700		1700	100	50-135
2,2'-oxybis(1-Chloropro	1700		1600	94	60-130
4-Methylphenol	1700		1700	100	35-140
N-Nitroso-di-n-prop.(1)	1700		1600	94	45-125
Hexachloroethane	1700		1400	82	55-120
Nitrobenzene	1700		1700	100	55-120
Isophorone	1700		1700	100	50-115
2-Nitrophenol	1700		1700	100	55-135
2,4-Dimethylphenol	1700		1800	106	25-150
bis(2-Chloroethoxy)meth	1700		1700	100	55-125
Benzoic Acid	1700		1400	82	25-145
2,4-Dichlorophenol	1700		1800	106	55-130
1,2,4-Trichlorobenzene	1700		1700	100	55-120
Naphthalene	1700		1700	100	55-120
4-Chloroaniline	1700		460	27	10- 90
Hexachlorobutadiene	1700		1600	94	50-130
4-Chloro-3-methylphenol	1700		1800	106	60-140
2-Methylnaphthalene	1700		1900	112	45-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - STLVT Sample No.: E051210LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Hexachlorocyclopentadie	1700		1500	88	30-105
2,4,6-Trichlorophenol	1700		1700	100	60-135
2,4,5-Trichlorophenol	1700		1600	94	60-130
2-Chloronaphthalene	1700		1500	88	45-120
2-Nitroaniline	1700		1600	94	50-125
Dimethylphthalate	1700		1600	94	55-120
Acenaphthylene	1700		1600	94	50-115
2,6-Dinitrotoluene	1700		1700	100	55-130
3-Nitroaniline	1700		520	30	20- 85
Acenaphthene	1700		1700	100	55-120
2,4-Dinitrophenol	1700		1200	70	25-160
Dibenzofuran	1700		1600	94	55-120
4-Nitrophenol	1700		1600	94	30-155
2,4-Dinitrotoluene	1700		1700	100	50-120
Fluorene	1700		1600	94	50-125
Diethylphthalate	1700		1700	100	50-125
4-Chlorophenyl-phenylet	1700		1600	94	50-120
4-Nitroaniline	1700		1300	76	25-115
4,6-Dinitro-2-methylphe	1700		1700	100	55-160
N-nitrosodiphenylamine	1700		1800	106	45-130
Azobenzene	1700		1700	100	60-140
4-Bromophenyl-phenyleth	1700		1800	106	55-130
Hexachlorobenzene	1700		1800	106	55-125
Pentachlorophenol	1700		1700	100	50-140
Phenanthrene	1700		1700	100	60-125
Anthracene	1700		1800	106	60-125
Carbazole	1700		1700	100	55-125
Di-n-butylphthalate	1700		1700	100	50-120

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - STLVT Sample No.: E051210LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Fluoranthene	1700		1600	94	50-120
Benzidine	1700		400	24	10-120
Pyrene	1700		2300	135	35-175
Butylbenzylphthalate	1700		2100	124	65-145
Benzo(a)anthracene	1700		1800	106	55-130
3,3'-Dichlorobenzidine	1700		680	40	10-120
Chrysene	1700		1800	106	60-125
bis(2-Ethylhexyl)phthal	1700		2000	118	55-140
Di-n-octylphthalate	1700		1800	106	60-135
Benzo(b)fluoranthene	1700		1600	94	45-130
Benzo(k)fluoranthene	1700		1800	106	60-125
Benzo(a)pyrene	1700		1700	100	55-120
Indeno(1,2,3-cd)pyrene	1700		1800	106	55-135
Dibenz(a,h)anthracene	1700		2000	118	35-145
Benzo(g,h,i)perylene	1700		2000	118	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 71 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: QFL14 Lab Sample ID: MBLK051210E

Instrument ID: Q Date Extracted: 05/12/10

Matrix: (soil/water) SOIL Date Analyzed: 05/16/10

Level:(low/med) LOW Time Analyzed: 1326

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E051210LCS	E051210LCS	QFL13	05/16/10
02	TS10082	829810	QFL15	05/16/10
03				
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COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: QFL03 DFTPP Injection Date: 05/16/10

Instrument ID: Q DFTPP Injection Time: 0731

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	63.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	18.3
365	Greater than 1.0% of mass 198	2.13
441	Present, but less than mass 443	7.2
442	Greater than 40.0% of mass 198	61.8
443	17.0 - 23.0% of mass 442	12.0 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	QFL04	05/16/10	0752
02	SSTD140	SSTD140	QFL05	05/16/10	0826
03	SSTD120	SSTD120	QFL06	05/16/10	0859
04	SSTD100	SSTD100	QFL07	05/16/10	0932
05	SSTD080	SSTD080	QFL08	05/16/10	1006
06	SSTD050	SSTD050	QFL09	05/16/10	1039
07	SSTD020	SSTD020	QFL10	05/16/10	1113
08	SSTD320	SSTD320	QFL11	05/16/10	1146
09	SSTD100-ICV	SSTD100-ICV	QFL12	05/16/10	1220
10	E051210LCS	E051210LCS	QFL13	05/16/10	1253
11	MBLK051210E	MBLK051210E	QFL14	05/16/10	1326
12	TS10082	829810	QFL15	05/16/10	1400
13					
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FORM V SV

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =qfl10.d RRF50 =qfl09.d
RRF80 =qfl08.d RRF100=qfl07.d RRF120=qfl06.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Pyridine	1.003	1.081	1.106	1.141	1.034		
N-Nitrosodimethylamine	0.617	0.637	0.662	0.670	0.641		
Aniline		1.722	1.797	1.916	1.849		
Phenol *	1.531	1.470	1.544	1.628	1.490		*
bis(2-Chloroethyl)Ether	1.162	1.104	1.178	1.183	1.132		
2-Chlorophenol	1.368	1.312	1.366	1.374	1.322		
1,3-Dichlorobenzene	1.382	1.386	1.411	1.533	1.506		
1,4-Dichlorobenzene *	1.416	1.363	1.504	1.522	1.520		*
Benzyl Alcohol	0.740	0.756	0.796	0.806	0.793		
1,2-Dichlorobenzene	1.352	1.310	1.454	1.438	1.415		
2-Methylphenol	0.957	0.975	0.982	1.048	1.003		
2,2'-oxybis(1-Chloropropane	1.440	1.425	1.492	1.574	1.507		
4-Methylphenol	1.191	1.204	1.243	1.300	1.280		
N-Nitroso-di-n-propylamine #	0.830	0.851	0.885	0.890	0.893		#
Hexachloroethane	0.662	0.662	0.693	0.701	0.718		
Nitrobenzene	0.378	0.369	0.360	0.389	0.384		
Isophorone	0.661	0.650	0.698	0.693	0.714		
2-Nitrophenol *	0.199	0.205	0.211	0.221	0.218		*
2,4-Dimethylphenol	0.345	0.332	0.361	0.368	0.343		
bis(2-Chloroethoxy)methane	0.388	0.394	0.394	0.399	0.394		
Benzoic Acid		0.238	0.265	0.265	0.262		
2,4-Dichlorophenol *	0.301	0.298	0.294	0.322	0.301		*
1,2,4-Trichlorobenzene	0.340	0.322	0.357	0.353	0.346		
Naphthalene	0.934	0.996	1.020	1.044	0.957		
4-Chloroaniline	0.426	0.430	0.458	0.465	0.452		
Hexachlorobutadiene *	0.171	0.182	0.188	0.199	0.179		*
4-Chloro-3-methylphenol *	0.264	0.277	0.288	0.296	0.279		*
2-Methylnaphthalene	0.201	0.206	0.212	0.218	0.208		
Hexachlorocyclopentadiene #	0.260	0.369	0.369	0.386	0.414		#
2,4,6-Trichlorophenol *	0.367	0.413	0.406	0.416	0.423		*
2,4,5-Trichlorophenol		0.422	0.422	0.472	0.452		
2-Chloronaphthalene	0.432	0.470	0.484	0.475	0.484		
2-Nitroaniline		0.381	0.364	0.391	0.380		
Dimethylphthalate	1.237	1.395	1.385	1.466	1.409		
Acenaphthylene	1.665	1.969	1.947	2.107	1.995		
2,6-Dinitrotoluene	0.267	0.336	0.315	0.333	0.332		
3-Nitroaniline		0.372	0.389	0.389	0.412		

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =qfl10.d RRF50 =qfl09.d
RRF80 =qfl08.d RRF100=qfl07.d RRF120=qfl06.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD	
Acenaphthene	*	1.003	1.037	1.111	1.078	1.050			*
2,4-Dinitrophenol	#		0.150	0.185	0.210	0.213			#
Dibenzofuran		1.452	1.700	1.739	1.723	1.767			
4-Nitrophenol	#		0.268	0.260	0.283	0.275			#
2,4-Dinitrotoluene		0.366	0.422	0.402	0.435	0.426			
Fluorene		1.131	1.306	1.314	1.395	1.309			
Diethylphthalate		1.318	1.494	1.411	1.506	1.443			
4-Chlorophenyl-phenylether		0.514	0.567	0.548	0.594	0.581			
4-Nitroaniline			0.372	0.349	0.350	0.371			
4,6-Dinitro-2-methylphenol			0.113	0.122	0.127	0.136			
N-nitrosodiphenylamine (1)	*	0.565	0.611	0.609	0.593	0.619			*
Azobenzene		0.232	0.278	0.265	0.276	0.263			
4-Bromophenyl-phenylether		0.190	0.194	0.202	0.202	0.200			
Hexachlorobenzene		0.234	0.250	0.242	0.258	0.239			
Pentachlorophenol	*		0.148	0.149	0.157	0.152			*
Phenanthrene		0.984	1.047	0.981	1.003	0.999			
Anthracene		0.970	1.036	1.067	1.025	0.979			
Carbazole		0.978	0.982	0.996	1.001	1.045			
Di-n-butylphthalate		1.279	1.436	1.392	1.422	1.442			
Fluoranthene	*	1.005	0.976	0.965	1.115	0.988			*
Benzidine			0.744	0.678	0.670	0.702			
Pyrene		1.232	1.343	1.295	1.424	1.366			
Butylbenzylphthalate		0.607	0.748	0.709	0.804	0.803			
Benzo(a)anthracene		0.964	1.055	0.979	1.054	1.055			
3,3'-Dichlorobenzidine		0.262	0.400	0.393	0.408	0.418			
Chrysene		0.929	0.946	0.954	1.005	1.027			
bis(2-Ethylhexyl)phthalate		0.840	0.915	0.899	0.938	1.015			
Di-n-octylphthalate	*	1.168	1.446	1.480	1.542	1.654			*
Benzo(b)fluoranthene		1.110	1.266	1.031	1.113	1.073			
Benzo(k)fluoranthene		1.209	1.116	1.306	1.452	1.209			
Benzo(a)pyrene	*	0.956	1.027	1.062	1.133	1.003			*
Indeno(1,2,3-cd)pyrene		1.154	1.183	1.283	1.534	1.479			
Dibenz(a,h)anthracene		0.864	0.927	0.998	1.155	1.092			
Benzo(g,h,i)perylene		1.002	0.987	1.085	1.284	1.272			
2-Fluorophenol		1.340	1.276	1.240	1.336	1.333			

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =qfl10.d RRF50 =qfl09.d
RRF80 =qfl08.d RRF100=qfl07.d RRF120=qfl06.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Phenol-d5	1.705	1.677	1.608	1.704	1.676		
2-Chlorophenol-d4	1.424	1.363	1.322	1.354	1.373		
1,2-Dichlorobenzene-d4	1.035	1.007	0.969	0.972	1.048		
Nitrobenzene-d5	0.420	0.422	0.391	0.455	0.439		
2-Fluorobiphenyl	1.401	1.463	1.317	1.457	1.545		
2,4,6-Tribromophenol	0.231	0.253	0.245	0.264	0.271		
Terphenyl-d14	0.923	0.880	0.802	0.918	1.044		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=qfl05.d RRF160=qfl04.d
RRF320=qfl11.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Pyridine	0.932	1.059				1.051	6.6
N-Nitrosodimethylamine	0.586	0.642				0.636	4.4
Aniline	1.712	1.873				1.812	4.6
Phenol *	1.337	1.498				1.500	5.9*
bis(2-Chloroethyl)Ether	1.037	1.150				1.135	4.5
2-Chlorophenol	1.201	1.336				1.326	4.5
1,3-Dichlorobenzene	1.303	1.481				1.429	5.7
1,4-Dichlorobenzene *	1.391	1.506				1.460	4.6*
Benzyl Alcohol	0.747	0.764				0.772	3.4
1,2-Dichlorobenzene	1.312	1.434				1.388	4.4
2-Methylphenol	0.900	1.046				0.987	5.3
2,2'-oxybis(1-Chloropropane	1.375	1.566				1.483	5.0
4-Methylphenol	1.134	1.325				1.240	5.4
N-Nitroso-di-n-propylamine #	0.772	0.895				0.859	5.3#
Hexachloroethane	0.626	0.704				0.681	4.7
Nitrobenzene	0.361	0.375				0.374	2.9
Isophorone	0.667	0.682				0.681	3.4
2-Nitrophenol *	0.218	0.208				0.211	3.9*
2,4-Dimethylphenol	0.343	0.329				0.346	4.0
bis(2-Chloroethoxy)methane	0.387	0.380				0.391	1.6
Benzoic Acid	0.260	0.267	0.296			0.265	6.4
2,4-Dichlorophenol *	0.297	0.311				0.303	3.3*
1,2,4-Trichlorobenzene	0.344	0.348				0.344	3.3
Naphthalene	1.022	0.933				0.986	4.6
4-Chloroaniline	0.438	0.460				0.447	3.4
Hexachlorobutadiene *	0.184	0.178				0.183	4.8*
4-Chloro-3-methylphenol *	0.273	0.274				0.279	3.8*
2-Methylnaphthalene	0.201	0.217				0.209	3.4
Hexachlorocyclopentadiene #	0.393	0.420				0.373	14.3#
2,4,6-Trichlorophenol *	0.384	0.426				0.405	5.3*
2,4,5-Trichlorophenol	0.421	0.441				0.438	4.7
2-Chloronaphthalene	0.464	0.444				0.465	4.3
2-Nitroaniline	0.375	0.372				0.377	2.4
Dimethylphthalate	1.323	1.341				1.365	5.4
Acenaphthylene	1.946	1.957				1.941	6.9
2,6-Dinitrotoluene	0.301	0.321				0.315	7.8
3-Nitroaniline	0.389	0.372				0.387	3.8

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=qfl05.d RRF160=qfl04.d
RRF320=qfl11.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD	
Acenaphthene *	1.029	1.075				1.055	3.4*	
2,4-Dinitrophenol #	0.193	0.206				0.193	12.3#	
Dibenzofuran	1.620	1.674				1.668	6.4	
4-Nitrophenol #	0.247	0.283				0.269	5.2#	
2,4-Dinitrotoluene	0.385	0.441				0.411	6.8	
Fluorene	1.226	1.288				1.281	6.4	
Diethylphthalate	1.368	1.411				1.422	4.7	
4-Chlorophenyl-phenylether	0.535	0.563				0.557	4.9	
4-Nitroaniline	0.320	0.352				0.352	5.4	
4,6-Dinitro-2-methylphenol	0.128	0.140				0.128	7.5	
N-nitrosodiphenylamine (1) *	0.605	0.603				0.601	2.9*	
Azobenzene	0.246	0.255				0.259	6.4	
4-Bromophenyl-phenylether	0.188	0.196				0.196	2.9	
Hexachlorobenzene	0.233	0.234				0.241	3.9	
Pentachlorophenol *	0.150	0.149				0.151	2.2*	
Phenanthrene	1.004	1.029				1.007	2.4	
Anthracene	0.998	1.035				1.016	3.4	
Carbazole	0.964	0.955				0.989	3.0	
Di-n-butylphthalate	1.359	1.423				1.393	4.2	
Fluoranthene *	0.999	0.991				1.006	5.0*	
Benzidine	0.586	0.577				0.660	10.0	
Pyrene	1.296	1.258				1.316	5.0	
Butylbenzylphthalate	0.708	0.720				0.728	9.2	
Benzo(a)anthracene	0.979	0.983				1.010	4.2	
3,3'-Dichlorobenzidine	0.329	0.376				0.369	15.0	<-
Chrysene	0.923	0.945				0.961	4.1	
bis(2-Ethylhexyl)phthalate	0.890	0.901				0.914	5.9	
Di-n-octylphthalate *	1.533	1.543				1.481	10.3*	
Benzo(b)fluoranthene	1.009	1.025				1.090	8.1	
Benzo(k)fluoranthene	1.114	1.178				1.226	9.7	
Benzo(a)pyrene *	1.005	1.032				1.031	5.4*	
Indeno(1,2,3-cd)pyrene	1.476	1.672				1.397	13.9	
Dibenz(a,h)anthracene	1.082	1.342				1.066	14.8	
Benzo(g,h,i)perylene	1.221	1.471				1.189	14.7	
2-Fluorophenol	1.215	1.449				1.313	5.9	

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=qfl05.d RRF160=qfl04.d
RRF320=qfl11.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Phenol-d5	1.583	1.794				1.678	4.1
2-Chlorophenol-d4	1.302	1.462				1.371	4.1
1,2-Dichlorobenzene-d4	0.966	1.106				1.015	5.1
Nitrobenzene-d5	0.438	0.432				0.428	4.7
2-Fluorobiphenyl	1.509	1.640				1.476	7.0
2,4,6-Tribromophenol	0.240	0.269				0.253	6.1
Terphenyl-d14	0.939	0.937				0.920	7.9

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID (Standard): QFL09 Date Analyzed: 05/16/10

Instrument ID: Q Time Analyzed: 1039

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	309376	5.53	1027480	7.49	494178	10.06
	UPPER LIMIT	618752	6.03	2054960	7.99	988356	10.56
	LOWER LIMIT	154688	5.03	513740	6.99	247089	9.56
	STLVT SAMPLE NO.						
01	E051210LCS	422395	5.54	1368942	7.50	727524	10.06
02	MBLK051210E	411544	5.53	1409396	7.49	731026	10.06
03	TS10082	396578	5.53	1342927	7.49	599917	10.06
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID (Standard): QFL09 Date Analyzed: 05/16/10

Instrument ID: Q Time Analyzed: 1039

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	837194	12.02	667260	15.56	574672	17.32
	UPPER LIMIT	1674388	12.52	1334520	16.06	1149344	17.82
	LOWER LIMIT	418597	11.52	333630	15.06	287336	16.82
	STLVT SAMPLE NO.						
01	E051210LCS	1145298	12.03	636808	15.57	598507	17.32
02	MBLK051210E	1229640	12.03	914681	15.55	651733	17.31
03	TS10082	789723	12.03	515905	15.56	597068	17.32
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8082 PCBS

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 17MAY102004-R031

% Moisture: 14 decanted: (Y/N) N Date Received: 05/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	19	U
11104-28-2	Aroclor-1221	19	U
11141-16-5	Aroclor-1232	19	U
53469-21-9	Aroclor-1242	19	U
12672-29-6	Aroclor-1248	19	U
11097-69-1	Aroclor-1254	19	U
11096-82-5	Aroclor-1260	19	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK051210D

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 17MAY102004-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

D051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: D051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 17MAY102004-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	150	
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	150	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

GC Column(1): MR-1 ID: 0.53 (mm) GC Column(2): MR-2 ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK051210D	98	98	90	90			0
02	D051210LCS	98	98	82	90			0
03	TS10082	84	90	71	71			0
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ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-130)
S2 (DCB) = Decachlorobiphenyl (45-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - Sample No.: D051210LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	170		150	88	55-120
Aroclor-1260	170		150	88	55-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK051210D

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab Sample ID: MBLK051210D Lab File ID: 17MAY102004-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/12/10

Date Analyzed (1): 05/18/10 Date Analyzed (2): 05/18/10

Time Analyzed (1): 0137 Time Analyzed (2): 0137

Instrument ID (1): 2624_1 Instrument ID (2): 2624_2

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	D051210LCS	D051210LCS	05/18/10	05/18/10
02	TS10082	829810	05/18/10	05/18/10
03				
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COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_1 Calibration Date(s): 05/17/10 05/18/10

Column: MR-1 ID: 0.53 (mm) Calibration Time(s): 2040 0034

LAB FILE ID: RF50: 17MAY101933-RF100: 17MAY101933RF200: 17MAY101933
RF400: 17MAY101933RF800: 17MAY101933

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	252.500	230.660	219.140	185.712	164.255
(2)	211.640	193.380	188.300	162.252	146.141
(3)	292.640	267.960	258.860	225.822	205.852
(4)	230.560	211.460	204.290	176.868	159.220
(5)	210.540	195.350	193.115	169.825	155.340
Aroclor-1221			97.280		
(2)			71.440		
(3)			216.250		
(4)			36.225		
(5)			34.310		
Aroclor-1232			185.865		
(2)			100.345		
(3)			85.165		
(4)			228.440		
(5)			115.815		
Aroclor-1242			175.730		
(2)			149.085		
(3)			408.190		
(4)			203.200		
(5)			165.070		
Aroclor-1248			102.920		
(2)			69.785		
(3)			266.260		
(4)			103.745		
(5)			211.935		
Aroclor-1254			157.950		
(2)			135.570		
(3)			272.965		
(4)			119.965		
(5)			348.155		
Aroclor-1260	395.060	363.380	351.250	301.438	274.851
(2)	892.780	831.770	818.085	724.822	671.835
(3)	530.400	495.360	489.065	429.642	402.135
(4)	241.300	228.720	229.410	204.568	192.679
(5)	264.720	251.480	247.305	218.188	202.351
Tetrachloro-m-xylene	8313.400	7995.700	8139.500	7295.750	6699.338
Decachlorobiphenyl	9274.800	8234.400	7810.050	6593.050	5964.312

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_1 Calibration Date(s): 05/17/10 05/18/10

Column: MR-1 ID: 0.53 (mm) Calibration Time(s): 2040 0034

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	210.453500	16.796	20.000	
(2)	AVRG	180.342750	14.432	20.000	
(3)	AVRG	250.227000	13.775	20.000	
(4)	AVRG	196.479500	14.440	20.000	
(5)	AVRG	184.834000	11.900	20.000	
Aroclor-1221	AVRG	97.2800000	0.000	20.000	<-
(2)	AVRG	71.4400000	0.000	20.000	<-
(3)	AVRG	216.250000	0.000	20.000	<-
(4)	AVRG	36.2250000	0.000	20.000	<-
(5)	AVRG	34.3100000	0.000	20.000	<-
Aroclor-1232	AVRG	185.865000	0.000	20.000	<-
(2)	AVRG	100.345000	0.000	20.000	<-
(3)	AVRG	85.1650000	0.000	20.000	<-
(4)	AVRG	228.440000	0.000	20.000	<-
(5)	AVRG	115.815000	0.000	20.000	<-
Aroclor-1242	AVRG	175.730000	0.000	20.000	<-
(2)	AVRG	149.085000	0.000	20.000	<-
(3)	AVRG	408.190000	0.000	20.000	<-
(4)	AVRG	203.200000	0.000	20.000	<-
(5)	AVRG	165.070000	0.000	20.000	<-
Aroclor-1248	AVRG	102.920000	0.000	20.000	<-
(2)	AVRG	69.7850000	0.000	20.000	<-
(3)	AVRG	266.260000	0.000	20.000	<-
(4)	AVRG	103.745000	0.000	20.000	<-
(5)	AVRG	211.935000	0.000	20.000	<-
Aroclor-1254	AVRG	157.950000	0.000	20.000	<-
(2)	AVRG	135.570000	0.000	20.000	<-
(3)	AVRG	272.965000	0.000	20.000	<-
(4)	AVRG	119.965000	0.000	20.000	<-
(5)	AVRG	348.155000	0.000	20.000	<-
Aroclor-1260	AVRG	337.195750	14.374	20.000	
(2)	AVRG	787.858500	11.225	20.000	
(3)	AVRG	469.320500	11.116	20.000	
(4)	AVRG	219.335250	9.120	20.000	
(5)	AVRG	236.808750	10.846	20.000	
Tetrachloro-m-xylene	AVRG	7688.73750	8.775	20.000	
Decachlorobiphenyl	AVRG	7575.32250	17.385	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_2 Calibration Date(s): 05/17/10 05/18/10

Column: MR-2 ID: 0.53 (mm) Calibration Time(s): 2040 0034

LAB FILE ID: RF50: 17MAY101933-RF100: 17MAY101933RF200: 17MAY101933
RF400: 17MAY101933RF800: 17MAY101933

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	120.060	113.100	111.280	97.755	90.136
(2)	203.440	187.340	181.415	156.545	140.505
(3)	356.660	346.020	355.885	322.822	300.400
(4)	172.060	164.020	165.415	148.730	139.792
(5)	132.300	127.840	132.165	121.138	114.492
Aroclor-1221			23.110		
(2)			59.025		
(3)			44.160		
(4)			145.230		
(5)			25.200		
Aroclor-1232			124.040		
(2)			82.880		
(3)			149.160		
(4)			71.280		
(5)			53.745		
Aroclor-1242			145.835		
(2)			115.660		
(3)			275.900		
(4)			129.120		
(5)			102.085		
Aroclor-1248			79.140		
(2)			175.975		
(3)			71.500		
(4)			180.955		
(5)			88.080		
Aroclor-1254			155.925		
(2)			88.635		
(3)			178.645		
(4)			155.120		
(5)			243.380		
Aroclor-1260	283.140	270.290	275.540	243.830	230.014
(2)	580.420	559.200	567.835	506.030	476.131
(3)	149.920	144.040	148.160	130.320	122.039
(4)	65.300	64.320	68.530	62.785	59.999
(5)	169.500	166.240	172.980	154.232	146.605
Tetrachloro-m-xylene	5035.200	4963.700	5300.700	4862.825	4575.850
Decachlorobiphenyl	6499.800	5962.100	5758.000	4922.400	4471.312

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_2 Calibration Date(s): 05/17/10 05/18/10

Column: MR-2 ID: 0.53 (mm) Calibration Time(s): 2040 0034

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	106.466250	11.451	20.000	
(2)	AVRG	173.849000	14.455	20.000	
(3)	AVRG	336.357500	7.226	20.000	
(4)	AVRG	158.003500	8.410	20.000	
(5)	AVRG	125.587000	6.120	20.000	
Aroclor-1221	AVRG	23.1100000	0.000	20.000	<-
(2)	AVRG	59.0250000	0.000	20.000	<-
(3)	AVRG	44.1600000	0.000	20.000	<-
(4)	AVRG	145.230000	0.000	20.000	<-
(5)	AVRG	25.2000000	0.000	20.000	<-
Aroclor-1232	AVRG	124.040000	0.000	20.000	<-
(2)	AVRG	82.8800000	0.000	20.000	<-
(3)	AVRG	149.160000	0.000	20.000	<-
(4)	AVRG	71.2800000	0.000	20.000	<-
(5)	AVRG	53.7450000	0.000	20.000	<-
Aroclor-1242	AVRG	145.835000	0.000	20.000	<-
(2)	AVRG	115.660000	0.000	20.000	<-
(3)	AVRG	275.900000	0.000	20.000	<-
(4)	AVRG	129.120000	0.000	20.000	<-
(5)	AVRG	102.085000	0.000	20.000	<-
Aroclor-1248	AVRG	79.1400000	0.000	20.000	<-
(2)	AVRG	175.975000	0.000	20.000	<-
(3)	AVRG	71.5000000	0.000	20.000	<-
(4)	AVRG	180.955000	0.000	20.000	<-
(5)	AVRG	88.0800000	0.000	20.000	<-
Aroclor-1254	AVRG	155.925000	0.000	20.000	<-
(2)	AVRG	88.6350000	0.000	20.000	<-
(3)	AVRG	178.645000	0.000	20.000	<-
(4)	AVRG	155.120000	0.000	20.000	<-
(5)	AVRG	243.380000	0.000	20.000	<-
Aroclor-1260	AVRG	260.562750	8.671	20.000	
(2)	AVRG	537.923250	8.308	20.000	
(3)	AVRG	138.895750	8.755	20.000	
(4)	AVRG	64.1867500	4.904	20.000	
(5)	AVRG	161.911500	6.850	20.000	
Tetrachloro-m-xylene	AVRG	4947.65500	5.328	20.000	
Decachlorobiphenyl	AVRG	5522.72250	14.791	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_1 Calibration Date: 05/18/10 Time: 0509

Lab File ID: 17MAY102004-R1 Init. Calib. Date(s): 05/17/10 05/18/10

Init. Calib. Times: 2309 0034

GC Column: MR-1 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	210.453	217.690		3.4	15.0
(2)	180.343	186.795		3.6	15.0
(3)	250.227	259.710		3.8	15.0
(4)	196.480	203.325		3.5	15.0
(5)	184.834	191.230		3.5	15.0
Aroclor-1260	337.196	343.850		2.0	15.0
(2)	787.858	814.615		3.4	15.0
(3)	469.320	484.505		3.2	15.0
(4)	219.335	218.675		0.3	15.0
(5)	236.809	238.765		0.8	15.0
Tetrachloro-m-xylene	7688.738	8163.250		6.2	15.0
Decachlorobiphenyl	7575.322	7438.350		1.8	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_2 Calibration Date: 05/18/10 Time: 0509

Lab File ID: 17MAY102004-R1 Init. Calib. Date(s): 05/17/10 05/18/10

Init. Calib. Times: 2309 0034

GC Column: MR-2 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	106.466	111.050		4.3	15.0
(2)	173.849	178.725		2.8	15.0
(3)	336.357	353.345		5.0	15.0
(4)	158.003	164.140		3.9	15.0
(5)	125.587	130.765		4.1	15.0
Aroclor-1260	260.563	267.350		2.6	15.0
(2)	537.923	549.975		2.2	15.0
(3)	138.896	140.705		1.3	15.0
(4)	64.187	63.755		0.7	15.0
(5)	161.911	163.300		0.8	15.0
Tetrachloro-m-xylene	4947.655	5290.600		6.9	15.0
Decachlorobiphenyl	5522.722	5471.900		0.9	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

GC Column: MR-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/10 05/18/10

Instrument ID: 2624_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.39 DCB: 13.75

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	05/17/10	2040	5.39	13.75
02	AR1232 200	AR1232 200	05/17/10	2102	5.37	13.73
03	AR1242 200	AR1242 200	05/17/10	2123	5.38	13.73
04	AR1248 200	AR1248 200	05/17/10	2144	5.38	13.74
05	AR1254 200	AR1254 200	05/17/10	2205	5.38	13.74
06	AR1262 200	AR1262 200	05/17/10	2226	5.38	13.74
07	AR1268 200	AR1268 200	05/17/10	2248	5.38	13.73
08	AR1660 50	AR1660 50	05/17/10	2309	5.39	13.75
09	AR1660 100	AR1660 100	05/17/10	2330	5.38	13.74
10	AR1660 200	AR1660 200	05/17/10	2351	5.39	13.75
11	AR1660 400	AR1660 400	05/18/10	0012	5.38	13.74
12	AR1660 800	AR1660 800	05/18/10	0034	5.39	13.74
13	AR1660 ICV	AR1660 ICV	05/18/10	0116	5.39	13.75
14	MBLK051210D	MBLK051210D	05/18/10	0137	5.39	13.74
15	D051210LCS	D051210LCS	05/18/10	0158	5.39	13.75
16	TS10082	829810	05/18/10	0220	5.39	13.75
17	AR1660 200PP	AR1660 200PP	05/18/10	0509	5.40	13.75
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl	(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

GC Column: MR-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/10 05/18/10

Instrument ID: 2624_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.48 DCB: 13.89

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	05/17/10	2040	5.49	13.90
02	AR1232 200	AR1232 200	05/17/10	2102	5.47	13.89
03	AR1242 200	AR1242 200	05/17/10	2123	5.47	13.89
04	AR1248 200	AR1248 200	05/17/10	2144	5.47	13.89
05	AR1254 200	AR1254 200	05/17/10	2205	5.47	13.89
06	AR1262 200	AR1262 200	05/17/10	2226	5.48	13.89
07	AR1268 200	AR1268 200	05/17/10	2248	5.47	13.88
08	AR1660 50	AR1660 50	05/17/10	2309	5.49	13.90
09	AR1660 100	AR1660 100	05/17/10	2330	5.47	13.88
10	AR1660 200	AR1660 200	05/17/10	2351	5.48	13.89
11	AR1660 400	AR1660 400	05/18/10	0012	5.48	13.89
12	AR1660 800	AR1660 800	05/18/10	0034	5.48	13.89
13	AR1660 ICV	AR1660 ICV	05/18/10	0116	5.49	13.90
14	MBLK051210D	MBLK051210D	05/18/10	0137	5.47	13.89
15	D051210LCS	D051210LCS	05/18/10	0158	5.48	13.89
16	TS10082	829810	05/18/10	0220	5.48	13.89
17	AR1660 200PP	AR1660 200PP	05/18/10	0509	5.49	13.90
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl	(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.

D051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab Sample ID: D051210LCS Date(s) Analyzed: 05/18/10 05/18/10

Instrument ID (1): 2624_1 Instrument ID (2): 2624_2

GC Column(1): MR-1 ID: 0.53(mm) GC Column(2): MR-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	6.77	6.72	6.82	140		
Aroclor-1016	2	7.08	7.03	7.13	150		
	3	7.67	7.62	7.72	150		
COLUMN 1	4	8.33	8.28	8.38	140		
	5	8.54	8.49	8.59	150	150	
	1	6.36	6.31	6.41	150		
	2	6.99	6.94	7.04	150		
	3	7.78	7.74	7.84	160		
COLUMN 2	4	7.88	7.83	7.93	150		
	5	8.09	8.04	8.14	160	150	0.0
	1	11.42	11.37	11.47	140		
Aroclor-1260	2	12.15	12.10	12.20	150		
	3	12.49	12.44	12.54	150		
COLUMN 1	4	12.59	12.54	12.64	150		
	5	13.21	13.16	13.26	140	150	
	1	11.56	11.52	11.62	150		
	2	12.27	12.22	12.32	150		
	3	12.63	12.59	12.69	150		
COLUMN 2	4	13.14	13.09	13.19	160		
	5	13.33	13.28	13.38	150	150	0.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

Subcontract Data

ANALYTICAL REPORT

Job Number: 500-25500-1

Job Description: TAL Burlington Workshare - KAL545

For:
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Attention: Mr. Jim Madison

Approved for release.
Eric A. Lang
Project Manager II
5/21/2010 4:01 PM

Eric A. Lang
Project Manager II
eric.lang@testamericainc.com
05/21/2010

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Wisconsin - Gasoline Range Organics (GC)	TAL CHI	WI-GRO WI-GRO	
Closed System Purge and Trap	TAL CHI		SW846 5035
Organochlorine Pesticides (GC)	TAL CHI	SW846 8081A	
Automated Soxhlet Extraction	TAL CHI		SW846 3541
Wisconsin - Diesel Range Organics (GC)	TAL CHI	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)	TAL CHI		WI-DRO WI DRO PREP
Percent Moisture	TAL CHI	EPA Moisture	

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Method	Analyst	Analyst ID
WI-GRO WI-GRO	Estes, William R	WRE
SW846 8081A	Mroz, Krzysztof A	KAM
WI-DRO WI-DRO	Gibson, Patti	PG
EPA Moisture	Kolarczyk, Paul F	PFK

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-25500-1	TS10082	Solid	05/11/2010 1000	05/13/2010 1030

SAMPLE RESULTS

Mr. Jim Madison
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Job Number: 500-25500-1

Client Sample ID: TS10082
Lab Sample ID: 500-25500-1

Date Sampled: 05/11/2010 1000
Date Received: 05/13/2010 1030
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: WI-GRO			Date Analyzed:	05/15/2010 1542		
Prep Method: 5035			Date Prepared:	05/11/2010 0900		
WI Gasoline Range Organics (C5-C10)	<1800		ug/Kg	500	1800	50
Method: 8081A			Date Analyzed:	05/19/2010 1607		
Prep Method: 3541			Date Prepared:	05/18/2010 1649		
Aldrin	<1.9		ug/Kg	0.64	1.9	1.0
alpha-BHC	<1.9		ug/Kg	0.64	1.9	1.0
alpha-Chlordane	<1.9		ug/Kg	0.51	1.9	1.0
beta-BHC	<1.9		ug/Kg	1.0	1.9	1.0
4,4'-DDD	<1.9		ug/Kg	0.59	1.9	1.0
4,4'-DDE	<1.9		ug/Kg	0.37	1.9	1.0
4,4'-DDT	<1.9		ug/Kg	0.34	1.9	1.0
delta-BHC	<1.9		ug/Kg	0.83	1.9	1.0
Dieldrin	<1.9		ug/Kg	0.37	1.9	1.0
Endosulfan I	<1.9		ug/Kg	0.79	1.9	1.0
Endosulfan II	<1.9		ug/Kg	0.39	1.9	1.0
Endosulfan sulfate	<1.9		ug/Kg	0.18	1.9	1.0
Endrin	<1.9		ug/Kg	0.69	1.9	1.0
Endrin aldehyde	<1.9		ug/Kg	0.70	1.9	1.0
Endrin ketone	<1.9		ug/Kg	0.34	1.9	1.0
gamma-BHC (Lindane)	<1.9		ug/Kg	0.34	1.9	1.0
gamma-Chlordane	<1.9		ug/Kg	0.60	1.9	1.0
Heptachlor	<1.9		ug/Kg	0.26	1.9	1.0
Heptachlor epoxide	<1.9		ug/Kg	0.40	1.9	1.0
Methoxychlor	<9.3		ug/Kg	0.55	9.3	1.0
Toxaphene	<19		ug/Kg	3.4	19	1.0
Surrogate					Acceptance Limits	
DCB Decachlorobiphenyl	80		%		44 - 131	
Tetrachloro-m-xylene	67		%		44 - 120	
Method: WI-DRO			Date Analyzed:	05/19/2010 0108		
Prep Method: WI DRO PREP			Date Prepared:	05/14/2010 0700		
Diesel Range Organics [C10-C28]	140		mg/Kg	1.1	4.6	1.0
Surrogate					Acceptance Limits	
n-Nonane	8	X	%		44 - 148	
Method: WI-DRO			Date Analyzed:	05/21/2010 1304		
Prep Method: WI DRO PREP			Date Prepared:	05/19/2010 1419		
Diesel Range Organics [C10-C28]	30	H	mg/Kg	1.1	4.5	1.0

Mr. Jim Madison
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Job Number: 500-25500-1

Client Sample ID: TS10082
Lab Sample ID: 500-25500-1

Date Sampled: 05/11/2010 1000
Date Received: 05/13/2010 1030
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
n-Nonane	84	%		44 - 148	
Method: Moisture			Date Analyzed:	05/13/2010 1700	
Percent Moisture	13	%	0.10	0.10	1.0

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Lab Section	Qualifier	Description
GC Semi VOA		
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits

QUALITY CONTROL RESULTS

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 500-85662					
500-25500-1	TS10082	T	Solid	5035	
Analysis Batch:500-85780					
LCS 500-85780/3	Lab Control Sample	T	Solid	WI-GRO	
LCSD 500-85780/8	Lab Control Sample Duplicate	T	Solid	WI-GRO	
MB 500-85780/2	Method Blank	T	Solid	WI-GRO	
500-25500-1	TS10082	T	Solid	WI-GRO	500-85662

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 500-85674					
LCS 500-85674/2-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 500-85674/3-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 500-85674/1-A	Method Blank	T	Solid	WI DRO PREP	
500-25500-1	TS10082	T	Solid	WI DRO PREP	
Prep Batch: 500-85957					
LCS 500-85957/2-A	Lab Control Sample	T	Solid	3541	
LCSD 500-85957/3-A	Lab Control Sample Duplicate	T	Solid	3541	
MB 500-85957/1-A	Method Blank	T	Solid	3541	
500-25500-1	TS10082	T	Solid	3541	
Analysis Batch:500-86012					
LCS 500-85674/2-A	Lab Control Sample	T	Solid	WI-DRO	500-85674
LCSD 500-85674/3-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	500-85674
MB 500-85674/1-A	Method Blank	T	Solid	WI-DRO	500-85674
500-25500-1	TS10082	T	Solid	WI-DRO	500-85674
Prep Batch: 500-86037					
LCS 500-86037/2-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 500-86037/3-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 500-86037/1-A	Method Blank	T	Solid	WI DRO PREP	
500-25500-1	TS10082	T	Solid	WI DRO PREP	
Analysis Batch:500-86052					
LCS 500-85957/2-A	Lab Control Sample	T	Solid	8081A	500-85957
LCSD 500-85957/3-A	Lab Control Sample Duplicate	T	Solid	8081A	500-85957
MB 500-85957/1-A	Method Blank	T	Solid	8081A	500-85957
500-25500-1	TS10082	T	Solid	8081A	500-85957
Analysis Batch:500-86250					
LCS 500-86037/2-A	Lab Control Sample	T	Solid	WI-DRO	500-86037
LCSD 500-86037/3-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	500-86037
MB 500-86037/1-A	Method Blank	T	Solid	WI-DRO	500-86037
500-25500-1	TS10082	T	Solid	WI-DRO	500-86037

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:500-85651					
500-25500-1	TS10082	T	Solid	Moisture	

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB2 %Rec	TCX2 %Rec
500-25500-1	TS10082	80	67
MB 500-85957/1-A		82	57
LCS 500-85957/2-A		82	51
LCSD 500-85957/3-A		86	59

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	44-131
TCX = Tetrachloro-m-xylene	44-120

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Surrogate Recovery Report

WI-DRO Wisconsin - Diesel Range Organics (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	C9 %Rec
500-25500-1	TS10082	8X
500-25500-1	TS10082	84
MB 500-85674/1-A		84
MB 500-86037/1-A		93
LCS 500-85674/2-A		86
LCS 500-86037/2-A		91
LCSD 500-85674/3-A		82
LCSD 500-86037/3-A		87

Surrogate	Acceptance Limits
C9 = n-Nonane	44-148

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-85780

Method: WI-GRO
Preparation: N/A

Lab Sample ID: MB 500-85780/2
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/15/2010 1242
Date Prepared: N/A

Analysis Batch: 500-85780
Prep Batch: N/A
Units: ug/Kg

Instrument ID: INST11-12
Lab File ID: 05151011_010.d
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 5 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C5-C10)	<1500		430	1500

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-85780

Method: WI-GRO
Preparation: N/A

LCS Lab Sample ID: LCS 500-85780/3
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/15/2010 1318
Date Prepared: N/A

Analysis Batch: 500-85780
Prep Batch: N/A
Units: ug/Kg

Instrument ID: INST11-12
Lab File ID: 05151011_011.d
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 5 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 500-85780/8
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/15/2010 1618
Date Prepared: N/A

Analysis Batch: 500-85780
Prep Batch: N/A
Units: ug/Kg

Instrument ID: INST11-12
Lab File ID: 05151011_016.d
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 5 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C5-C10)	101	101	80 - 120	0	20		

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-85957

Method: 8081A
Preparation: 3541

Lab Sample ID: MB 500-85957/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 1508
Date Prepared: 05/18/2010 1649

Analysis Batch: 500-86052
Prep Batch: 500-85957
Units: ug/Kg

Instrument ID: INST15-16
Lab File ID: 05101016_173.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	<1.7		0.57	1.7
alpha-BHC	<1.7		0.57	1.7
alpha-Chlordane	<1.7		0.46	1.7
beta-BHC	<1.7		0.92	1.7
4,4'-DDD	<1.7		0.53	1.7
4,4'-DDE	<1.7		0.33	1.7
4,4'-DDT	<1.7		0.30	1.7
delta-BHC	<1.7		0.74	1.7
Dieldrin	<1.7		0.33	1.7
Endosulfan I	<1.7		0.71	1.7
Endosulfan II	<1.7		0.35	1.7
Endosulfan sulfate	<1.7		0.16	1.7
Endrin	<1.7		0.62	1.7
Endrin aldehyde	<1.7		0.63	1.7
Endrin ketone	<1.7		0.30	1.7
gamma-BHC (Lindane)	<1.7		0.30	1.7
gamma-Chlordane	<1.7		0.54	1.7
Heptachlor	<1.7		0.23	1.7
Heptachlor epoxide	<1.7		0.36	1.7
Methoxychlor	<8.3		0.49	8.3
Toxaphene	<17		3.0	17

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	44 - 131
Tetrachloro-m-xylene	57	44 - 120

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-85957

Method: 8081A
Preparation: 3541

LCS Lab Sample ID: LCS 500-85957/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 1527
Date Prepared: 05/18/2010 1649

Analysis Batch: 500-86052
Prep Batch: 500-85957
Units: ug/Kg

Instrument ID: INST15-16
Lab File ID: 05101016_174.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 500-85957/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 1547
Date Prepared: 05/18/2010 1649

Analysis Batch: 500-86052
Prep Batch: 500-85957
Units: ug/Kg

Instrument ID: INST15-16
Lab File ID: 05101016_175.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	60	59	42 - 107	2	30		
alpha-BHC	58	65	35 - 110	11	30		
alpha-Chlordane	74	77	55 - 113	3	30		
beta-BHC	76	79	37 - 136	4	30		
4,4'-DDD	79	85	56 - 131	8	30		
4,4'-DDE	77	80	55 - 117	4	30		
4,4'-DDT	84	89	55 - 124	6	30		
delta-BHC	77	79	46 - 141	3	30		
Dieldrin	76	78	58 - 117	3	30		
Endosulfan I	63	64	41 - 100	2	30		
Endosulfan II	70	75	48 - 106	7	30		
Endosulfan sulfate	75	76	60 - 124	1	30		
Endrin	91	95	59 - 131	4	30		
Endrin aldehyde	69	71	50 - 101	2	30		
Endrin ketone	80	86	54 - 122	7	30		
gamma-BHC (Lindane)	62	69	44 - 111	11	30		
gamma-Chlordane	73	76	55 - 112	4	30		
Heptachlor	63	69	40 - 115	9	30		
Heptachlor epoxide	72	73	53 - 113	2	30		
Methoxychlor	83	83	53 - 135	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	86	44 - 131
Tetrachloro-m-xylene	51	59	44 - 120

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-85674

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID: MB 500-85674/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/18/2010 2356
Date Prepared: 05/14/2010 0700

Analysis Batch: 500-86012
Prep Batch: 500-85674
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05181009_010.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	<4.0		0.96	4.0

Surrogate	% Rec	Acceptance Limits
n-Nonane	84	44 - 148

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-85674

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID: LCS 500-85674/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 0032
Date Prepared: 05/14/2010 0700

Analysis Batch: 500-86012
Prep Batch: 500-85674
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05181009_011.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

LCSD Lab Sample ID: LCSD 500-85674/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 0858
Date Prepared: 05/14/2010 0700

Analysis Batch: 500-86012
Prep Batch: 500-85674
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05181009_014.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	87	86	70 - 120	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
n-Nonane	86	82	44 - 148

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-86037

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID: MB 500-86037/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/21/2010 1116
Date Prepared: 05/19/2010 1419

Analysis Batch: 500-86250
Prep Batch: 500-86037
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05211009_003.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	<4.0		0.96	4.0

Surrogate	% Rec	Acceptance Limits
n-Nonane	93	44 - 148

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-86037

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID: LCS 500-86037/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/21/2010 1152
Date Prepared: 05/19/2010 1419

Analysis Batch: 500-86250
Prep Batch: 500-86037
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05211009_004.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

LCSD Lab Sample ID: LCSD 500-86037/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/21/2010 1340
Date Prepared: 05/19/2010 1419

Analysis Batch: 500-86250
Prep Batch: 500-86037
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05211009_007.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	95	83	70 - 120	13	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
n-Nonane	91	87	44 - 148

500-25500

Intercompany Chain of Custody

SDG/Job Reference	KAL545
PO Reference	KAL545
Project ID	BBLKAL
Project Name	Kalamazoo
Due Date	05/19/10

TestAmerica Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403

Tel: 802 660-1990 Fax: 802 660-1919

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Client Sample ID	TAL Burlington Sample ID	Matrix	Date Sampled	Time Sampled	WI GRO	WI DRO	Pesticides 8081A
TS10082	829810	SOIL	05/11/10	1000	X	X	X

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[illegible]	05/12/10	1700	[illegible]	5/13/10	1030

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Login Number: 25500
Creator: Lunt, Jeff T
List Number: 1

List Source: TestAmerica Chicago

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.1
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL547

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

June 14, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: 29000; SDG: KAL547

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 28th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/28/10 ETR No: 137493		
831313	TS10083	05/25/10	SOIL
831314	TS10084	05/25/10	SOIL
831315	TS10085	05/25/10	SOIL
831316	TS10086	05/25/10	SOIL
831317	TS10087	05/25/10	SOIL
831318	TS10088	05/25/10	SOIL
831319	TS10089	05/25/10	SOIL
831319DP	TS10089REP	05/25/10	SOIL
831319MS	TS10089MS	05/25/10	SOIL
831319MD	TS10089MSD	05/25/10	SOIL
831320	TS10090	05/25/10	SOIL
831321	TS10091	05/25/10	SOIL
831322	TS10092	05/25/10	SOIL
831323	TS10093	05/25/10	SOIL
831324	TS10094	05/25/10	SOIL
831325	TS10095	05/25/10	SOIL
831326	TS10096	05/25/10	SOIL
831327	TS10097	05/25/10	SOIL
831328	TS10098	05/25/10	SOIL
831329	TS10099	05/25/10	SOIL
831330	TS10100	05/25/10	SOIL
831331	TS10101	05/25/10	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

No exceptions to quality control criteria were noted during the analyses of the samples in this delivery group.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID:

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	Fax:
30 W Monroe St	312-332-4434
City State Zip	E-mail Address:
Chicago IL, 60603	[illegible]
Project Name/Location (City, State):	Project #:
Plainwell Dam No. 2 Area TCRA Mi	B0064536.0000.00002
Sampler's Printed Name:	Sampler's Signature:
Michael Kohagen	

Preservative	E												
Filtered (✓)													
# of Containers	1												
Container Information	1												

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		PCB's								REMARKS
TS10083	5/25/10	1500	x		So		X								
TS10084	5/25/10	1510		X	So		X								
TS10085	5/25/10	1513		X	So		X								
TS10086	5/25/10	1517		X	So		X								
TS10087	5/25/10	1520		X	So		X								
TS10088	5/25/10	------		X	So		X								
TS10089	5/25/10	1525		X	So		X								MS/MSD
TS10090	5/25/10	1529		X	So		X								
TS10091	5/25/10	1533		X	So		X								
TS10092	5/25/10	1537		X	So		X								
TS10093	5/25/10	1541		X	So		X								
TS10094	5/25/10	1547		X	So		X								
TS10095	5/25/10	1550		X	So		X								
TS10096	5/25/10	1552		X	So		X								
TS10097	5/25/10	1556		X	So		X								
TS10098	5/25/10	1601		X	So		X								
TS10099	5/25/10	1605		X	So		X								
TS10100	5/25/10	1609		X	So		X								
TS10101	5/25/10	1617		X	So		X								

KEYS

Preservation Key :

A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:

1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:

SE = Sediment A = Air SL = Sludge
SO = Soil NL = NAPL / Oil SW = Surface

Special Instructions/Comments:

☐ **Special QA/QC Instructions (✓)**

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Chris Kolb
☑ Cooler packed with ice (✓)	X Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt: CK	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #:	Condition/Cooler Temp: 1.4	Date/Time:	Date/Time:	Date/Time: 5/28/10 1010

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Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10083

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831313

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.8	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10084

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831314

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.7	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10085

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831315

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.5	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10086

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831316

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.7	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10087

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831317

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.6	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10088

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831318

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.8	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10089

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831319

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.2	

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WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.

TS10089REP

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831319DP

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD[1]
IN623	Solids, Percent	06/01/10		%	99.2		98.7		0.5

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10090

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831320

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.4	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10091

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831321

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.4	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10092

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831322

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.6	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10093

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831323

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.7	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10094

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831324

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.1	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10095

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831325

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.2	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10096

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831326

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.3	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10097

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831327

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.1	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10098

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831328

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.9	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10099

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831329

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.2	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10100

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831330

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.2	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10101

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831331

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.0	

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8082 PCBS

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OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10083

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831313

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 08JUN101320-R061

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10084

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831314

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R071

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10085

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831315

Sample wt/vol: 29.3 (g/mL) G Lab File ID: 08JUN101320-R081

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

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OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10086

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831316

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 08JUN101320-R091

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10087

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831317

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 08JUN101320-R101

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10088

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831318

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R111

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10089

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831319

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R121

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10090

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831320

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R161

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10091

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831321

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 08JUN101320-R171

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	17	U
11104-28-2------	Aroclor-1221	17	U
11141-16-5------	Aroclor-1232	17	U
53469-21-9------	Aroclor-1242	17	U
12672-29-6------	Aroclor-1248	17	U
11097-69-1------	Aroclor-1254	17	U
11096-82-5------	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10092

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831322

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 08JUN101320-R181

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10093

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831323

Sample wt/vol: 29.3 (g/mL) G Lab File ID: 08JUN101320-R191

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10094

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831324

Sample wt/vol: 29.8 (g/mL) G Lab File ID: 08JUN101320-R201

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10095

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831325

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 08JUN101320-R211

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10096

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831326

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 08JUN101320-R221

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10097

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831327

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 08JUN101320-R231

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10098

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831328

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R241

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10099

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831329

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R261

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10100

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831330

Sample wt/vol: 29.8 (g/mL) G Lab File ID: 08JUN101320-R271

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10101

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831331

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 08JUN101320-R281

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK052810C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: MBLK052810C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 08JUN101320-R041

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10089MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831319MS

Sample wt/vol: 29.3 (g/mL) G Lab File ID: 08JUN101320-R131

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	160	
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	86	U
11096-82-5	Aroclor-1260	170	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10089MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831319MD

Sample wt/vol: 29.5 (g/mL) G Lab File ID: 08JUN101320-R151

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	180	
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	86	U
11096-82-5	Aroclor-1260	190	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

C052810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: C052810LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 08JUN101320-R051

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	150	
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	160	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column(1): RTX-5 ID: 0.25 (mm) GC Column(2): RTX-35 ID: 0.25 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK052810C	98	98	98	90			0
02	C052810LCS	82	82	90	90			0
03	TS10083	95	95	95	88			0
04	TS10084	94	86	94	79			0
05	TS10085	93	86	86	79			0
06	TS10086	88	80	80	80			0
07	TS10087	93	86	86	86			0
08	TS10088	101	86	86	86			0
09	TS10089	95	87	87	80			0
10	TS10089MS	80	87	80	80			0
11	TS10089MSD	88	95	88	95			0
12	TS10090	101	94	94	86			0
13	TS10091	100	93	86	86			0
14	TS10092	104	89	89	82			0
15	TS10093	102	94	94	87			0
16	TS10094	103	96	96	81			0
17	TS10095	97	89	89	82			0
18	TS10096	96	89	89	81			0
19	TS10097	101	86	94	86			0
20	TS10098	95	87	95	87			0
21	TS10099	101	86	94	86			0
22	TS10100	102	88	88	80			0
23	TS10101	115	101	101	94			0
24								
25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-130)
S2 (DCB) = Decachlorobiphenyl (45-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix Spike - BBLKAL Sample No.: TS10089

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	170	0.0	160	94	55-120
Aroclor-1260	170	0.0	170	100	55-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	170	180	106	12	30	55-120
Aroclor-1260	170	190	112	11	30	55-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix Spike - Sample No.: C052810LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	170		150	88	55-120
Aroclor-1260	170		160	94	55-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK052810C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: MBLK052810C Lab File ID: 08JUN101320-R041

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 05/28/10

Date Analyzed (1): 06/08/10 Date Analyzed (2): 06/08/10

Time Analyzed (1): 1437 Time Analyzed (2): 1437

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	C052810LCS	C052810LCS	06/08/10	06/08/10
02	TS10083	831313	06/08/10	06/08/10
03	TS10084	831314	06/08/10	06/08/10
04	TS10085	831315	06/08/10	06/08/10
05	TS10086	831316	06/08/10	06/08/10
06	TS10087	831317	06/08/10	06/08/10
07	TS10088	831318	06/08/10	06/08/10
08	TS10089	831319	06/08/10	06/08/10
09	TS10089MS	831319MS	06/08/10	06/08/10
10	TS10089MSD	831319MD	06/08/10	06/08/10
11	TS10090	831320	06/08/10	06/08/10
12	TS10091	831321	06/08/10	06/08/10
13	TS10092	831322	06/08/10	06/08/10
14	TS10093	831323	06/08/10	06/08/10
15	TS10094	831324	06/08/10	06/08/10
16	TS10095	831325	06/08/10	06/08/10
17	TS10096	831326	06/08/10	06/08/10
18	TS10097	831327	06/08/10	06/08/10
19	TS10098	831328	06/08/10	06/08/10
20	TS10099	831329	06/08/10	06/08/10
21	TS10100	831330	06/08/10	06/08/10
22	TS10101	831331	06/09/10	06/09/10
23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	119.520	109.080	107.655	102.992	103.305
(2)	122.440	115.440	113.295	109.265	108.444
(3)	142.540	134.410	135.350	128.870	130.750
(4)	98.140	92.410	91.265	86.198	84.685
(5)	106.760	99.900	97.995	92.605	93.778
Aroclor-1221			40.050		
(2)			29.575		
(3)			99.755		
(4)			19.470		
(5)			15.345		
Aroclor-1232			84.915		
(2)			48.640		
(3)			51.685		
(4)			110.110		
(5)			60.375		
Aroclor-1242			89.800		
(2)			92.230		
(3)			206.115		
(4)			108.095		
(5)			75.520		
Aroclor-1248			49.440		
(2)			41.610		
(3)			122.150		
(4)			54.210		
(5)			58.370		
Aroclor-1254			70.015		
(2)			61.525		
(3)			131.355		
(4)			44.250		
(5)			159.155		
Aroclor-1260	135.980	128.000	123.580	118.005	120.710
(2)	142.020	131.870	130.870	126.958	126.895
(3)	293.660	292.160	294.380	291.912	302.559
(4)	139.400	133.190	130.480	129.358	129.981
(5)	91.780	87.420	85.775	81.878	80.695
Aroclor-1262			77.170		
(2)			151.760		
(3)			67.645		
(4)			328.565		
(5)			98.370		
Aroclor-1268			415.615		
(2)			408.950		
(3)			454.560		
(4)			110.390		

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/1(

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
(5)			2013.935		
Tetrachloro-m-xylene	3773.800	3655.300	3630.850	3715.675	3899.875
Decachlorobiphenyl	5330.200	5212.500	5329.100	5280.375	5525.362

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/1(

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	108.510500	6.179	20.000	
(2)	AVRG	113.776750	4.949	20.000	
(3)	AVRG	134.384000	3.921	20.000	
(4)	AVRG	90.5395000	5.920	20.000	
(5)	AVRG	98.2075000	5.739	20.000	
Aroclor-1221	AVRG	40.0500000	0.000	20.000	<-
(2)	AVRG	29.5750000	0.000	20.000	<-
(3)	AVRG	99.7550000	0.000	20.000	<-
(4)	AVRG	19.4700000	0.000	20.000	<-
(5)	AVRG	15.3450000	0.000	20.000	<-
Aroclor-1232	AVRG	84.9150000	0.000	20.000	<-
(2)	AVRG	48.6400000	0.000	20.000	<-
(3)	AVRG	51.6850000	0.000	20.000	<-
(4)	AVRG	110.110000	0.000	20.000	<-
(5)	AVRG	60.3750000	0.000	20.000	<-
Aroclor-1242	AVRG	89.8000000	0.000	20.000	<-
(2)	AVRG	92.2300000	0.000	20.000	<-
(3)	AVRG	206.115000	0.000	20.000	<-
(4)	AVRG	108.095000	0.000	20.000	<-
(5)	AVRG	75.5200000	0.000	20.000	<-
Aroclor-1248	AVRG	49.4400000	0.000	20.000	<-
(2)	AVRG	41.6100000	0.000	20.000	<-
(3)	AVRG	122.150000	0.000	20.000	<-
(4)	AVRG	54.2100000	0.000	20.000	<-
(5)	AVRG	58.3700000	0.000	20.000	<-
Aroclor-1254	AVRG	70.0150000	0.000	20.000	<-
(2)	AVRG	61.5250000	0.000	20.000	<-
(3)	AVRG	131.355000	0.000	20.000	<-
(4)	AVRG	44.2500000	0.000	20.000	<-
(5)	AVRG	159.155000	0.000	20.000	<-
Aroclor-1260	AVRG	125.255000	5.625	20.000	
(2)	AVRG	131.722500	4.692	20.000	
(3)	AVRG	294.934250	1.486	20.000	
(4)	AVRG	132.481750	3.121	20.000	
(5)	AVRG	85.5095000	5.211	20.000	
Aroclor-1262	AVRG	77.1700000	0.000	20.000	<-
(2)	AVRG	151.760000	0.000	20.000	<-
(3)	AVRG	67.6450000	0.000	20.000	<-
(4)	AVRG	328.565000	0.000	20.000	<-
(5)	AVRG	98.3700000	0.000	20.000	<-
Aroclor-1268	AVRG	415.615000	0.000	20.000	<-
(2)	AVRG	408.950000	0.000	20.000	<-
(3)	AVRG	454.560000	0.000	20.000	<-
(4)	AVRG	110.390000	0.000	20.000	<-

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
(5)	AVRG	2013.93500	0.000	20.000	<-
Tetrachloro-m-xylene	AVRG	3735.10000	2.879	20.000	
Decachlorobiphenyl	AVRG	5335.50750	2.183	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	132.360	120.950	113.095	99.790	93.068
(2)	213.180	189.560	175.480	158.832	146.760
(3)	318.440	283.440	273.285	247.118	239.248
(4)	158.480	140.540	133.735	118.188	110.946
(5)	128.640	118.540	113.115	99.015	92.694
Aroclor-1221			68.945		
(2)			49.820		
(3)			139.780		
(4)			26.650		
(5)			32.315		
Aroclor-1232			126.135		
(2)			91.800		
(3)			129.035		
(4)			63.620		
(5)			51.895		
Aroclor-1242			148.275		
(2)			69.405		
(3)			229.905		
(4)			110.865		
(5)			92.335		
Aroclor-1248			77.500		
(2)			142.225		
(3)			56.970		
(4)			47.250		
(5)			56.735		
Aroclor-1254			87.800		
(2)			64.895		
(3)			74.705		
(4)			52.880		
(5)			179.385		
Aroclor-1260	211.060	186.150	170.510	154.985	146.346
(2)	617.840	575.670	531.275	527.132	539.788
(3)	225.540	210.830	195.265	175.820	168.861
(4)	108.040	98.790	93.665	83.335	78.480
(5)	247.300	220.470	203.920	192.352	183.846
Aroclor-1262			153.265		
(2)			76.990		
(3)			99.650		
(4)			116.035		
(5)			600.240		
Aroclor-1268			805.825		
(2)			669.725		
(3)			662.570		
(4)			189.120		

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
(5)			2527.325		
Tetrachloro-m-xylene	6348.000	5768.500	5587.350	5477.050	5647.025
Decachlorobiphenyl	7186.000	6750.200	6523.900	6300.600	6591.775

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	111.852500	14.159	20.000	
(2)	AVRG	176.762500	14.734	20.000	
(3)	AVRG	272.306000	11.585	20.000	
(4)	AVRG	132.377750	14.185	20.000	
(5)	AVRG	110.400750	13.200	20.000	
Aroclor-1221	AVRG	68.9450000	0.000	20.000	<-
(2)	AVRG	49.8200000	0.000	20.000	<-
(3)	AVRG	139.780000	0.000	20.000	<-
(4)	AVRG	26.6500000	0.000	20.000	<-
(5)	AVRG	32.3150000	0.000	20.000	<-
Aroclor-1232	AVRG	126.135000	0.000	20.000	<-
(2)	AVRG	91.8000000	0.000	20.000	<-
(3)	AVRG	129.035000	0.000	20.000	<-
(4)	AVRG	63.6200000	0.000	20.000	<-
(5)	AVRG	51.8950000	0.000	20.000	<-
Aroclor-1242	AVRG	148.275000	0.000	20.000	<-
(2)	AVRG	69.4050000	0.000	20.000	<-
(3)	AVRG	229.905000	0.000	20.000	<-
(4)	AVRG	110.865000	0.000	20.000	<-
(5)	AVRG	92.3350000	0.000	20.000	<-
Aroclor-1248	AVRG	77.5000000	0.000	20.000	<-
(2)	AVRG	142.225000	0.000	20.000	<-
(3)	AVRG	56.9700000	0.000	20.000	<-
(4)	AVRG	47.2500000	0.000	20.000	<-
(5)	AVRG	56.7350000	0.000	20.000	<-
Aroclor-1254	AVRG	87.8000000	0.000	20.000	<-
(2)	AVRG	64.8950000	0.000	20.000	<-
(3)	AVRG	74.7050000	0.000	20.000	<-
(4)	AVRG	52.8800000	0.000	20.000	<-
(5)	AVRG	179.385000	0.000	20.000	<-
Aroclor-1260	AVRG	173.810250	14.835	20.000	
(2)	AVRG	558.341000	6.873	20.000	
(3)	AVRG	195.263250	12.103	20.000	
(4)	AVRG	92.4620000	12.830	20.000	
(5)	AVRG	209.577750	12.006	20.000	
Aroclor-1262	AVRG	153.265000	0.000	20.000	<-
(2)	AVRG	76.9900000	0.000	20.000	<-
(3)	AVRG	99.6500000	0.000	20.000	<-
(4)	AVRG	116.035000	0.000	20.000	<-
(5)	AVRG	600.240000	0.000	20.000	<-
Aroclor-1268	AVRG	805.825000	0.000	20.000	<-
(2)	AVRG	669.725000	0.000	20.000	<-
(3)	AVRG	662.570000	0.000	20.000	<-
(4)	AVRG	189.120000	0.000	20.000	<-

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/1C

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
(5)	AVRG	2527.32500	0.000	20.000	<-
Tetrachloro-m-xylene	AVRG	5765.58500	5.934	20.000	
Decachlorobiphenyl	AVRG	6670.49500	4.953	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/08/10 Time: 1413

Lab File ID: 08JUN101320-R0 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	103.985		4.2	15.0
(2)	113.777	106.120		6.7	15.0
(3)	134.384	123.500		8.1	15.0
(4)	90.540	85.535		5.5	15.0
(5)	98.208	89.200		9.2	15.0
Aroclor-1260	125.255	116.060		7.3	15.0
(2)	131.723	121.595		7.7	15.0
(3)	294.934	267.175		9.4	15.0
(4)	132.482	118.005		10.9	15.0
(5)	85.510	78.650		8.0	15.0
Tetrachloro-m-xylene	3735.100	3400.550		9.0	15.0
Decachlorobiphenyl	5335.507	4786.450		10.3	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/08/10 Time: 1840

Lab File ID: 08JUN101320-R1 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	104.410		3.8	15.0
(2)	113.777	108.065		5.0	15.0
(3)	134.384	125.305		6.8	15.0
(4)	90.540	86.585		4.4	15.0
(5)	98.208	93.520		4.8	15.0
Aroclor-1260	125.255	122.955		1.8	15.0
(2)	131.723	130.625		0.8	15.0
(3)	294.934	288.835		2.1	15.0
(4)	132.482	136.125		2.7	15.0
(5)	85.510	84.315		1.4	15.0
Tetrachloro-m-xylene	3735.100	3664.200		1.9	15.0
Decachlorobiphenyl	5335.507	5079.100		4.8	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/08/10 Time: 2306

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	105.775		2.5	15.0
(2)	113.777	109.005		4.2	15.0
(3)	134.384	127.165		5.4	15.0
(4)	90.540	86.970		3.9	15.0
(5)	98.208	93.220		5.1	15.0
Aroclor-1260	125.255	129.590		3.5	15.0
(2)	131.723	135.545		2.9	15.0
(3)	294.934	304.835		3.4	15.0
(4)	132.482	141.195		6.6	15.0
(5)	85.510	87.445		2.3	15.0
Tetrachloro-m-xylene	3735.100	3815.750		2.2	15.0
Decachlorobiphenyl	5335.507	5246.450		1.7	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/09/10 Time: 0043

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	105.245		3.0	15.0
(2)	113.777	110.330		3.0	15.0
(3)	134.384	128.645		4.3	15.0
(4)	90.540	89.800		0.8	15.0
(5)	98.208	97.645		0.6	15.0
Aroclor-1260	125.255	130.325		4.0	15.0
(2)	131.723	141.520		7.4	15.0
(3)	294.934	317.150		7.5	15.0
(4)	132.482	140.170		5.8	15.0
(5)	85.510	88.740		3.8	15.0
Tetrachloro-m-xylene	3735.100	3786.850		1.4	15.0
Decachlorobiphenyl	5335.507	5476.150		2.6	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/08/10 Time: 1413

Lab File ID: 08JUN101320-R0 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	106.290		5.0	15.0
(2)	176.762	166.755		5.7	15.0
(3)	272.306	252.515		7.3	15.0
(4)	132.378	125.325		5.3	15.0
(5)	110.401	103.320		6.4	15.0
Aroclor-1260	173.810	158.145		9.0	15.0
(2)	558.341	512.060		8.3	15.0
(3)	195.263	175.960		9.9	15.0
(4)	92.462	86.310		6.6	15.0
(5)	209.578	188.995		9.8	15.0
Tetrachloro-m-xylene	5765.585	5407.650		6.2	15.0
Decachlorobiphenyl	6670.495	5850.950		12.3	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/08/10 Time: 1840

Lab File ID: 08JUN101320-R1 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	105.320		5.8	15.0
(2)	176.762	163.680		7.4	15.0
(3)	272.306	254.535		6.5	15.0
(4)	132.378	124.650		5.8	15.0
(5)	110.401	103.320		6.4	15.0
Aroclor-1260	173.810	168.605		3.0	15.0
(2)	558.341	536.085		4.0	15.0
(3)	195.263	194.065		0.6	15.0
(4)	92.462	93.230		0.8	15.0
(5)	209.578	204.590		2.4	15.0
Tetrachloro-m-xylene	5765.585	5424.300		5.9	15.0
Decachlorobiphenyl	6670.495	6275.650		5.9	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/08/10 Time: 2306

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	106.210		5.0	15.0
(2)	176.762	163.525		7.5	15.0
(3)	272.306	253.295		7.0	15.0
(4)	132.378	125.890		4.9	15.0
(5)	110.401	102.540		7.1	15.0
Aroclor-1260	173.810	172.945		0.5	15.0
(2)	558.341	563.030		0.8	15.0
(3)	195.263	200.190		2.5	15.0
(4)	92.462	93.655		1.3	15.0
(5)	209.578	205.025		2.2	15.0
Tetrachloro-m-xylene	5765.585	5562.150		3.5	15.0
Decachlorobiphenyl	6670.495	6205.650		7.0	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/09/10 Time: 0043

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	108.570		2.9	15.0
(2)	176.762	166.520		5.8	15.0
(3)	272.306	259.690		4.6	15.0
(4)	132.378	128.060		3.3	15.0
(5)	110.401	107.015		3.1	15.0
Aroclor-1260	173.810	177.970		2.4	15.0
(2)	558.341	579.045		3.7	15.0
(3)	195.263	196.795		0.8	15.0
(4)	92.462	96.145		4.0	15.0
(5)	209.578	211.005		0.7	15.0
Tetrachloro-m-xylene	5765.585	5436.550		5.7	15.0
Decachlorobiphenyl	6670.495	6377.700		4.4	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.14 DCB: 13.17

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	06/07/10	1859	3.15	13.18
02	AR1232 200	AR1232 200	06/07/10	1924	3.15	13.18
03	AR1242 200	AR1242 200	06/07/10	1948	3.15	13.18
04	AR1248 200	AR1248 200	06/07/10	2012	3.15	13.18
05	AR1254 200	AR1254 200	06/07/10	2036	3.15	13.18
06	AR1262 200	AR1262 200	06/07/10	2101	3.15	13.19
07	AR1268 200	AR1268 200	06/07/10	2125	3.15	13.18
08	AR1660 50	AR1660 50	06/07/10	2149	3.15	13.18
09	AR1660 100	AR1660 100	06/07/10	2213	3.13	13.17
10	AR1660 200	AR1660 200	06/07/10	2237	3.14	13.17
11	AR1660 400	AR1660 400	06/07/10	2302	3.14	13.17
12	AR1660 800	AR1660 800	06/07/10	2326	3.14	13.18
13	AR1660 ICV	AR1660 ICV	06/08/10	0014	3.14	13.18
14	AR1660 200PP	AR1660 200PP	06/08/10	1413	3.14	13.17
15	MBLK052810C	MBLK052810C	06/08/10	1437	3.14	13.17
16	C052810LCS	C052810LCS	06/08/10	1502	3.14	13.17
17	TS10083	831313	06/08/10	1526	3.14	13.17
18	TS10084	831314	06/08/10	1550	3.14	13.17
19	TS10085	831315	06/08/10	1614	3.15	13.18
20	TS10086	831316	06/08/10	1639	3.15	13.18
21	TS10087	831317	06/08/10	1703	3.15	13.18
22	TS10088	831318	06/08/10	1727	3.15	13.18
23	TS10089	831319	06/08/10	1751	3.13	13.16
24	TS10089MS	831319MS	06/08/10	1816	3.13	13.16
25	AR1660 200PP	AR1660 200PP	06/08/10	1840	3.14	13.17
26	TS10089MSD	831319MD	06/08/10	1904	3.14	13.17
27	TS10090	831320	06/08/10	1928	3.13	13.16
28	TS10091	831321	06/08/10	1952	3.14	13.17
29	TS10092	831322	06/08/10	2016	3.14	13.17
30	TS10093	831323	06/08/10	2041	3.14	13.17
31	TS10094	831324	06/08/10	2105	3.14	13.17
32	TS10095	831325	06/08/10	2129	3.13	13.16

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.14 DCB: 13.17

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	TS10096	831326	06/08/10	2153	3.14	13.17
02	TS10097	831327	06/08/10	2218	3.14	13.17
03	TS10098	831328	06/08/10	2242	3.14	13.17
04	AR1660 200PP	AR1660 200PP	06/08/10	2306	3.15	13.18
05	TS10099	831329	06/08/10	2330	3.14	13.17
06	TS10100	831330	06/08/10	2354	3.15	13.18
07	TS10101	831331	06/09/10	0019	3.13	13.16
08	AR1660 200PP	AR1660 200PP	06/09/10	0043	3.13	13.16
09						
10						
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12						
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30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.76 DCB: 14.45

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	06/07/10	1859	3.78	14.47
02	AR1232 200	AR1232 200	06/07/10	1924	3.77	14.46
03	AR1242 200	AR1242 200	06/07/10	1948	3.78	14.47
04	AR1248 200	AR1248 200	06/07/10	2012	3.79	14.47
05	AR1254 200	AR1254 200	06/07/10	2036	3.78	14.47
06	AR1262 200	AR1262 200	06/07/10	2101	3.78	14.47
07	AR1268 200	AR1268 200	06/07/10	2125	3.79	14.48
08	AR1660 50	AR1660 50	06/07/10	2149	3.79	14.47
09	AR1660 100	AR1660 100	06/07/10	2213	3.77	14.46
10	AR1660 200	AR1660 200	06/07/10	2237	3.76	14.45
11	AR1660 400	AR1660 400	06/07/10	2302	3.77	14.46
12	AR1660 800	AR1660 800	06/07/10	2326	3.77	14.46
13	AR1660 ICV	AR1660 ICV	06/08/10	0014	3.77	14.46
14	AR1660 200PP	AR1660 200PP	06/08/10	1413	3.77	14.46
15	MBLK052810C	MBLK052810C	06/08/10	1437	3.78	14.47
16	C052810LCS	C052810LCS	06/08/10	1502	3.78	14.47
17	TS10083	831313	06/08/10	1526	3.78	14.47
18	TS10084	831314	06/08/10	1550	3.79	14.47
19	TS10085	831315	06/08/10	1614	3.78	14.46
20	TS10086	831316	06/08/10	1639	3.78	14.46
21	TS10087	831317	06/08/10	1703	3.77	14.46
22	TS10088	831318	06/08/10	1727	3.78	14.46
23	TS10089	831319	06/08/10	1751	3.77	14.46
24	TS10089MS	831319MS	06/08/10	1816	3.77	14.45
25	AR1660 200PP	AR1660 200PP	06/08/10	1840	3.77	14.46
26	TS10089MSD	831319MD	06/08/10	1904	3.77	14.46
27	TS10090	831320	06/08/10	1928	3.78	14.46
28	TS10091	831321	06/08/10	1952	3.77	14.46
29	TS10092	831322	06/08/10	2016	3.78	14.46
30	TS10093	831323	06/08/10	2041	3.77	14.46
31	TS10094	831324	06/08/10	2105	3.78	14.47
32	TS10095	831325	06/08/10	2129	3.78	14.47

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.76 DCB: 14.45

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	TS10096	831326	06/08/10	2153	3.78	14.47
02	TS10097	831327	06/08/10	2218	3.78	14.46
03	TS10098	831328	06/08/10	2242	3.77	14.46
04	AR1660 200PP	AR1660 200PP	06/08/10	2306	3.78	14.46
05	TS10099	831329	06/08/10	2330	3.78	14.47
06	TS10100	831330	06/08/10	2354	3.78	14.46
07	TS10101	831331	06/09/10	0019	3.76	14.45
08	AR1660 200PP	AR1660 200PP	06/09/10	0043	3.77	14.45
09						
10						
11						
12						
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25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10089MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: 831319MS Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column(1): RTX-5 ID: 0.25(mm) GC Column(2): RTX-35 ID: 0.25(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	3.96	3.92	4.02	160		
Aroclor-1016	2	4.15	4.11	4.21	160		
	3	4.57	4.52	4.62	150		
COLUMN 1	4	5.15	5.10	5.20	160		
	5	5.32	5.27	5.37	160	160	
	1	4.48	4.43	4.53	180		
	2	5.08	5.03	5.13	160		
	3	5.73	5.68	5.78	160		
COLUMN 2	4	5.97	5.92	6.02	160		
	5	6.19	6.14	6.24	160	160	0.0
	1	8.84	8.80	8.90	160		
Aroclor-1260	2	9.39	9.35	9.45	160		
	3	10.10	10.06	10.16	160		
COLUMN 1	4	10.84	10.80	10.90	170		
	5	11.22	11.18	11.28	170	170	
	1	11.39	11.35	11.45	170		
	2	12.40	12.36	12.46	170		
	3	12.97	12.92	13.02	170		
COLUMN 2	4	13.60	13.55	13.65	170		
	5	13.72	13.67	13.77	170	170	0.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10089MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: 831319MD Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column(1): RTX-5 ID: 0.25(mm) GC Column(2): RTX-35 ID: 0.25(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	3.97	3.92	4.02	180		
Aroclor-1016	2	4.16	4.11	4.21	170		
	3	4.57	4.52	4.62	170		
COLUMN 1	4	5.15	5.10	5.20	180		
	5	5.32	5.27	5.37	180	180	
	1	4.49	4.43	4.53	200		
	2	5.09	5.03	5.13	180		
	3	5.74	5.68	5.78	180		
COLUMN 2	4	5.98	5.92	6.02	180		
	5	6.20	6.14	6.24	180	180	0.0
	1	8.84	8.80	8.90	190		
Aroclor-1260	2	9.39	9.35	9.45	180		
	3	10.10	10.06	10.16	180		
COLUMN 1	4	10.84	10.80	10.90	190		
	5	11.23	11.18	11.28	190	180	
	1	11.40	11.35	11.45	190		
	2	12.41	12.36	12.46	190		
	3	12.98	12.92	13.02	200		
COLUMN 2	4	13.61	13.55	13.65	190		
	5	13.73	13.67	13.77	190	190	5.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.

C052810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: C052810LCS Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column(1): RTX-5 ID: 0.25(mm) GC Column(2): RTX-35 ID: 0.25(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	3.97	3.92	4.02	150		
Aroclor-1016	2	4.16	4.11	4.21	150		
	3	4.58	4.52	4.62	150		
COLUMN 1	4	5.16	5.10	5.20	150		
	5	5.33	5.27	5.37	150	150	
	1	4.50	4.43	4.53	140		
	2	5.10	5.03	5.13	140		
	3	5.75	5.68	5.78	140		
COLUMN 2	4	5.99	5.92	6.02	140		
	5	6.20	6.14	6.24	140	140	6.9
	1	8.85	8.80	8.90	160		
Aroclor-1260	2	9.40	9.35	9.45	160		
	3	10.11	10.06	10.16	160		
COLUMN 1	4	10.85	10.80	10.90	160		
	5	11.23	11.18	11.28	150	160	
	1	11.41	11.35	11.45	140		
	2	12.42	12.36	12.46	150		
	3	12.99	12.92	13.02	150		
COLUMN 2	4	13.62	13.55	13.65	140		
	5	13.74	13.67	13.77	150	150	6.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

ANALYTICAL REPORT

Job Number: 200-978-1

SDG Number: KAL570

Job Description: Kalamazoo

For:
ARCADIS
6723 Towpath Road
PO BOX 66
Syracuse, NY 13214

Attention: Mr. Dennis Capria

Approved for release.
James W Madison
Project Manager I
08/20/10 11:22 AM

James W Madison
Project Manager I
jim.madison@testamericainc.com
08/20/2010

cc: Eric Hritsuk

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Analysis Batch Number: 4772

Lab Sample ID: IC 200-4772/2 Client Sample ID:

Date Analyzed: 08/03/10 13:40 Lab File ID: 03aug101137-r051.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 4	4.76	Baseline event	lmt	08/05/10 08:22
PCB-1232 Peak 5	4.88	Baseline event	lmt	08/05/10 08:22

Lab Sample ID: IC 200-4772/5 Client Sample ID:

Date Analyzed: 08/03/10 15:09 Lab File ID: 03aug101137-r081.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.09	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 2	7.30	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 3	7.61	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 4	7.88	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 5	8.42	Baseline event	lmt	08/05/10 09:00

Lab Sample ID: IC 200-4772/8 Client Sample ID:

Date Analyzed: 08/03/10 16:37 Lab File ID: 03aug101137-r111.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	4.22	Baseline event	lmt	08/05/10 08:26
PCB-1016 Peak 3	4.76	Baseline event	lmt	08/05/10 08:26
PCB-1016 Peak 4	4.89	Baseline event	lmt	08/05/10 08:26
PCB-1016 Peak 5	4.99	Baseline event	lmt	08/05/10 08:26
PCB-1260 Peak 1	9.52	Baseline event	lmt	08/05/10 08:25
PCB-1260 Peak 2	10.11	Baseline event	lmt	08/05/10 08:25
PCB-1260 Peak 3	10.85	Baseline event	lmt	08/05/10 08:25

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Analysis Batch Number: 4772

Lab Sample ID: IC 200-4772/8 Client Sample ID:

Date Analyzed: 08/03/10 16:37 Lab File ID: 03aug101137-r111.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	10.18	Baseline event	lmt	08/05/10 09:01

Lab Sample ID: IC 200-4772/9 Client Sample ID:

Date Analyzed: 08/03/10 17:06 Lab File ID: 03aug101137-r121.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	9.53	Baseline event	lmt	08/05/10 08:27
PCB-1260 Peak 2	10.11	Baseline event	lmt	08/05/10 08:27
PCB-1260 Peak 3	10.85	Baseline event	lmt	08/05/10 08:27

Lab Sample ID: ICRT 200-4772/10 Client Sample ID:

Date Analyzed: 08/03/10 17:36 Lab File ID: 03aug101137-r131.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	9.51	Baseline event	lmt	08/05/10 08:24
PCB-1260 Peak 2	10.10	Baseline event	lmt	08/05/10 08:24
PCB-1260 Peak 3	10.84	Baseline event	lmt	08/05/10 08:24

SAMPLE SUMMARY

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-978-1	TS10102	Solid	08/03/2010 1130	08/04/2010 1030

METHOD SUMMARY

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUR	SW846 8082	
Ultrasonic Extraction	TAL BUR		SW846 3550B
Sulfuric Acid/Permanganate Cleanup	TAL BUR		SW846 3665A
Sulfur Cleanup	TAL BUR		SW846 3660B
Percent Moisture	TAL BUR	EPA Moisture	

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Method	Analyst	Analyst ID
SW846 8082	Duncan, Stacee L	SLD
EPA Moisture	Nelson, Andrea J	AJN

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Client Sample ID: **TS10102**

Lab Sample ID: 200-978-1
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 08/03/2010 1130
Date Received: 08/04/2010 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 200-5131		Instrument ID:	3283.i
Preparation:	3550B	Prep Batch: 200-4726		Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	08/06/2010 1346			Injection Volume:	1 uL
Date Prepared:	08/04/2010 1215			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		18	U	2.3	18
PCB-1221		18	U	2.8	18
PCB-1232		18	U	1.7	18
PCB-1242		18	U	1.4	18
PCB-1248		18	U	2.0	18
PCB-1254		18	U	1.4	18
PCB-1260		18	U	3.5	18
PCB-1262		18	U	5.3	18

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		30 - 130
DCB Decachlorobiphenyl	100		45 - 125

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Client Sample ID: **TS10102**

Lab Sample ID: 200-978-1
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 08/03/2010 1130
Date Received: 08/04/2010 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 200-5131		Instrument ID:	3283.i
Preparation:	3550B	Prep Batch: 200-4726		Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	08/06/2010 1346			Injection Volume:	1 uL
Date Prepared:	08/04/2010 1215			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		30 - 130
DCB Decachlorobiphenyl	102		45 - 125

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

General Chemistry

Client Sample ID: **TS10102**

Lab Sample ID: 200-978-1
Client Matrix: Solid

Date Sampled: 08/03/2010 1130
Date Received: 08/04/2010 1030

Analyte	Result	Qual	Units	Dil	Method
Percent Solids	92.7		%	1.0	Moisture

Analysis Batch: 200-4741 Date Analyzed: 08/04/2010 1406 DryWt Corrected: N

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
200-978-1	TS10102	100	99	100	102
MB 200-4726/1-C		104	103	107	109
LCS 200-4726/2-C		107	106	114	111

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-130
DCB = DCB Decachlorobiphenyl	45-125

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Method Blank - Batch: 200-4726

Method: 8082
Preparation: 3550B

Lab Sample ID: MB 200-4726/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/06/2010 1247
Date Prepared: 08/04/2010 1215

Analysis Batch: 200-5131
Prep Batch: 200-4726
Units: ug/Kg

Instrument ID: 3283.i
Lab File ID: 06aug101014-r061.d
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	17	U	2.2	17
PCB-1221	17	U	2.6	17
PCB-1232	17	U	1.6	17
PCB-1242	17	U	1.3	17
PCB-1248	17	U	1.9	17
PCB-1254	17	U	1.3	17
PCB-1260	17	U	3.3	17
PCB-1262	17	U	5.0	17

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	104	30 - 130
DCB Decachlorobiphenyl	107	45 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	103	30 - 130
DCB Decachlorobiphenyl	109	45 - 125

Lab Control Sample - Batch: 200-4726

Method: 8082
Preparation: 3550B

Lab Sample ID: LCS 200-4726/2-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/06/2010 1317
Date Prepared: 08/04/2010 1215

Analysis Batch: 200-5131
Prep Batch: 200-4726
Units: ug/Kg

Instrument ID: 3283.i
Lab File ID: 06aug101014-r071.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	166	169	102	55 - 120	
PCB-1260	166	176	106	55 - 125	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	30 - 130
DCB Decachlorobiphenyl	114	45 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	106	30 - 130
DCB Decachlorobiphenyl	111	45 - 125

DATA REPORTING QUALIFIERS

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 200-4726					
LCS 200-4726/2-C	Lab Control Sample	T	Solid	3550B	
MB 200-4726/1-C	Method Blank	T	Solid	3550B	
200-978-1	TS10102	T	Solid	3550B	
Analysis Batch:200-5131					
LCS 200-4726/2-C	Lab Control Sample	T	Solid	8082	200-4726
MB 200-4726/1-C	Method Blank	T	Solid	8082	200-4726
200-978-1	TS10102	T	Solid	8082	200-4726

Report Basis
T = Total

General Chemistry					
Analysis Batch:200-4741					
200-978-1	TS10102	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS

Job Number: 200-978-1
SDG: KAL570

Laboratory Chronicle

Lab ID: **200-978-1** **Client ID:** **TS10102**

Sample Date/Time: 08/03/2010 11:30 Received Date/Time: 08/04/2010 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	200-978-A-1-C		200-5131	200-4726	08/04/2010 12:15	1	TAL BUR	EAN
A:8082	200-978-A-1-C		200-5131	200-4726	08/06/2010 13:46	1	TAL BUR	SLD
A:Moisture	200-978-A-1		200-4741		08/04/2010 14:06	1	TAL BUR	AJN

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	MB 200-4726/1-C		200-5131	200-4726	08/04/2010 12:15	1	TAL BUR	EAN
A:8082	MB 200-4726/1-C		200-5131	200-4726	08/06/2010 12:47	1	TAL BUR	SLD

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	LCS 200-4726/2-C		200-5131	200-4726	08/04/2010 12:15	1	TAL BUR	EAN
A:8082	LCS 200-4726/2-C		200-5131	200-4726	08/06/2010 13:17	1	TAL BUR	SLD

Lab References:
TAL BUR = TestAmerica Burlington

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Matrix: Solid Level: Low

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-35 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
TS10102	200-978-1	100	99	100	102
	MB 200-4726/1-C	104	103	107	109
	LCS 200-4726/2-C	107	106	114	111

	QC LIMITS
TCX = Tetrachloro-m-xylene	30-130
DCB = DCB Decachlorobiphenyl	45-125

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Matrix: Solid Level: Low Lab File ID: 06aug101014-r071.d

Lab ID: LCS 200-4726/2-C Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	166	169	102	55-120	
PCB-1260	166	176	106	55-125	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: MB 200-4726/1-C

Matrix: Solid Date Extracted: 08/04/2010 12:15

Lab File ID:(1) 06aug101014-r061.d Lab File ID:(2) 06aug101014-r061.d

Date Analyzed:(1) 08/06/2010 12:47 Date Analyzed:(2) 08/06/2010 12:47

Instrument ID:(1) 3283.i Instrument ID:(2) 3283.i

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-35 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 200-4726/2-C	08/06/2010 13:17	08/06/2010 13:17
TS10102	200-978-1	08/06/2010 13:46	08/06/2010 13:46

FORM IV 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Sample No.: CCVRT 200-5131/2 Date Analyzed: 08/06/2010 10:50

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): 06aug101014-r021.d Heated Purge: (Y/N) N

Calibration ID: 1687

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.36	13.55	
UPPER LIMIT				3.41	13.60	
LOWER LIMIT				3.31	13.50	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-5131/2		08/06/2010 10:50	06aug101014-r021.d	3.36	13.55	
MB 200-4726/1-C		08/06/2010 12:47	06aug101014-r061.d	3.36	13.55	
LCS 200-4726/2-C		08/06/2010 13:17	06aug101014-r071.d	3.36	13.55	
200-978-1	TS10102	08/06/2010 13:46	06aug101014-r081.d	3.36	13.55	
CCV 200-5131/12		08/06/2010 15:44	06aug101014-r121.d	3.36	13.55	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Sample No.: CCVRT 200-5131/2 Date Analyzed: 08/06/2010 10:50

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm)

Lab File ID (Standard): 06aug101014-r021.d Heated Purge: (Y/N) N

Calibration ID: 1695

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.27	13.80	
UPPER LIMIT				3.32	13.85	
LOWER LIMIT				3.22	13.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-5131/2		08/06/2010 10:50	06aug101014-r021.d	3.27	13.80	
MB 200-4726/1-C		08/06/2010 12:47	06aug101014-r061.d	3.27	13.80	
LCS 200-4726/2-C		08/06/2010 13:17	06aug101014-r071.d	3.26	13.80	
200-978-1	TS10102	08/06/2010 13:46	06aug101014-r081.d	3.27	13.81	
CCV 200-5131/12		08/06/2010 15:44	06aug101014-r121.d	3.27	13.80	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: Lab Sample ID: LCS 200-4726/2-C

Instrument ID (1): 3283.i Instrument ID (2): 3283.i

Date Analyzed (1): 08/06/2010 13:17 Date Analyzed (2): 08/06/2010 13:17

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.22	4.16	4.26	165	169	3.5
		2	4.43	4.38	4.48	167		
		3	4.76	4.71	4.81	175		
		4	4.89	4.84	4.94	170		
		5	4.99	4.94	5.04	169		
	2	1	3.93	3.89	3.99	160	163	
		2	4.42	4.37	4.47	161		
		3	4.95	4.90	5.00	170		
		4	5.15	5.11	5.21	161		
		5	5.33	5.28	5.38	166		
PCB-1260	1	1	9.52	9.47	9.57	172	176	1.4
		2	10.10	10.06	10.16	172		
		3	10.84	10.79	10.89	184		
		4	11.55	11.50	11.60	179		
		5	11.83	11.79	11.89	171		
	2	1	10.16	10.12	10.22	168	173	
		2	11.40	11.36	11.46	185		
		3	12.14	12.10	12.20	171		
		4	12.86	12.82	12.92	167		
		5	13.02	12.97	13.07	176		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: TS10102 | Lab Sample ID: 200-978-1

Matrix: Solid | Lab File ID: 06aug101014-r081.d

Analysis Method: 8082 | Date Collected: 08/03/2010 11:30

Extraction Method: 3550B | Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.43(g) | Date Analyzed: 08/06/2010 13:46

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 7.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	18	U	18	2.3
11104-28-2	PCB-1221	18	U	18	2.8
11141-16-5	PCB-1232	18	U	18	1.7
53469-21-9	PCB-1242	18	U	18	1.4
12672-29-6	PCB-1248	18	U	18	2.0
11097-69-1	PCB-1254	18	U	18	1.4
11096-82-5	PCB-1260	18	U	18	3.5
37324-23-5	PCB-1262	18	U	18	5.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	100	30-130	
2051-24-3	DCB Decachlorobiphenyl	100	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: TS10102 Lab Sample ID: 200-978-1

Matrix: Solid Lab File ID: 06aug101014-r081.d

Analysis Method: 8082 Date Collected: 08/03/2010 11:30

Extraction Method: 3550B Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.43(g) Date Analyzed: 08/06/2010 13:46

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: 7.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 Units: ug/Kg

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	99	30-130	
2051-24-3	DCB Decachlorobiphenyl	102	45-125	

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1680

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.609										3.559 - 3.659	3.609
PCB-1221 Peak 2	3.717										3.667 - 3.767	3.717
PCB-1221 Peak 3	3.777										3.727 - 3.827	3.777
PCB-1221 Peak 4	4.243										4.193 - 4.293	4.243
PCB-1221 Peak 5	4.433										4.383 - 4.483	4.433

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1680

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	13.185				Ave		13									
PCB-1221 Peak 2	9.6150				Ave		10									
PCB-1221 Peak 3	31.905				Ave		32									
PCB-1221 Peak 4	5.4900				Ave		5									
PCB-1221 Peak 5	2.3550				Ave		2									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1680

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	2637					200				
PCB-1221 Peak 2	Ave	1923					200				
PCB-1221 Peak 3	Ave	6381					200				
PCB-1221 Peak 4	Ave	1098					200				
PCB-1221 Peak 5	Ave	471					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.717										3.667 - 3.767	3.717
PCB-1221 Peak 2	3.873										3.823 - 3.923	3.873
PCB-1221 Peak 3	3.939										3.889 - 3.989	3.939
PCB-1221 Peak 4	4.427										4.377 - 4.477	4.427
PCB-1221 Peak 5	4.954										4.904 - 5.004	4.954

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	12.410				Ave		12									
PCB-1221 Peak 2	9.7000				Ave		10									
PCB-1221 Peak 3	30.445				Ave		30									
PCB-1221 Peak 4	6.5350				Ave		7									
PCB-1221 Peak 5	4.4550				Ave		4									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	2482					200				
PCB-1221 Peak 2	Ave	1940					200				
PCB-1221 Peak 3	Ave	6089					200				
PCB-1221 Peak 4	Ave	1307					200				
PCB-1221 Peak 5	Ave	891					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1681

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.773										3.723 - 3.823	3.773
PCB-1232 Peak 2	4.214										4.164 - 4.264	4.214
PCB-1232 Peak 3	4.427										4.377 - 4.477	4.427
PCB-1232 Peak 4	4.757										4.707 - 4.807	4.757
PCB-1232 Peak 5	4.883										4.833 - 4.933	4.883

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1681

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	27.795				Ave		28									
PCB-1232 Peak 2	15.745				Ave		16									
PCB-1232 Peak 3	15.740				Ave		16									
PCB-1232 Peak 4	27.615				Ave		28									
PCB-1232 Peak 5	16.635				Ave		17									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1681

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	5559					200				
PCB-1232 Peak 2	Ave	3149					200				
PCB-1232 Peak 3	Ave	3148					200				
PCB-1232 Peak 4	Ave	5523					200				
PCB-1232 Peak 5	Ave	3327					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.937										3.887 - 3.987	3.937
PCB-1232 Peak 2	4.422										4.372 - 4.472	4.422
PCB-1232 Peak 3	4.950										4.900 - 5.000	4.950
PCB-1232 Peak 4	5.156										5.106 - 5.206	5.156
PCB-1232 Peak 5	5.936										5.886 - 5.986	5.936

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	27.335				Ave		27									
PCB-1232 Peak 2	20.750				Ave		21									
PCB-1232 Peak 3	31.105				Ave		31									
PCB-1232 Peak 4	12.675				Ave		13									
PCB-1232 Peak 5	9.7600				Ave		10									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	5467					200				
PCB-1232 Peak 2	Ave	4150					200				
PCB-1232 Peak 3	Ave	6221					200				
PCB-1232 Peak 4	Ave	2535					200				
PCB-1232 Peak 5	Ave	1952					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	4.216										4.166 - 4.266	4.216
PCB-1242 Peak 2	4.431										4.381 - 4.481	4.431
PCB-1242 Peak 3	4.761										4.711 - 4.811	4.761
PCB-1242 Peak 4	4.888										4.838 - 4.938	4.888
PCB-1242 Peak 5	4.988										4.938 - 5.038	4.988

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	28.320				Ave		28									
PCB-1242 Peak 2	27.370				Ave		27									
PCB-1242 Peak 3	50.840				Ave		51									
PCB-1242 Peak 4	29.345				Ave		29									
PCB-1242 Peak 5	19.920				Ave		20									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	5664					200				
PCB-1242 Peak 2	Ave	5474					200				
PCB-1242 Peak 3	Ave	10168					200				
PCB-1242 Peak 4	Ave	5869					200				
PCB-1242 Peak 5	Ave	3984					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1690

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	4.422										4.372 - 4.472	4.422
PCB-1242 Peak 2	4.750										4.700 - 4.800	4.750
PCB-1242 Peak 3	4.952										4.902 - 5.002	4.952
PCB-1242 Peak 4	5.156										5.106 - 5.206	5.156
PCB-1242 Peak 5	5.333										5.283 - 5.383	5.333

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1690

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	33.950				Ave		34									
PCB-1242 Peak 2	13.540				Ave		14									
PCB-1242 Peak 3	55.170				Ave		55									
PCB-1242 Peak 4	22.245				Ave		22									
PCB-1242 Peak 5	17.810				Ave		18									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1690

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	6790					200				
PCB-1242 Peak 2	Ave	2708					200				
PCB-1242 Peak 3	Ave	11034					200				
PCB-1242 Peak 4	Ave	4449					200				
PCB-1242 Peak 5	Ave	3562					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1683

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	4.223										4.173 - 4.273	4.223
PCB-1248 Peak 2	4.436										4.386 - 4.486	4.436
PCB-1248 Peak 3	4.764										4.714 - 4.814	4.764
PCB-1248 Peak 4	4.892										4.842 - 4.942	4.892
PCB-1248 Peak 5	5.586										5.536 - 5.636	5.586

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1683

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	15.740				Ave		16									
PCB-1248 Peak 2	12.500				Ave		13									
PCB-1248 Peak 3	30.485				Ave		30									
PCB-1248 Peak 4	15.260				Ave		15									
PCB-1248 Peak 5	15.115				Ave		15									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1683

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	3148					200				
PCB-1248 Peak 2	Ave	2500					200				
PCB-1248 Peak 3	Ave	6097					200				
PCB-1248 Peak 4	Ave	3052					200				
PCB-1248 Peak 5	Ave	3023					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1691

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	4.429										4.379 - 4.479	4.429
PCB-1248 Peak 2	4.956										4.906 - 5.006	4.956
PCB-1248 Peak 3	5.165										5.115 - 5.215	5.165
PCB-1248 Peak 4	5.570										5.520 - 5.620	5.570
PCB-1248 Peak 5	6.003										5.953 - 6.053	6.003

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1691

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	17.065				Ave		17									
PCB-1248 Peak 2	35.310				Ave		35									
PCB-1248 Peak 3	11.315				Ave		11									
PCB-1248 Peak 4	9.3100				Ave		9									
PCB-1248 Peak 5	10.480				Ave		10									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1691

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	3413					200				
PCB-1248 Peak 2	Ave	7062					200				
PCB-1248 Peak 3	Ave	2263					200				
PCB-1248 Peak 4	Ave	1862					200				
PCB-1248 Peak 5	Ave	2096					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	6.756										6.706 - 6.806	6.756
PCB-1254 Peak 2	7.071										7.021 - 7.121	7.071
PCB-1254 Peak 3	7.175										7.125 - 7.225	7.175
PCB-1254 Peak 4	7.260										7.210 - 7.310	7.260
PCB-1254 Peak 5	7.931										7.881 - 7.981	7.931

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	18.340				Ave		18									
PCB-1254 Peak 2	15.645				Ave		16									
PCB-1254 Peak 3	32.190				Ave		32									
PCB-1254 Peak 4	10.815				Ave		11									
PCB-1254 Peak 5	35.400				Ave		35									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	3668					200				
PCB-1254 Peak 2	Ave	3129					200				
PCB-1254 Peak 3	Ave	6438					200				
PCB-1254 Peak 4	Ave	2163					200				
PCB-1254 Peak 5	Ave	7080					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1692

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	7.089										7.039 - 7.139	7.089
PCB-1254 Peak 2	7.304										7.254 - 7.354	7.304
PCB-1254 Peak 3	7.608										7.558 - 7.658	7.608
PCB-1254 Peak 4	7.876										7.826 - 7.926	7.876
PCB-1254 Peak 5	8.417										8.367 - 8.467	8.417

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1692

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	16.835				Ave		17									
PCB-1254 Peak 2	11.085				Ave		11									
PCB-1254 Peak 3	13.060				Ave		13									
PCB-1254 Peak 4	8.5750				Ave		9									
PCB-1254 Peak 5	33.830				Ave		34									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1692

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	3367					200				
PCB-1254 Peak 2	Ave	2217					200				
PCB-1254 Peak 3	Ave	2612					200				
PCB-1254 Peak 4	Ave	1715					200				
PCB-1254 Peak 5	Ave	6766					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1685

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	9.638										9.588 - 9.688	9.638
PCB-1262 Peak 2	10.101										10.051 - 10.151	10.101
PCB-1262 Peak 3	10.237										10.187 - 10.287	10.237
PCB-1262 Peak 4	10.842										10.792 - 10.892	10.842
PCB-1262 Peak 5	11.544										11.494 - 11.594	11.544

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1685

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	21.845				Ave		22									
PCB-1262 Peak 2	42.860				Ave		43									
PCB-1262 Peak 3	19.360				Ave		19									
PCB-1262 Peak 4	89.850				Ave		90									
PCB-1262 Peak 5	33.640				Ave		34									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1685

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	4369					200				
PCB-1262 Peak 2	Ave	8572					200				
PCB-1262 Peak 3	Ave	3872					200				
PCB-1262 Peak 4	Ave	17970					200				
PCB-1262 Peak 5	Ave	6728					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1693

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	10.028										9.978 - 10.078	10.028
PCB-1262 Peak 2	10.902										10.852 - 10.952	10.902
PCB-1262 Peak 3	11.420										11.370 - 11.470	11.420
PCB-1262 Peak 4	12.154										12.104 - 12.204	12.154
PCB-1262 Peak 5	13.032										12.982 - 13.082	13.032

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1693

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	48.145				Ave		48									
PCB-1262 Peak 2	38.845				Ave		39									
PCB-1262 Peak 3	107.25				Ave		107									
PCB-1262 Peak 4	63.020				Ave		63									
PCB-1262 Peak 5	65.770				Ave		66									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1693

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	9629					200				
PCB-1262 Peak 2	Ave	7769					200				
PCB-1262 Peak 3	Ave	21449					200				
PCB-1262 Peak 4	Ave	12604					200				
PCB-1262 Peak 5	Ave	13154					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	4.216	4.221	4.207	4.205	4.221						4.157 - 4.257	4.214
PCB-1016 Peak 2	4.431	4.433	4.420	4.418	4.433						4.370 - 4.470	4.427
PCB-1016 Peak 3	4.759	4.764	4.750	4.748	4.761						4.700 - 4.800	4.757
PCB-1016 Peak 4	4.888	4.890	4.877	4.874	4.890						4.827 - 4.927	4.884
PCB-1016 Peak 5	4.988	4.992	4.979	4.976	4.990						4.929 - 5.029	4.985
PCB-1260 Peak 1	9.518	9.525	9.510	9.505	9.521						9.460 - 9.560	9.516
PCB-1260 Peak 2	10.106	10.110	10.097	10.092	10.108						10.047 - 10.147	10.103
PCB-1260 Peak 3	10.848	10.848	10.835	10.833	10.846						10.785 - 10.885	10.842
PCB-1260 Peak 4	11.551	11.553	11.540	11.536	11.551						11.490 - 11.590	11.546
PCB-1260 Peak 5	11.837	11.841	11.826	11.824	11.837						11.776 - 11.876	11.833
Tetrachloro-m-xylene	3.358	3.363	3.349	3.347	3.363						3.299 - 3.399	3.356
DCB Decachlorobiphenyl	13.546	13.550	13.537	13.535	13.548						13.487 - 13.587	13.543

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	38.180 32.031	36.880	34.440	33.120	Ave		35				7.3					
PCB-1016 Peak 2	37.180 32.921	35.930	33.645	32.718	Ave		34				5.7					
PCB-1016 Peak 3	67.300 68.910	64.850	64.625	66.018	Ave		66				2.7					
PCB-1016 Peak 4	39.880 36.818	38.030	36.525	36.388	Ave		38				3.9					
PCB-1016 Peak 5	26.140 25.240	26.180	25.525	24.990	Ave		26				2.1					
PCB-1260 Peak 1	37.420 35.249	35.400	34.465	34.308	Ave		35				3.5					
PCB-1260 Peak 2	37.960 36.535	37.050	35.445	34.808	Ave		36				3.5					
PCB-1260 Peak 3	79.420 88.149	76.270	77.180	81.863	Ave		81				5.9					
PCB-1260 Peak 4	46.620 47.861	45.240	45.420	45.123	Ave		46				2.6					
PCB-1260 Peak 5	31.260 28.540	30.660	29.000	28.353	Ave		30				4.4					
Tetrachloro-m-xylene	1287.4 1431.2	1316.2	1315.2	1387.9	Ave		1348				4.4					
DCB Decachlorobiphenyl	1580.8 1754.1	1584.6	1610.7	1696.8	Ave		1645				4.7					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1909	3688	6888	13248	25625	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	1859	3593	6729	13087	26337	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	3365	6485	12925	26407	55128	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	1994	3803	7305	14555	29454	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	1307	2618	5105	9996	20192	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	1871	3540	6893	13723	28199	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	1898	3705	7089	13923	29228	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	3971	7627	15436	32745	70519	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	2331	4524	9084	18049	38289	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	1563	3066	5800	11341	22832	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	6437	13162	26303	55517	114499	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	7904	15846	32214	67871	140331	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:

Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1695

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	3.946	3.939	3.948	3.935	3.948						3.898 - 3.998	3.943
PCB-1016 Peak 2	4.431	4.424	4.433	4.420	4.433						4.383 - 4.483	4.428
PCB-1016 Peak 3	4.959	4.952	4.961	4.948	4.961						4.911 - 5.011	4.956
PCB-1016 Peak 4	5.165	5.158	5.167	5.154	5.167						5.117 - 5.217	5.162
PCB-1016 Peak 5	5.342	5.336	5.344	5.331	5.344						5.294 - 5.394	5.340
PCB-1260 Peak 1	10.177	10.170	10.179	10.163	10.177						10.129 - 10.229	10.173
PCB-1260 Peak 2	11.422	11.416	11.422	11.409	11.420						11.372 - 11.472	11.418
PCB-1260 Peak 3	12.156	12.147	12.156	12.141	12.154						12.106 - 12.206	12.151
PCB-1260 Peak 4	12.879	12.872	12.881	12.866	12.879						12.831 - 12.931	12.875
PCB-1260 Peak 5	13.032	13.027	13.034	13.018	13.032						12.984 - 13.084	13.029
Tetrachloro-m-xylene	3.274	3.270	3.278	3.263	3.276						3.228 - 3.328	3.272
DCB Decachlorobiphenyl	13.810	13.805	13.812	13.799	13.812						13.762 - 13.862	13.808

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1695

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	26.020 20.903	25.320	23.945	21.800	Ave		24				9.3					
PCB-1016 Peak 2	47.100 37.849	44.370	40.960	39.103	Ave		42				9.1					
PCB-1016 Peak 3	75.360 68.345	70.370	68.430	67.725	Ave		70				4.5					
PCB-1016 Peak 4	30.120 24.715	29.020	27.070	25.498	Ave		27				8.4					
PCB-1016 Peak 5	22.800 20.156	22.430	21.555	20.333	Ave		21				5.6					
PCB-1260 Peak 1	18.500 16.163	17.540	17.280	16.575	Ave		17				5.3					
PCB-1260 Peak 2	95.640 99.839	92.330	94.025	96.670	Ave		96				3.0					
PCB-1260 Peak 3	37.760 33.500	36.630	34.160	32.750	Ave		35				6.1					
PCB-1260 Peak 4	18.540 16.559	17.530	17.175	16.335	Ave		17				5.1					
PCB-1260 Peak 5	45.720 44.316	44.280	42.965	41.833	Ave		44				3.4					
Tetrachloro-m-xylene	1166.0 1206.3	1149.8	1153.0	1183.8	Ave		1172				2.0					
DCB Decachlorobiphenyl	1558.2 1664.9	1527.2	1570.2	1586.4	Ave		1581				3.3					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1695

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1301	2532	4789	8720	16722	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	2355	4437	8192	15641	30279	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	3768	7037	13686	27090	54676	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	1506	2902	5414	10199	19772	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	1140	2243	4311	8133	16125	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	925	1754	3456	6630	12930	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	4782	9233	18805	38668	79871	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	1888	3663	6832	13100	26800	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	927	1753	3435	6534	13247	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	2286	4428	8593	16733	35453	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	5830	11498	23060	47352	96506	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	7791	15272	31403	63455	133192	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:

Ave = Average by Height

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	34.93	35.35		202	200	1.2	20.0
PCB-1016 Peak 2	Ave	34.48	35.25		204	200	2.2	20.0
PCB-1016 Peak 3	Ave	66.34	66.77		201	200	0.6	20.0
PCB-1016 Peak 4	Ave	37.53	38.14		203	200	1.6	20.0
PCB-1016 Peak 5	Ave	25.62	26.07		204	200	1.8	20.0
PCB-1260 Peak 1	Ave	35.37	36.68		207	200	3.7	20.0
PCB-1260 Peak 2	Ave	36.36	38.05		209	200	4.6	20.0
PCB-1260 Peak 3	Ave	80.58	85.99		213	200	6.7	20.0
PCB-1260 Peak 4	Ave	46.05	50.26		218	200	9.1	20.0
PCB-1260 Peak 5	Ave	29.56	29.93		202	200	1.2	20.0
Tetrachloro-m-xylene	Ave	1348	1333		19.8	20.0	-1.1	20.0
DCB Decachlorobiphenyl	Ave	1645	1707		20.7	20.0	3.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.22	4.16	4.26
PCB-1016 Peak 2	4.44	4.37	4.47
PCB-1016 Peak 3	4.77	4.70	4.80
PCB-1016 Peak 4	4.89	4.83	4.93
PCB-1016 Peak 5	4.99	4.93	5.03
PCB-1260 Peak 1	9.52	9.46	9.56
PCB-1260 Peak 2	10.11	10.05	10.15
PCB-1260 Peak 3	10.85	10.79	10.89
PCB-1260 Peak 4	11.55	11.49	11.59
PCB-1260 Peak 5	11.84	11.78	11.88
Tetrachloro-m-xylene	3.36	3.30	3.40
DCB Decachlorobiphenyl	13.55	13.49	13.59

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	23.60	25.17		213	200	6.6	20.0
PCB-1016 Peak 2	Ave	41.88	42.27		202	200	0.9	20.0
PCB-1016 Peak 3	Ave	70.05	70.16		200	200	0.2	20.0
PCB-1016 Peak 4	Ave	27.28	27.99		205	200	2.6	20.0
PCB-1016 Peak 5	Ave	21.45	22.31		208	200	4.0	20.0
PCB-1260 Peak 1	Ave	17.21	18.40		214	200	6.9	20.0
PCB-1260 Peak 2	Ave	95.70	99.17		207	200	3.6	20.0
PCB-1260 Peak 3	Ave	34.96	33.39		191	200	-4.5	20.0
PCB-1260 Peak 4	Ave	17.23	17.96		209	200	4.3	20.0
PCB-1260 Peak 5	Ave	43.82	43.53		199	200	-0.7	20.0
Tetrachloro-m-xylene	Ave	1172	1160		19.8	20.0	-1.0	20.0
DCB Decachlorobiphenyl	Ave	1581	1620		20.5	20.0	2.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.95	3.90	4.00
PCB-1016 Peak 2	4.43	4.38	4.48
PCB-1016 Peak 3	4.96	4.91	5.01
PCB-1016 Peak 4	5.16	5.12	5.22
PCB-1016 Peak 5	5.34	5.29	5.39
PCB-1260 Peak 1	10.17	10.13	10.23
PCB-1260 Peak 2	11.42	11.37	11.47
PCB-1260 Peak 3	12.15	12.11	12.21
PCB-1260 Peak 4	12.87	12.83	12.93
PCB-1260 Peak 5	13.03	12.98	13.08
Tetrachloro-m-xylene	3.27	3.23	3.33
DCB Decachlorobiphenyl	13.81	13.76	13.86

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	34.93	33.65		193	200	-3.7	15.0
PCB-1016 Peak 2	Ave	34.48	33.64		195	200	-2.4	15.0
PCB-1016 Peak 3	Ave	66.34	63.85		192	200	-3.8	15.0
PCB-1016 Peak 4	Ave	37.53	36.85		196	200	-1.8	15.0
PCB-1016 Peak 5	Ave	25.62	25.10		196	200	-2.0	15.0
PCB-1260 Peak 1	Ave	35.37	35.18		199	200	-0.5	15.0
PCB-1260 Peak 2	Ave	36.36	35.94		198	200	-1.2	15.0
PCB-1260 Peak 3	Ave	80.58	80.01		199	200	-0.7	15.0
PCB-1260 Peak 4	Ave	46.05	46.95		204	200	1.9	15.0
PCB-1260 Peak 5	Ave	29.56	29.87		202	200	1.0	15.0
Tetrachloro-m-xylene	Ave	1348	1265		18.8	20.0	-6.2	15.0
DCB Decachlorobiphenyl	Ave	1645	1666		20.3	20.0	1.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.21	4.16	4.26
PCB-1016 Peak 2	4.43	4.38	4.48
PCB-1016 Peak 3	4.76	4.71	4.81
PCB-1016 Peak 4	4.89	4.84	4.94
PCB-1016 Peak 5	4.99	4.94	5.04
PCB-1260 Peak 1	9.52	9.47	9.57
PCB-1260 Peak 2	10.11	10.06	10.16
PCB-1260 Peak 3	10.84	10.79	10.89
PCB-1260 Peak 4	11.55	11.50	11.60
PCB-1260 Peak 5	11.84	11.79	11.89
Tetrachloro-m-xylene	3.36	3.31	3.41
DCB Decachlorobiphenyl	13.55	13.50	13.60

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	23.60	23.82		202	200	0.9	15.0
PCB-1016 Peak 2	Ave	41.88	40.68		194	200	-2.9	15.0
PCB-1016 Peak 3	Ave	70.05	67.51		193	200	-3.6	15.0
PCB-1016 Peak 4	Ave	27.28	26.93		197	200	-1.3	15.0
PCB-1016 Peak 5	Ave	21.45	21.37		199	200	-0.4	15.0
PCB-1260 Peak 1	Ave	17.21	17.90		208	200	4.0	15.0
PCB-1260 Peak 2	Ave	95.70	95.03		199	200	-0.7	15.0
PCB-1260 Peak 3	Ave	34.96	34.67		198	200	-0.8	15.0
PCB-1260 Peak 4	Ave	17.23	17.68		205	200	2.6	15.0
PCB-1260 Peak 5	Ave	43.82	42.57		194	200	-2.9	15.0
Tetrachloro-m-xylene	Ave	1172	1128		19.2	20.0	-3.8	15.0
DCB Decachlorobiphenyl	Ave	1581	1556		19.7	20.0	-1.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.94	3.89	3.99
PCB-1016 Peak 2	4.42	4.37	4.47
PCB-1016 Peak 3	4.95	4.90	5.00
PCB-1016 Peak 4	5.16	5.11	5.21
PCB-1016 Peak 5	5.33	5.28	5.38
PCB-1260 Peak 1	10.17	10.12	10.22
PCB-1260 Peak 2	11.41	11.36	11.46
PCB-1260 Peak 3	12.15	12.10	12.20
PCB-1260 Peak 4	12.87	12.82	12.92
PCB-1260 Peak 5	13.02	12.97	13.07
Tetrachloro-m-xylene	3.27	3.22	3.32
DCB Decachlorobiphenyl	13.80	13.75	13.85

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	34.93	34.31		196	200	-1.8	15.0
PCB-1016 Peak 2	Ave	34.48	34.12		198	200	-1.0	15.0
PCB-1016 Peak 3	Ave	66.34	65.93		199	200	-0.6	15.0
PCB-1016 Peak 4	Ave	37.53	37.24		198	200	-0.8	15.0
PCB-1016 Peak 5	Ave	25.62	26.11		204	200	1.9	15.0
PCB-1260 Peak 1	Ave	35.37	36.23		205	200	2.4	15.0
PCB-1260 Peak 2	Ave	36.36	36.79		202	200	1.2	15.0
PCB-1260 Peak 3	Ave	80.58	83.04		206	200	3.1	15.0
PCB-1260 Peak 4	Ave	46.05	47.49		206	200	3.1	15.0
PCB-1260 Peak 5	Ave	29.56	30.67		207	200	3.7	15.0
Tetrachloro-m-xylene	Ave	1348	1327		19.7	20.0	-1.5	15.0
DCB Decachlorobiphenyl	Ave	1645	1642		20.0	20.0	-0.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.22	4.16	4.26
PCB-1016 Peak 2	4.43	4.38	4.48
PCB-1016 Peak 3	4.76	4.71	4.81
PCB-1016 Peak 4	4.89	4.84	4.94
PCB-1016 Peak 5	4.99	4.94	5.04
PCB-1260 Peak 1	9.52	9.47	9.57
PCB-1260 Peak 2	10.11	10.06	10.16
PCB-1260 Peak 3	10.85	10.79	10.89
PCB-1260 Peak 4	11.55	11.50	11.60
PCB-1260 Peak 5	11.84	11.79	11.89
Tetrachloro-m-xylene	3.36	3.31	3.41
DCB Decachlorobiphenyl	13.55	13.50	13.60

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	23.60	23.86		202	200	1.1	15.0
PCB-1016 Peak 2	Ave	41.88	40.57		194	200	-3.1	15.0
PCB-1016 Peak 3	Ave	70.05	67.82		194	200	-3.2	15.0
PCB-1016 Peak 4	Ave	27.28	26.94		197	200	-1.3	15.0
PCB-1016 Peak 5	Ave	21.45	21.45		200	200	-0.0	15.0
PCB-1260 Peak 1	Ave	17.21	17.51		203	200	1.7	15.0
PCB-1260 Peak 2	Ave	95.70	95.33		199	200	-0.4	15.0
PCB-1260 Peak 3	Ave	34.96	35.02		200	200	0.2	15.0
PCB-1260 Peak 4	Ave	17.23	17.48		203	200	1.4	15.0
PCB-1260 Peak 5	Ave	43.82	44.85		205	200	2.3	15.0
Tetrachloro-m-xylene	Ave	1172	1159		19.8	20.0	-1.1	15.0
DCB Decachlorobiphenyl	Ave	1581	1607		20.3	20.0	1.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.94	3.89	3.99
PCB-1016 Peak 2	4.42	4.37	4.47
PCB-1016 Peak 3	4.95	4.90	5.00
PCB-1016 Peak 4	5.16	5.11	5.21
PCB-1016 Peak 5	5.33	5.28	5.38
PCB-1260 Peak 1	10.17	10.12	10.22
PCB-1260 Peak 2	11.41	11.36	11.46
PCB-1260 Peak 3	12.15	12.10	12.20
PCB-1260 Peak 4	12.87	12.82	12.92
PCB-1260 Peak 5	13.02	12.97	13.07
Tetrachloro-m-xylene	3.27	3.22	3.32
DCB Decachlorobiphenyl	13.80	13.75	13.85

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-978-1
SDG No.: KAL570
Client Sample ID:
Lab Sample ID: MB 200-4726/1-C
Matrix: Solid
Lab File ID: 06aug101014-r061.d
Analysis Method: 8082
Date Collected:
Extraction Method: 3550B
Date Extracted: 08/04/2010 12:15
Sample wt/vol: 30.09(g)
Date Analyzed: 08/06/2010 12:47
Con. Extract Vol.: 10000(uL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-5 ID: 0.25(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 5131
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	17	U	17	2.2
11104-28-2	PCB-1221	17	U	17	2.6
11141-16-5	PCB-1232	17	U	17	1.6
53469-21-9	PCB-1242	17	U	17	1.3
12672-29-6	PCB-1248	17	U	17	1.9
11097-69-1	PCB-1254	17	U	17	1.3
11096-82-5	PCB-1260	17	U	17	3.3
37324-23-5	PCB-1262	17	U	17	5.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	104	30-130	
2051-24-3	DCB Decachlorobiphenyl	107	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: Lab Sample ID: MB 200-4726/1-C

Matrix: Solid Lab File ID: 06aug101014-r061.d

Analysis Method: 8082 Date Collected:

Extraction Method: 3550B Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.09(g) Date Analyzed: 08/06/2010 12:47

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 Units: ug/Kg

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	103	30-130	
2051-24-3	DCB Decachlorobiphenyl	109	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: | Lab Sample ID: LCS 200-4726/2-C

Matrix: Solid | Lab File ID: 06aug101014-r071.d

Analysis Method: 8082 | Date Collected:

Extraction Method: 3550B | Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.06(g) | Date Analyzed: 08/06/2010 13:17

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	169		17	2.2
11104-28-2	PCB-1221	17	U	17	2.6
11141-16-5	PCB-1232	17	U	17	1.6
53469-21-9	PCB-1242	17	U	17	1.3
12672-29-6	PCB-1248	17	U	17	1.9
11097-69-1	PCB-1254	17	U	17	1.3
11096-82-5	PCB-1260	176		17	3.3
37324-23-5	PCB-1262	17	U	17	5.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	107	30-130	
2051-24-3	DCB Decachlorobiphenyl	114	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-978-1
SDG No.: KAL570
Client Sample ID:
Lab Sample ID: LCS 200-4726/2-C
Matrix: Solid
Lab File ID: 06aug101014-r071.d
Analysis Method: 8082
Date Collected:
Extraction Method: 3550B
Date Extracted: 08/04/2010 12:15
Sample wt/vol: 30.06(g)
Date Analyzed: 08/06/2010 13:17
Con. Extract Vol.: 10000(uL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-35 ID: 0.25(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 5131
Units: ug/Kg

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	106	30-130	
2051-24-3	DCB Decachlorobiphenyl	111	45-125	

GC INSTRUMENT RUN LOG Batch 4772

Date: 8/3/10	Target Directory: 080310_1	Instrument ID: 3283	CH: 3 & 4	Report Information:
Analyst: DPD	Test Method: 8082	Column Type: RTX5		Page ( ) of ( )
Project(s): 080110	ICAL Date: 8/3/10	Column Type: RTX35		Column 1: 1680-1687
		Injection Volume 2 uL		Column 2: 1688-1695

Inj.#	Lab ID	BC	Analysis Filename/ Batch	ETR / SDG	Matrix	DF	QC check	Analyst	Comments
1	PIBLK-17135		03AUG101137						17135 PIBLK
2	PIBLK-17135								17135 PIBLK
3	PIBLK-17135								17135 PIBLK
4	IC-28402						✓	DPD/LMT	28402 AR1221 200PPB TALS Batch 4772
5	IC-28407								28407 AR1232 200PPB
6	IC-28412								28412 AR1242 200PPB
7	IC-28417								28417 AR1248 200PPB
8	IC-30265								30265 AR1254 200PPB
9	IC-30289								30289 AR1262 200PPB
10	IC-30294								30294 AR1268 200PPB
11	IC-30316								30316 AR1660 50PPB
12	IC-30315								30315 AR1660 100PPB
13	ICRT-30314								30314 AR1660 200PPB
14	IC-30313								30313 AR1660 400PPB
15	IC-30312								30312 AR1660 800PPB
16	PIBLK-17135								17135 PIBLK
17	ICV-30854								30854 AR1660 ICV

DPD 8/3/10

DPD 8/3/10

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

GC INSTRUMENT RUN LOG

Date: 8/3/10	Target Directory: 080310_1	Instrument ID: 3283	CH: 3 & 4		Report Information:
Analyst: DPD	Test Method: 8082	Column Type: RTX5			Page { } of { }
Project(s): 080110	ICAL Date: 8/3/10	Column Type: RTX35			
		Injection Volume 2 uL			

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
1	MB-200-4597/1	—	03AUG101156	927	W	1:1			
2	LCS-200-4597/2								
3	200-927-A-1								
4	200-927-A-2								
5	200-927-A-3								
6	CCV-30314			—	—	—			
	~~CCVRT-30314~~								DPD 8/4/10
1	PIBLK-17135	—	04AUG101637		—	—			
2	CCVRT-30314				—	—	✓	DPD/LMT	TALS Batch 4773
3	MB-200-4733/1-B			976	S	1:1			ND
4	LCS-200-4733/2-B					1:1			1016, 1260
5	200-976-A-2-C					1:10			- Carry 1:5
6	200-976-A-2-C					1:5			1248, 1254. 1260<RL
7	CCV-30314				—	—			
1	PIBLK-17135	-	06AUG101014	—	—	1:1			TALS Batch 4974
2	CCVRT-30314	-		-	—	1:1	✓	SKD	OK\OK RT Update
3	MB-200-4611/1-A	-		930	W	1:1	✓	SKD	ND
4	LCS-200-4611/3-A	-				1:1			1016, 1260
5	200-930-F-13-A	F				1:1			ND DCB Low ↓
6	MB-200-4726/1-B	-		978	S	1:1			ND
7	LCS-200-4726/2-B	-				1:1			1016, 1260
8	200-978-A-1-B	A				1:1			ND
9	MB-200-4618/1-A	-		930	S	1:1			ND
10	LCS-200-4618/2-A	-				1:1			1016, 1260
11	200-930-A-1-B	A				1:10			1248, 1254, 1260
12	CCV-30314	-		—	—	—	✓	SKD	OK\OK
									~~SKD 8-6-10~~

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Start Date: 08/03/2010 13:11

Analysis Batch Number: 4772 End Date: 08/03/2010 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 200-4772/1		08/03/2010 13:11	1	03aug101137-r04 1.d	RTX-5 0.25(mm)
IC 200-4772/1		08/03/2010 13:11	1	03aug101137-r04 1.d	RTX-35 0.25(mm)
IC 200-4772/2		08/03/2010 13:40	1	03aug101137-r05 1.d	RTX-5 0.25(mm)
IC 200-4772/2		08/03/2010 13:40	1	03aug101137-r05 1.d	RTX-35 0.25(mm)
IC 200-4772/3		08/03/2010 14:10	1	03aug101137-r06 1.d	RTX-5 0.25(mm)
IC 200-4772/3		08/03/2010 14:10	1	03aug101137-r06 1.d	RTX-35 0.25(mm)
IC 200-4772/4		08/03/2010 14:39	1	03aug101137-r07 1.d	RTX-5 0.25(mm)
IC 200-4772/4		08/03/2010 14:39	1	03aug101137-r07 1.d	RTX-35 0.25(mm)
IC 200-4772/5		08/03/2010 15:09	1	03aug101137-r08 1.d	RTX-5 0.25(mm)
IC 200-4772/5		08/03/2010 15:09	1	03aug101137-r08 1.d	RTX-35 0.25(mm)
IC 200-4772/6		08/03/2010 15:38	1	03aug101137-r09 1.d	RTX-5 0.25(mm)
IC 200-4772/6		08/03/2010 15:38	1	03aug101137-r09 1.d	RTX-35 0.25(mm)
IC 200-4772/7		08/03/2010 16:07	1		RTX-5 0.25(mm)
IC 200-4772/7		08/03/2010 16:07	1		RTX-35 0.25(mm)
IC 200-4772/8		08/03/2010 16:37	1	03aug101137-r11 1.d	RTX-5 0.25(mm)
IC 200-4772/8		08/03/2010 16:37	1	03aug101137-r11 1.d	RTX-35 0.25(mm)
IC 200-4772/9		08/03/2010 17:06	1	03aug101137-r12 1.d	RTX-5 0.25(mm)
IC 200-4772/9		08/03/2010 17:06	1	03aug101137-r12 1.d	RTX-35 0.25(mm)
ICRT 200-4772/10		08/03/2010 17:36	1	03aug101137-r13 1.d	RTX-5 0.25(mm)
ICRT 200-4772/10		08/03/2010 17:36	1	03aug101137-r13 1.d	RTX-35 0.25(mm)
IC 200-4772/11		08/03/2010 18:05	1	03aug101137-r14 1.d	RTX-5 0.25(mm)
IC 200-4772/11		08/03/2010 18:05	1	03aug101137-r14 1.d	RTX-35 0.25(mm)
IC 200-4772/12		08/03/2010 18:34	1	03aug101137-r15 1.d	RTX-5 0.25(mm)
IC 200-4772/12		08/03/2010 18:34	1	03aug101137-r15 1.d	RTX-35 0.25(mm)
ICV 200-4772/13		08/03/2010 19:33	1	03aug101137-r17 1.d	RTX-5 0.25(mm)
ICV 200-4772/13		08/03/2010 19:33	1	03aug101137-r17 1.d	RTX-35 0.25(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Start Date: 08/06/2010 10:20

Analysis Batch Number: 5131 End Date: 08/06/2010 15:44

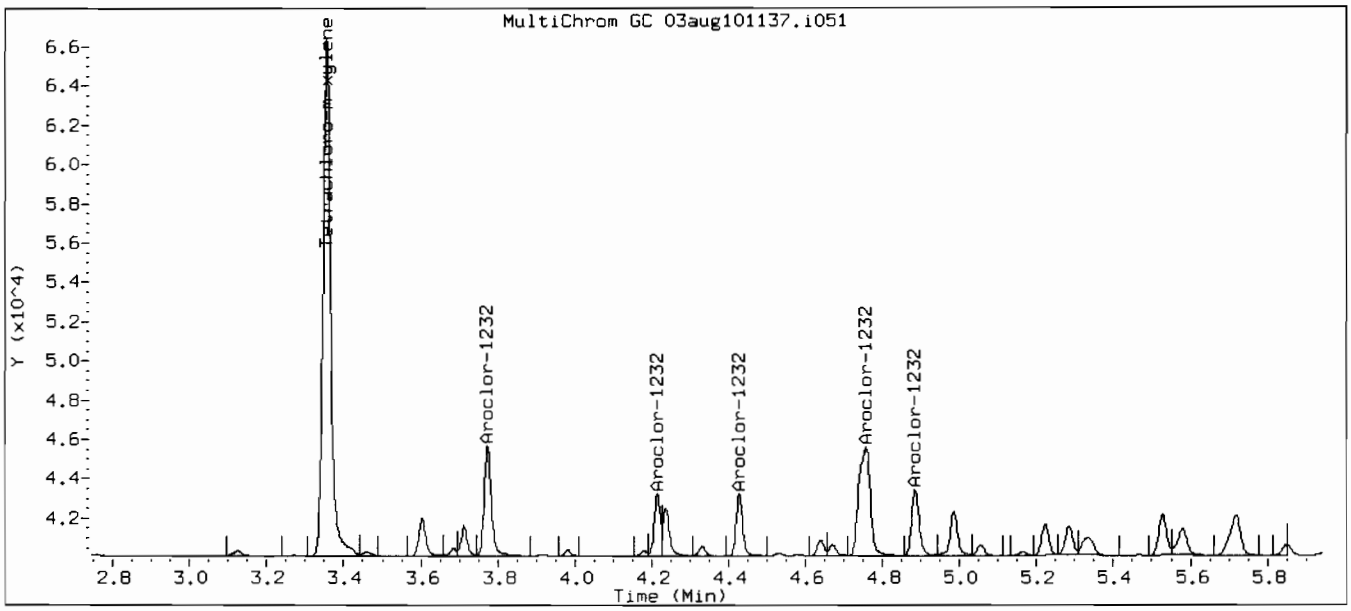
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 200-5131/1		08/06/2010 10:20	1		RTX-5 0.25(mm)
PIBLK 200-5131/1		08/06/2010 10:20	1		RTX-35 0.25(mm)
CCVRT 200-5131/2		08/06/2010 10:50	1	06aug101014-r02 1.d	RTX-5 0.25(mm)
CCVRT 200-5131/2		08/06/2010 10:50	1	06aug101014-r02 1.d	RTX-35 0.25(mm)
ZZZZZ		08/06/2010 11:19	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 11:19	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 11:48	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 11:48	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 12:18	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 12:18	1		RTX-35 0.25(mm)
MB 200-4726/1-C		08/06/2010 12:47	1	06aug101014-r06 1.d	RTX-5 0.25(mm)
MB 200-4726/1-C		08/06/2010 12:47	1	06aug101014-r06 1.d	RTX-35 0.25(mm)
LCS 200-4726/2-C		08/06/2010 13:17	1	06aug101014-r07 1.d	RTX-5 0.25(mm)
LCS 200-4726/2-C		08/06/2010 13:17	1	06aug101014-r07 1.d	RTX-35 0.25(mm)
200-978-1	TS10102	08/06/2010 13:46	1	06aug101014-r08 1.d	RTX-5 0.25(mm)
200-978-1	TS10102	08/06/2010 13:46	1	06aug101014-r08 1.d	RTX-35 0.25(mm)
ZZZZZ		08/06/2010 14:15	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 14:15	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 14:45	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 14:45	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 15:14	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 15:14	1		RTX-35 0.25(mm)
CCV 200-5131/12		08/06/2010 15:44	1	06aug101014-r12 1.d	RTX-5 0.25(mm)
CCV 200-5131/12		08/06/2010 15:44	1	06aug101014-r12 1.d	RTX-35 0.25(mm)

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r051.d
Client Sample ID: AR1232 200PPB
Compound Name: Aroclor-1232

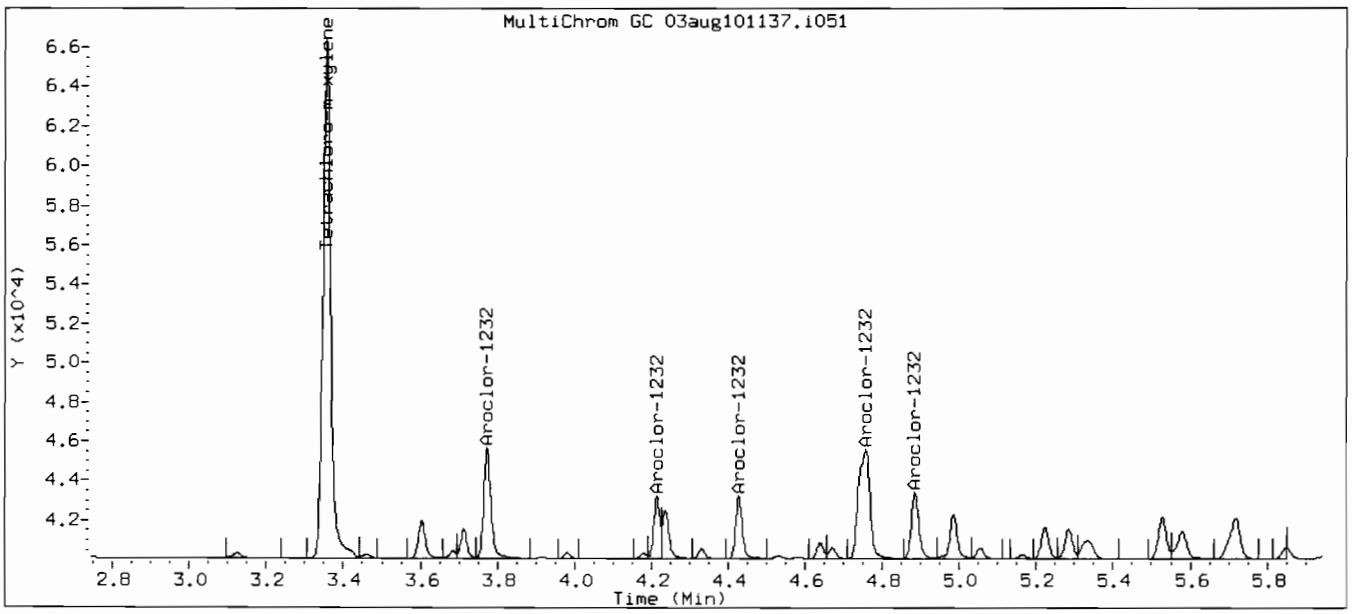
Inj. Date and Time: 03-AUG-2010 13:40
Instrument ID: 3283_1.i
CAS #: 11141-16-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:27



Original Integration:

RT = 3.7728 Height = 5559
RT = 4.2139 Height = 3149
RT = 4.4267 Height = 3148
RT = 4.7570 Height = 5508
RT = 4.8833 Height = 3309



Final Integration:

RT = 3.7728 Height = 5559
RT = 4.2139 Height = 3149
RT = 4.4267 Height = 3148
RT = 4.7570 Height = 5523
RT = 4.8833 Height = 3327

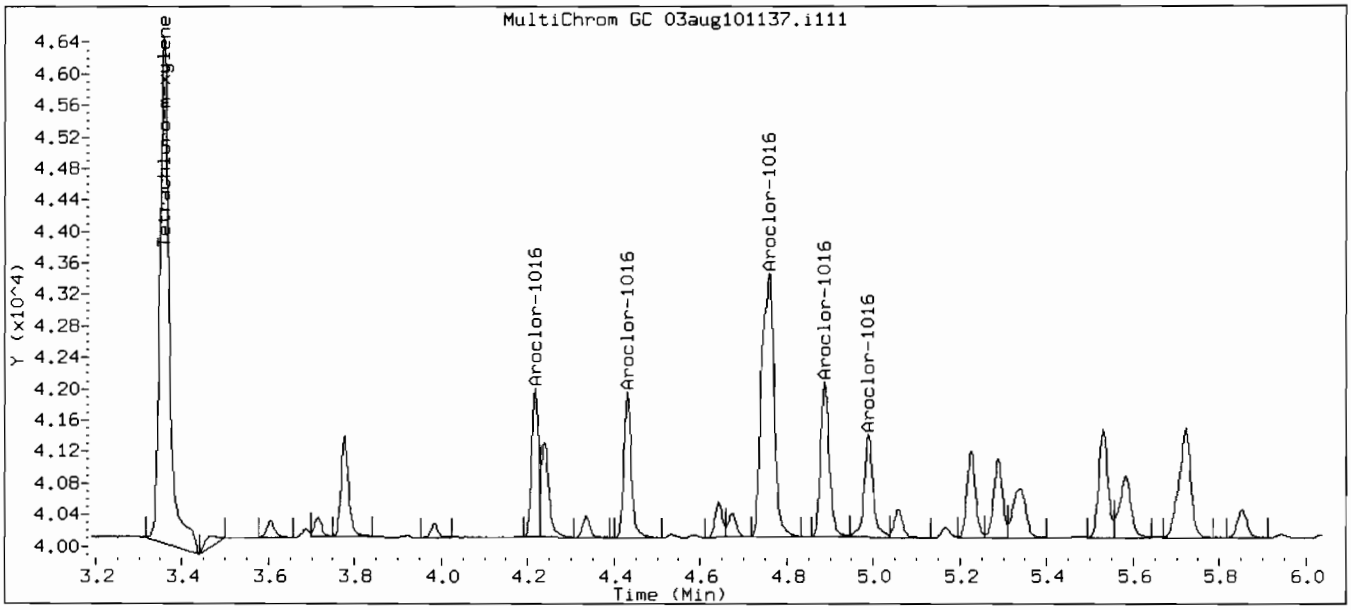
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r111.d
Client Sample ID: AR1660 50PPB
Compound Name: Aroclor-1016

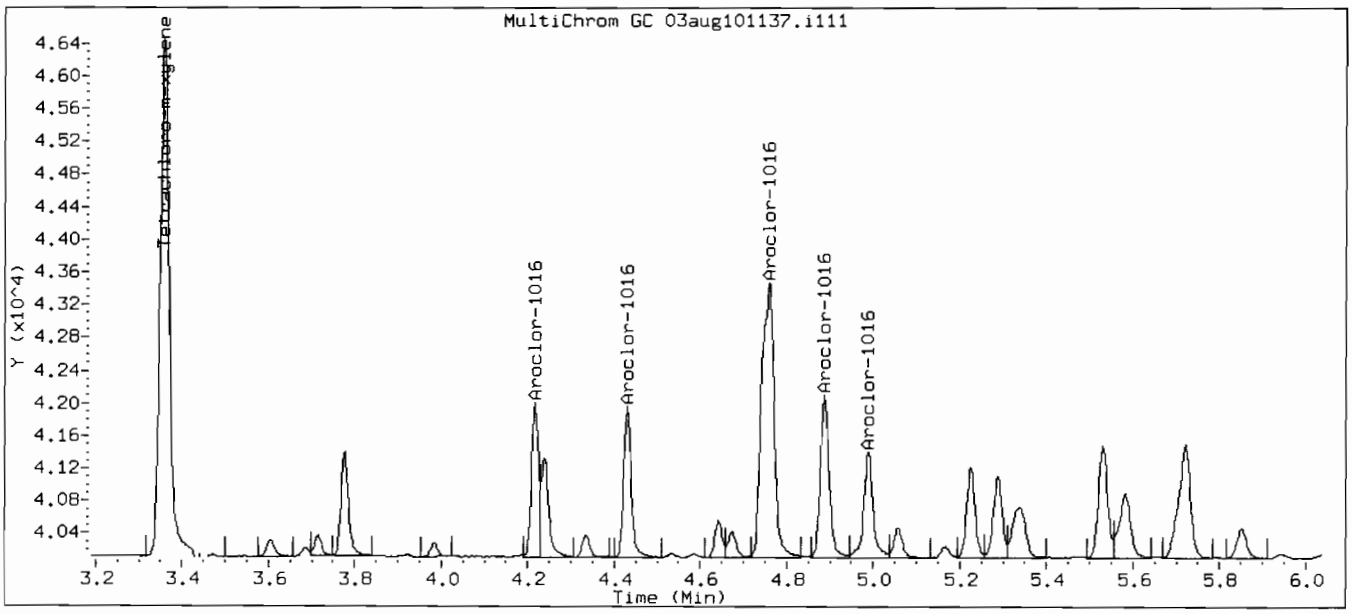
Inj. Date and Time: 03-AUG-2010 16:37
Instrument ID: 3283_1.i
CAS #: 12674-11-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 4.2161 Height = 1897
RT = 4.4311 Height = 1859
RT = 4.7592 Height = 3354
RT = 4.8877 Height = 1984
RT = 4.9875 Height = 1298



Final Integration:

RT = 4.2161 Height = 1909
RT = 4.4311 Height = 1859
RT = 4.7592 Height = 3365
RT = 4.8877 Height = 1994
RT = 4.9875 Height = 1307

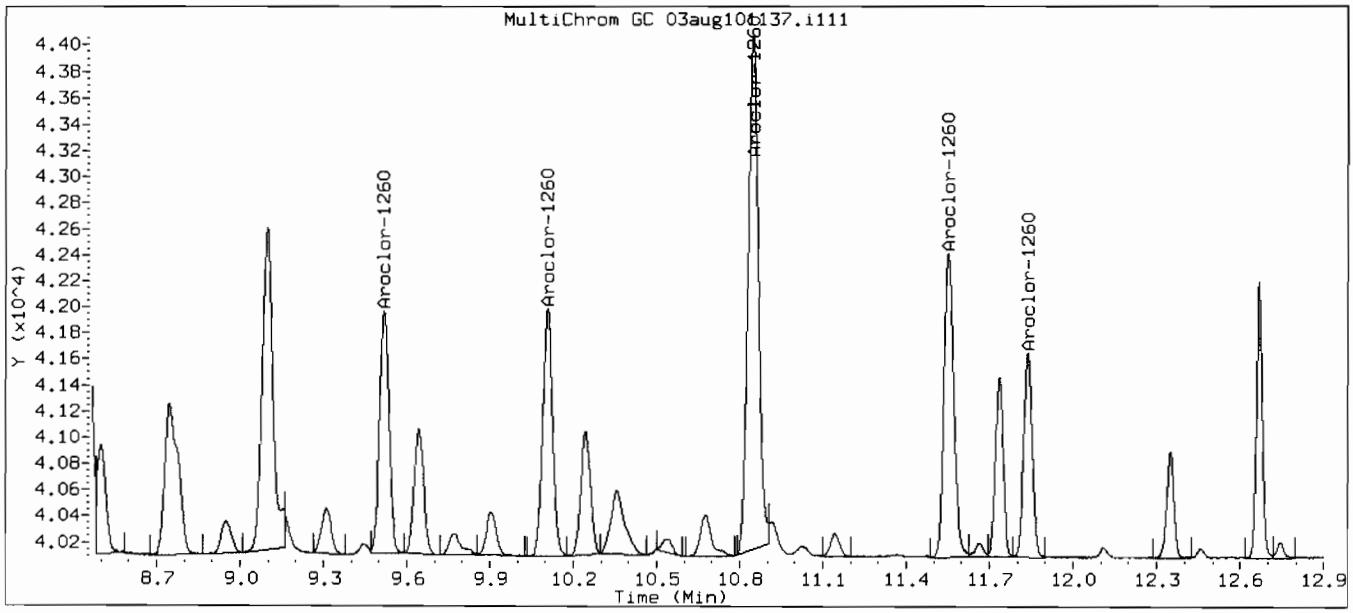
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r111.d
Client Sample ID: AR1660 50PPB
Compound Name: Aroclor-1260

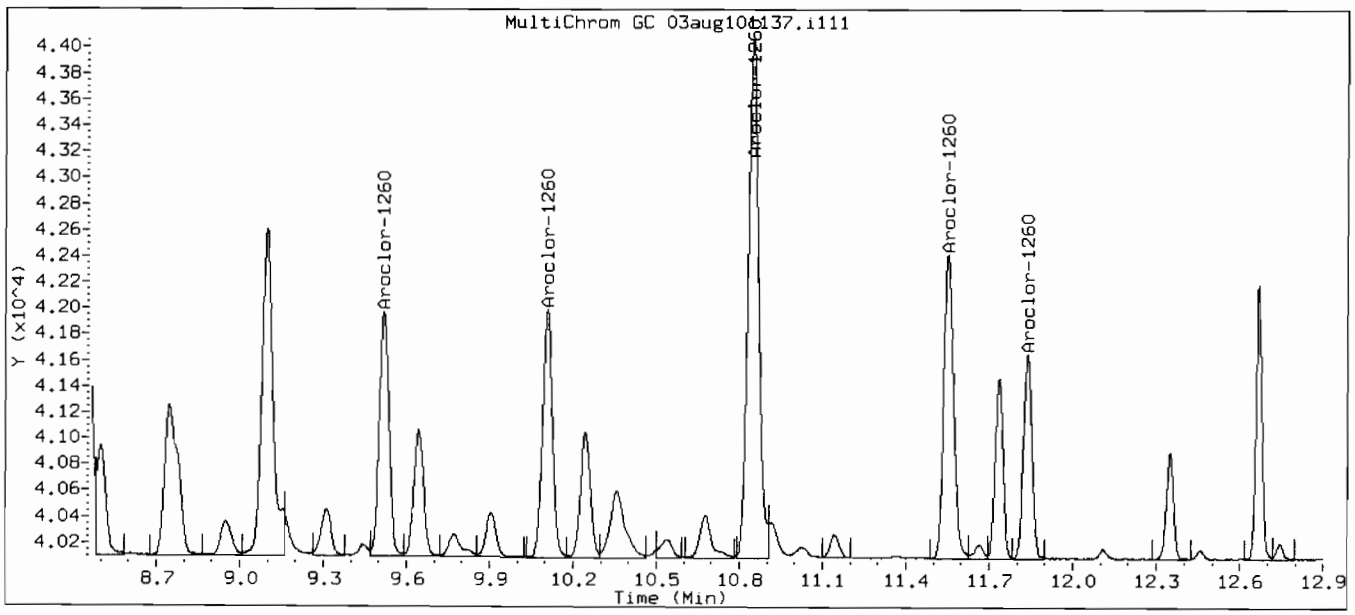
Inj. Date and Time: 03-AUG-2010 16:37
Instrument ID: 3283_1.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 9.5184 Height = 1858
RT = 10.1080 Height = 1893
RT = 10.8484 Height = 3912
RT = 11.5510 Height = 2331
RT = 11.8370 Height = 1563



Final Integration:

RT = 9.5184 Height = 1871
RT = 10.1058 Height = 1898
RT = 10.8484 Height = 3971
RT = 11.5510 Height = 2331
RT = 11.8370 Height = 1563

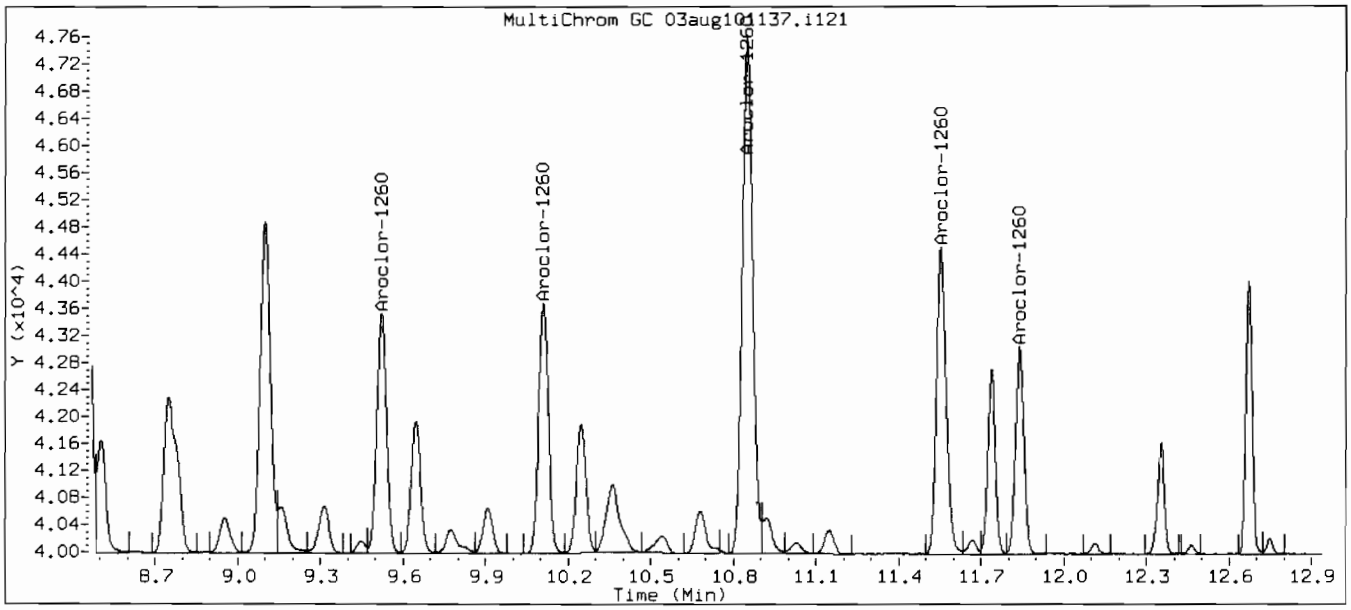
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r121.d
Client Sample ID: AR1660 100PPB
Compound Name: Aroclor-1260

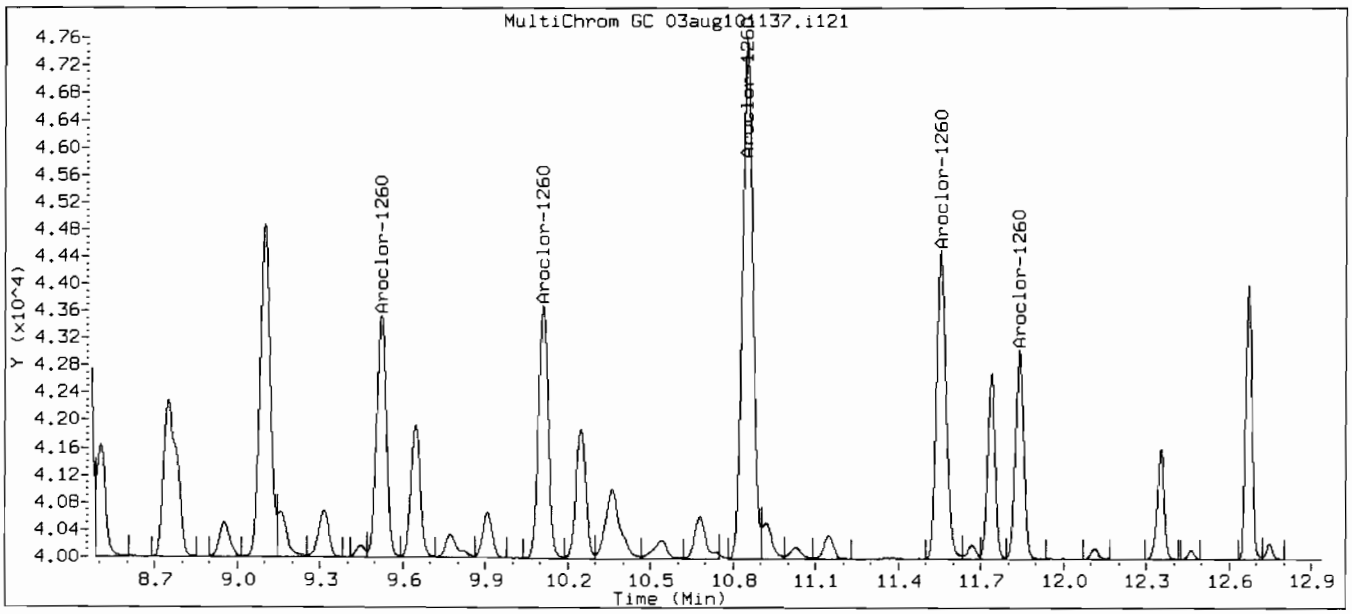
Inj. Date and Time: 03-AUG-2010 17:06
Instrument ID: 3283_1.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 9.5250 Height = 3539
RT = 10.1102 Height = 3697
RT = 10.8484 Height = 7622
RT = 11.5533 Height = 4524
RT = 11.8414 Height = 3066



Final Integration:

RT = 9.5250 Height = 3540
RT = 10.1102 Height = 3705
RT = 10.8484 Height = 7627
RT = 11.5533 Height = 4524
RT = 11.8414 Height = 3066

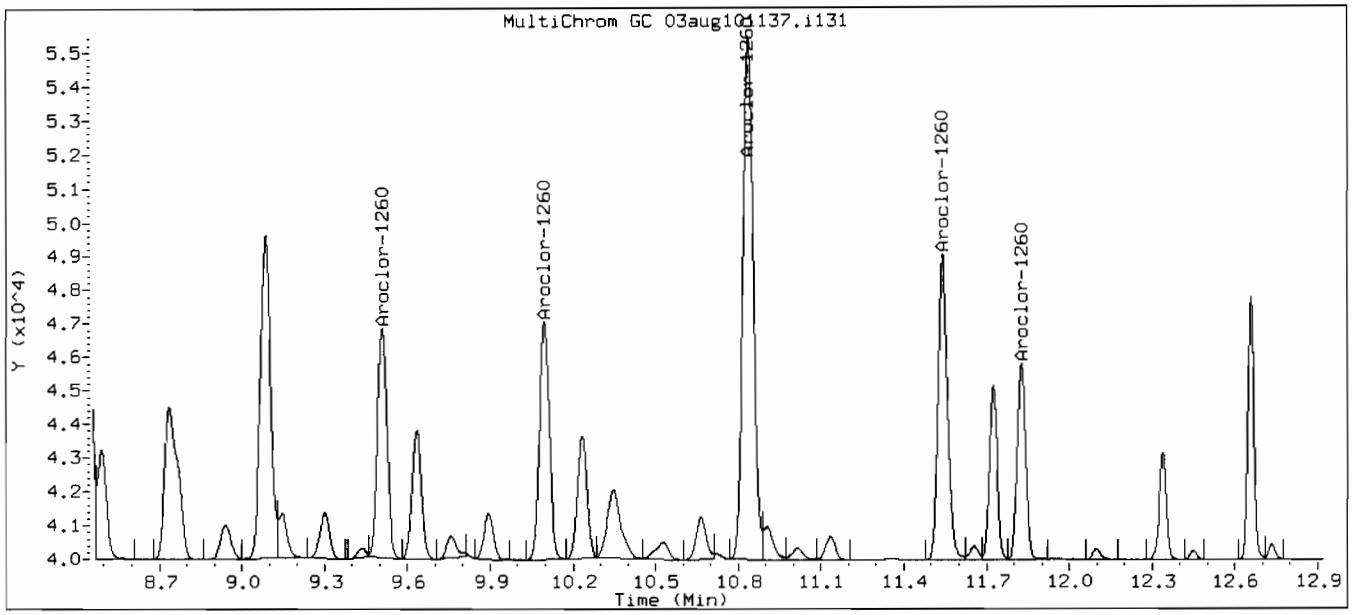
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r131.d
Client Sample ID: AR1660 200PPB
Compound Name: Aroclor-1260

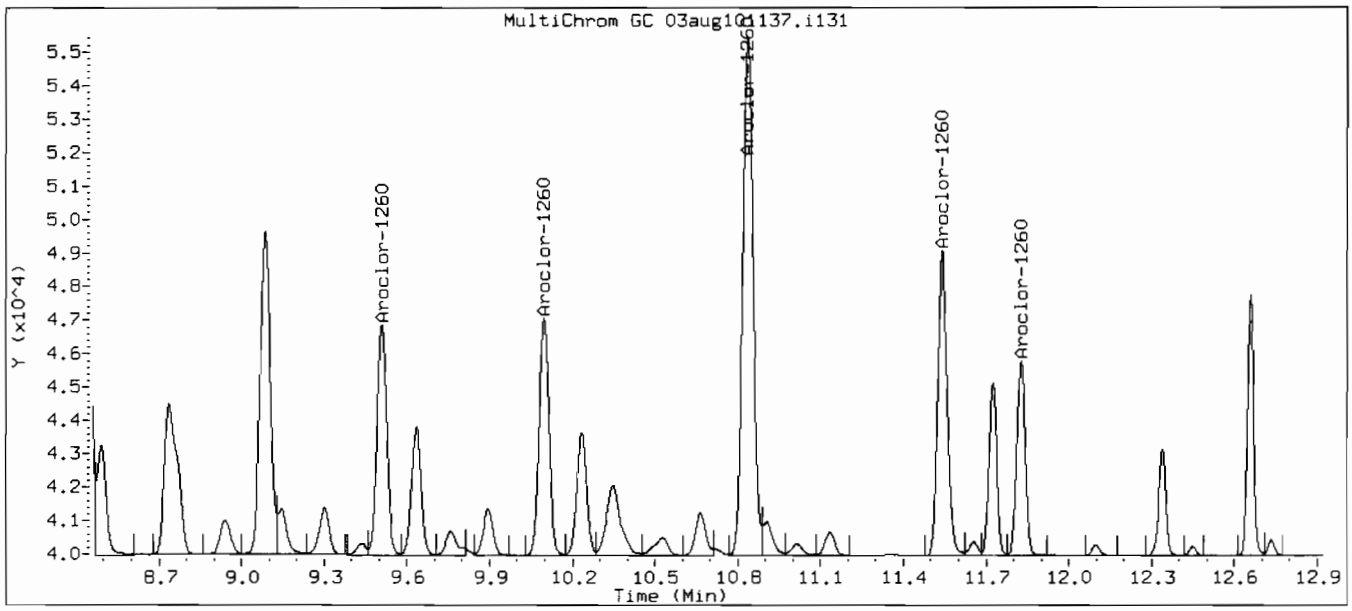
Inj. Date and Time: 03-AUG-2010 17:36
Instrument ID: 3283_1.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 9.5095 Height = 6828
RT = 10.0969 Height = 7075
RT = 10.8351 Height = 15429
RT = 11.5400 Height = 9084
RT = 11.8259 Height = 5800



Final Integration:

RT = 9.5095 Height = 6893
RT = 10.0969 Height = 7089
RT = 10.8351 Height = 15436
RT = 11.5400 Height = 9084
RT = 11.8259 Height = 5800

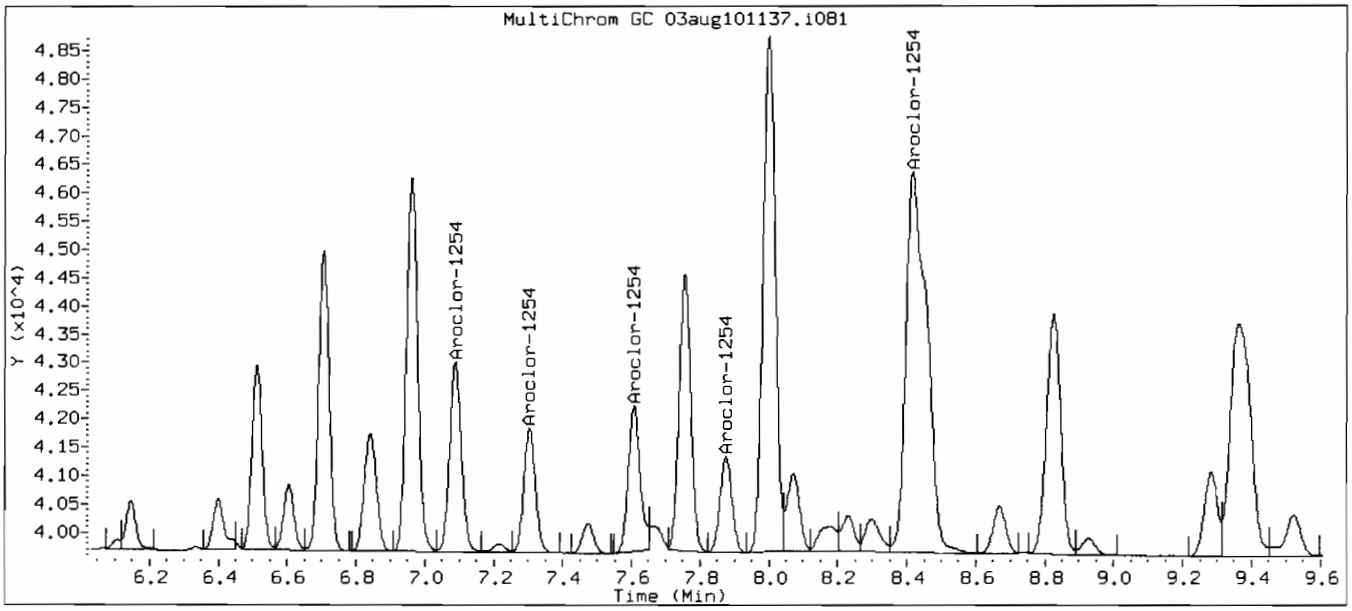
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r081.d
Client Sample ID: AR1254 200PPB
Compound Name: Aroclor-1254

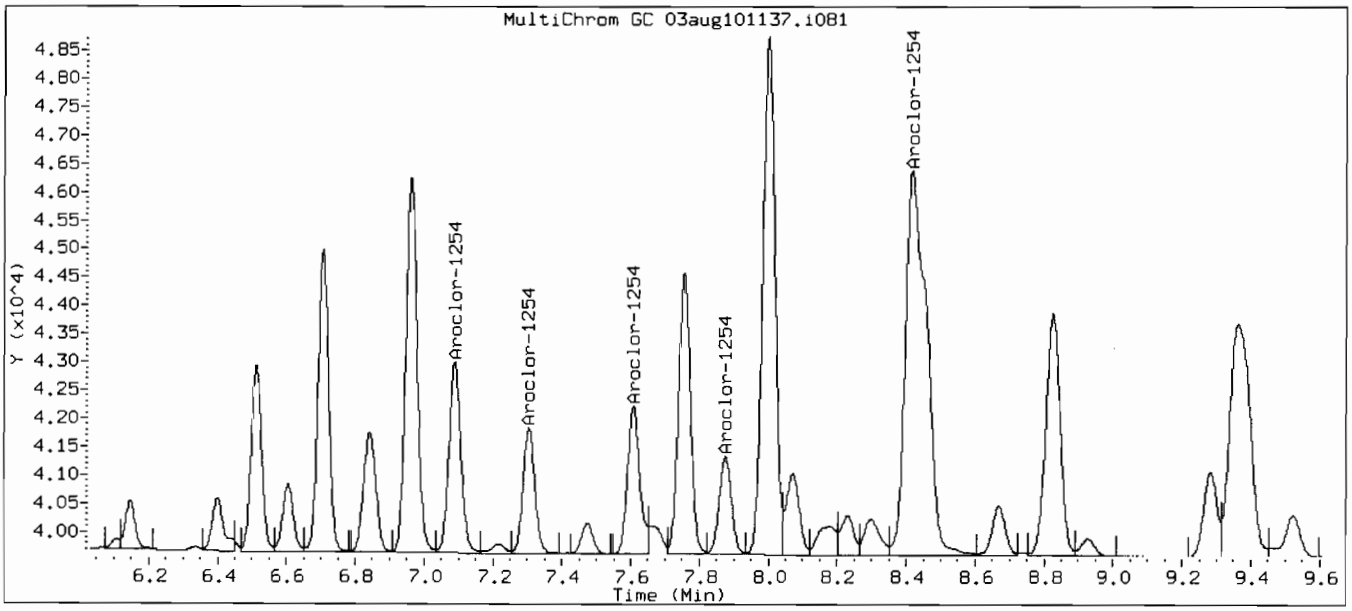
Inj. Date and Time: 03-AUG-2010 15:09
Instrument ID: 3283_2.i
CAS #: 11097-69-1

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:32



Original Integration:

RT = 7.0889 Height = 3353
RT = 7.3039 Height = 2206
RT = 7.6076 Height = 2565
RT = 7.8758 Height = 1686
RT = 8.4167 Height = 6722



Final Integration:

RT = 7.0889 Height = 3367
RT = 7.3039 Height = 2217
RT = 7.6076 Height = 2612
RT = 7.8758 Height = 1715
RT = 8.4167 Height = 6766

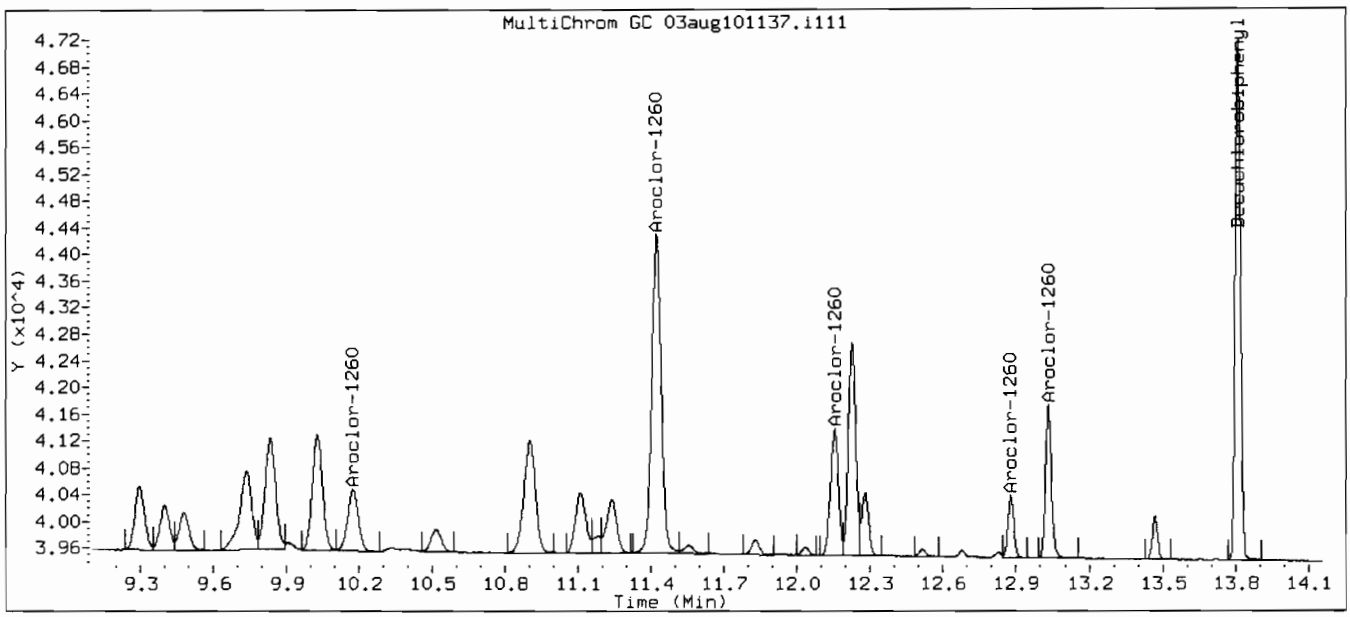
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r111.d
Client Sample ID: AR1660 50PPB
Compound Name: Aroclor-1260

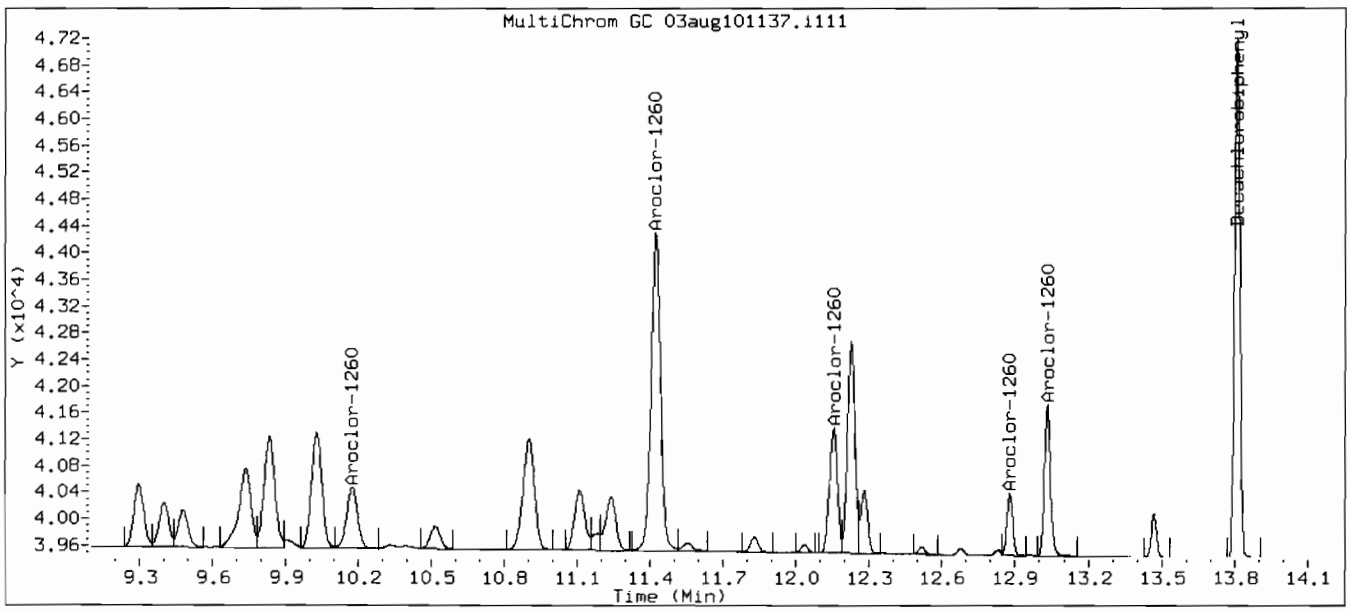
Inj. Date and Time: 03-AUG-2010 16:37
Instrument ID: 3283_2.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:32



Original Integration:

RT = 10.1767 Height = 916
RT = 11.4225 Height = 4782
RT = 12.1562 Height = 1888
RT = 12.8788 Height = 927
RT = 13.0318 Height = 2286



Final Integration:

RT = 10.1767 Height = 925
RT = 11.4225 Height = 4782
RT = 12.1562 Height = 1888
RT = 12.8788 Height = 927
RT = 13.0318 Height = 2286

Manual Integration Reason: Baseline event

Organic Prep Worksheet

Batch Number: 200-4726
Method: 3550B
Analyst: Nye, Elizabeth A

Date Open: Aug 04 2010 12:15PM
Batch End: Aug 04 2010 12:27PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00005	EX8081SUw_00008
MB~200-4726/1		3550B, 3660B, 8082		30.09 g	10000 uL		1.0 mL
LCS~200-4726/2		3550B, 3660B, 8082		30.06 g	10000 uL	1.0 mL	1.0 mL
200-978-A-1	TS10102	3550B, 3660B, 8082	T	30.43 g	10000 uL		1.0 mL

Prep Solvent Volume Used:	300 mL mL
Person's name who did the concentration:	Elizabeth Nye
Person's name who witnessed reagent drop:	JoAnna Tebbetts
Na2SO4 Lot Number:	28637
Concentration Start Time:	1235
Concentration End Time:	1320
Balance ID:	L92017
Prep Solvent Name:	Acetone : Hexane
Prep Solvent Lot #:	30863 : 22044
Exchange Solvent Name:	Hexane
Exchange Solvent Lot #:	22044
Blank Soil Lot Number:	28637

Organic Prep Worksheet

Batch Number: 200-4743
Method: 3660B
Analyst: Nye, Elizabeth A

Date Open: Aug 04 2010 2:20PM
Batch End: Aug 04 2010 2:24PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Copper_S_00013
MB~200-4726/1-B				2 mL	2 mL	2 g
LCS~200-4726/2-B				2 mL	2 mL	2 g
200-978-A-1-B	TS10102		T	2 mL	2 mL	2 g

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ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-575-3732
Address: 10 S. Riverside Plaza, Suite 1900	Fax: 312-575-3700
City State Zip: Chicago, IL 60606	E-mail Address: eric.hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell Dam No. 2 TCRA	Project #: B0064536.0001.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature: [signature]

Preservative	E
Filtered (✓)	
# of Containers	~~2~~ 1
Container Information	8

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								REMARKS
TS10102	8/3/10	1130	x		S		X								
~~[illegible]~~	~~[illegible]~~		~~[illegible]~~		~~[illegible]~~		~~X~~								

MK 8/3/10

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment A = Air SL = Sludge
SO = Soil NL = NAPL / Oil SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: TEST AMERCIA LABS	Cooler Custody Seal	Printed Name: M. Rumler	Printed Name:	Printed Name: Greg Marion
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: [signature]
Specify Turnaround Requirements: STANDARD	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 080310 / 1630	Date/Time:	Date/Time: 8/4/10, 030

Login Sample Receipt Check List

Client: ARCADIS

Job Number: 200-978-1
SDG Number: KAL570

Login Number: 978
Creator: Marion, Greg T
List Number: 1

List Source: TestAmerica Burlington

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7ºC IR gun ID 96, CF= -1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093060***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/24/09***

Project Description : ***Analysis of 10 soil samples from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093060. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Desc. : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10026"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1400*
Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	97.81	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	82	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : *"TS10027"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1403*
Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	96.46	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	80	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093060***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10028"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1405***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.51	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	95	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : ***"TS10029"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1408***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.05	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	83	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093060*

Client: *ARCADIS of New York, Inc.*

Date Reported : *08/24/09*

Project Desc. : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10030"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1411*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.11	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	70	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : *"TS10031"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1415*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.43	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093060*

Client: *ARCADIS of New York, Inc.*

Date Reported : *08/24/09*

Project Desc. : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10032"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1418*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.55	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	89	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : *"TS10033"*
Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *08/05/09*
Sample Time : *1422*

Date Received : *08/10/09*
Sample Type : *soil*
KAR Sample No. : *093060-08*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	97.86	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	78	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	68	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093060***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10034"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1425***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-09***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	98.30	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	82	% spike recovery	EPA 8082	08/18/09	GMB	

Sample ID : ***"TS10035"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***08/05/09***

Sample Time : ***1430***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093060-10***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.16	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	89	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	74	% spike recovery	EPA 8082	08/18/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093060***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Sample Date :

Sample Time :

Date Received : ***08/10/09***

Sample Type : ***LMB-soil***

KAR Sample No. : ***093060-11***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	08/12/09	GMB	
PCB	See below		EPA 8082	08/18/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	08/18/09	GMB	
PCB Aroclors, total	NA		EPA 8082	08/18/09	GMB	
DCB (pest/PCB surr spk)	88	% spike recovery	EPA 8082	08/18/09	GMB	
TCMX (surr spk)	52	% spike recovery	EPA 8082	08/18/09	GMB	

KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093060***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/24/09***

Project Description : ***Analysis of 10 soil samples from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093060. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093060*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10026"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1400* **Sample No. :** *093060-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	97.81 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	82 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10027"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1403* **Sample No. :** *093060-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	96.46 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	80 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10028"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1405* **Sample No. :** *093060-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	95 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.51 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	81 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10029"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1408* **Sample No. :** *093060-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	83 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.05 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10030"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1411* **Sample No. :** *093060-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.11 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	70 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10031"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1415* **Sample No. :** *093060-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.43 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	78 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10032"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1418* **Sample No. :** *093060-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	89 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.55 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	81 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10033"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1422* **Sample No. :** *093060-08*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	78 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	97.86 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	68 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10034"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1425* **Sample No. :** *093060-09*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	98.30 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	82 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10035"*
Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *08/05/09* **Sample Type :** *soil*
Date Received : *08/10/09* **Time Sampled :** *1430* **Sample No. :** *093060-10*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	89 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
Dry weight solids	99.16 % by weight							0.0 %		5	SM 2540 B mod.	08/11/09	JAR		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	74 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093060*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of 10 soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank-Soil***
Sampled By : **Date Sampled :** **Sample Type :** *LMB-soil*
Date Received : *08/10/09* **Time Sampled :** **Sample No. :** *093060-11*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	88 % spike recovery								25-122	NA	EPA 8082	08/18/09	GMB		
PCB	See below										EPA 8082	08/18/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	08/18/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	08/18/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	08/18/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	08/18/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	08/18/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	08/18/09	GMB		
Prep, ECD	Completed										EPA 3545	08/12/09	GMB		
TCMX (surr spk)	52 % spike recovery								22-95	NA	EPA 8082	08/18/09	GMB		

BATCH QC REPORT

Printed : 02:22:20 PM, 08/24/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090811DW2	08/11/09	88.26							88.22	88.3	0.1 %		5	093026-13
Dry weight solids	090811DW2	08/11/09	99.16							99.17	99.15	0.0 %		5	093060-10
PCB Aroclor 1016	090806SO8	08/11/09	0	3633.7209	2507.7519	69.0 %	2265.6492	62.4 %	10.1 %				29-135	25	092908-01
PCB Aroclor 1260	090806SO8	08/11/09	0	3633.7209	2666.1822	73.4 %	2296.9961	63.2 %	14.9 %				29-135	25	092908-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS
Infrastructure, environment, facilities

ID#: 13990

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: ERIC HRITSUK
Telephone: 312-332-4937
Address: 30 W. MONROE
Fax:
City: CHICAGO State: IL Zip: 60603
E-mail Address: ERIC.HRITSUK@ARCADIS-US.COM
Project Name/Location (City, State): PLAINFIELD DAM
Project #: B0064536.0001
Sampler's Printed Name: M. E. KOLHAGEN
Sampler's Signature:

Preservative	E							
Filtered (✓)								
# of Containers	1							
Container Information	7							

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil, W - Water, SL - Sludge, SW - Sample Wipe, T - Tissue, A - Air, Other: _____

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	PCB							REMARKS
TS10026	8/5/09	1400		✓	SO								
TS10027		1403		✓									
TS10028		1405		✓									
TS10029		1408		✓									
TS10030		1411		✓									
TS10031		1415		✓									
TS10032		1418		✓									
TS10033		1422		✓									
TS10034		1425		✓									
TS10035		1430	✓										

Special Instructions/Comments:

☐ Special QA/QC Instructions(✓):

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: KAR	Cooler Custody Seal (✓)	Printed Name: BRI LAWRENCE	Printed Name: Sandy Mertz	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature: Sandy Mertz	Signature:	Signature:
Specify Turnaround Requirements: STANDARD	Sample Receipt:	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm:
Shipping Tracking #: DROPOFF	Condition/Cooler Temp: _____	Date/Time: 8/10/09 1545	Date/Time: 8-10-09 3:45 pm	Date/Time:	Date/Time:

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by BBL

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL472

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

August 26, 2009

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: KZOO; SDG: KAL472

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on August 11th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 08/11/09 ETR No: 133041		
803239	TS10036	08/10/09	SOIL
803240	TS10037	08/10/09	SOIL
803240MS	TS10037MS	08/10/09	SOIL
803240MD	TS10037MSD	08/10/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The initial volatile organic calibration curve identified as NVX081909 yielded responses for chloroethane and acetone outside control criteria. These compounds were not detected in the associated field samples.

The volatile organic analysis of blank spike sample NA082009LCS yielded marginally low recovery of trans-1,3-Dichloropropene. This compound was not detected in the noted field samples.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 081009.1

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax:
City State Zip: Chicago, IL 60603	E-mail Address: Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell No.2 Dam TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Ben Lawrence	Sampler's Signature: [signature]

Preservative	E	F	E
Filtered (✓)	-	-	-
# of Containers	2	1	4
Container Information	1	1	8

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		VOC's (SW-846 8260)	SVOC's (SW-846 8270)	Chlorinated Pesticides (SW-846 8081)	RCRA Metals	PCB (SW-846 8082)	REMARKS
TS10036	8/10/09	1130	X		SO		X	X	X	X	X	
TS10037	8/10/09	1130	X		SO		X	X	X	X	X	Additional 4 oz if needed

KEYS

Preservation Key:
A. H2S04
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America - South Burlington	Cooler Custody Seal (✓)	Printed Name: Ben Lawrence	Printed Name:	Printed Name: Chris Kalb
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: [signature]
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: TA Burlington
Fed-Ex Tracking #: 7968 4723 5175	Condition/Cooler Temp:	Date/Time: 8/10/09	Date/Time:	Date/Time: 8/11/09 1025

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10036

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL472

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 803239

Matrix: SOIL

Client: BBLKAL

Date Received: 08/11/09

% Solids: 99.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	08/12/09		%	1	0.10	99.7	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10037

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL472

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 803240

Matrix: SOIL

Client: BBLKAL

Date Received: 08/11/09

% Solids: 95.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	08/12/09		%	1	0.10	95.0	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

SOW No.:

EPA Sample No.	Lab Sample ID.
TS10036	803239
TS10037	803240
TS10037D	803240DP
TS10037S	803240MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10036

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Lab Sample ID: 803239

Level (low/med): LOW Date Received: 08/11/09

% Solids: 99.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.053	U		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	7.6	B		P
7440-43-9	Cadmium	0.12	B		P
7440-47-3	Chromium	7.6			P
7439-97-6	Mercury	0.014	U		CV
7439-92-1	Lead	2.3			P
7782-49-2	Selenium	0.19	B		P

Color Before: gray Clarity Before: Texture: coarse

Color After: colorless Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10037

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Lab Sample ID: 803240

Level (low/med): LOW Date Received: 08/11/09

% Solids: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.049	U		P
7440-38-2	Arsenic	4.9			P
7440-39-3	Barium	59.4			P
7440-43-9	Cadmium	0.048	B		P
7440-47-3	Chromium	8.6			P
7439-97-6	Mercury	0.013	U		CV
7439-92-1	Lead	5.6			P
7782-49-2	Selenium	0.14	U		P

Color Before: brown Clarity Before: Texture: coarse

Color After: yellow Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.20	106.7	5.0	5.18	103.6	5.27	105.4	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				5.0	5.22	104.4			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	498.90	99.8	100.0	98.76	98.8	99.09	99.1	P
Arsenic	250.0	264.20	105.7	100.0	100.20	100.2	98.02	98.0	P
Barium	500.0	500.30	100.1	200.0	192.10	96.0	196.50	98.2	P
Cadmium	500.0	496.80	99.4	100.0	98.96	99.0	99.50	99.5	P
Chromium	500.0	503.10	100.6	200.0	193.90	97.0	193.70	96.8	P
Lead	1000.0	975.90	97.6	400.0	386.90	96.7	383.10	95.8	P
Selenium	250.0	255.80	102.3	100.0	101.60	101.6	98.73	98.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	6.60	66.0		
Arsenic				10.0	10.46	104.6		
Barium				200.0	192.00	96.0		
Cadmium				5.0	4.85	97.0		
Chromium				10.0	10.00	100.0		
Lead				10.0	8.01	80.1		
Selenium				35.0	31.59	90.3		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	-0.1	B	-0.2	B	0.1	U	-0.023	B	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.5	U	0.5	U	-0.7	B			0.054	U	P
Arsenic	2.1	U	2.1	U	2.1	U			0.210	U	P
Barium	3.1	U	3.1	U	3.1	U			0.310	U	P
Cadmium	-0.3	B	0.2	U	-0.3	B			0.018	U	P
Chromium	0.2	U	0.2	U	0.2	U			0.029	B	P
Lead	-1.9	B	-2.5	B	-1.8	B			-0.150	B	P
Selenium	1.5	U	-1.7	B	1.8	B			0.150	U	P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	208	0	215.3	103.5			
Arsenic	0	95	-4	96.8	101.9			
Barium	0	481	2	478.9	99.6			
Cadmium	0	987	0	1003.0	101.6			
Chromium	0	486	0	495.2	101.9			
Lead	0	48	-5	47.2	98.3			
Selenium	0	52	0	49.0	94.2			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10037S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	85 - 115	0.1482		0.0128	U	0.14	105.9		CV

Comments:

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

TS10037D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 95.0 % Solids for Duplicate: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0128	U	0.0164	U			CV

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL472

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL472

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	26.3		20.0	30.0	105.2
Arsenic				24.0	24.7		19.2	28.8	102.9
Barium				200.0	206.3		160.0	240.0	103.2
Cadmium				25.0	25.6		20.0	30.0	102.4
Chromium				20.0	21.0		16.0	24.0	105.0
Lead				22.0	22.6		17.6	26.4	102.7
Selenium				25.0	24.1		20.0	30.0	96.4

9

ICP SERIAL DILUTIONS

SAMPLE NO.

TS10036L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.54	U	2.70	U			P
Arsenic	24.79		29.56	B	19.2		P
Barium	76.86	B	73.71	B	4.1		P
Cadmium	1.18	B	2.15	B	82.2		P
Chromium	77.63		80.76		4.0		P
Lead	23.41		19.32	B	17.5		P
Selenium	1.90	B	8.55	B	350.0		P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: Date: 07/22/09

Flame AA ID Number: Leeman Hydra AA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.54	P
Arsenic	189.042		10	2.1	P
Barium	493.409		200	3.1	P
Cadmium	226.502		5	0.18	P
Chromium	267.716		10	0.19	P
Lead	220.353		10	1.4	P
Selenium	196.026		35	1.5	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0006600	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0743217	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0001518	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001225
Molybdenum	202.030	0.0447130	0.0042559	0.0018500	0.0086269	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0024136	-0.0001264
Vanadium	292.402	0.0000000	0.0000000	0.0083899	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000169	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0105618	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0001866
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0129523	0.0000000	0.0000000	0.0000000	0.0001258
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0003715	0.0290852	0.0000000	0.0000000	-0.0023139
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000374
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0006516	0.0000000	0.0020829
Vanadium	292.402	0.0000000	0.0000000	0.0007609	0.0000991	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0003811	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000111	0.0000000	0.0000000	0.0000421
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000168	0.0000000	0.0000000
Manganese	257.610	0.0001367	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0007021	0.0005166	0.0000000	0.0000000	0.0002643
Nickel	231.604	-0.0001397	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000840	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000795	0.0000000	0.0000162	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0005832	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0017004	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0087800	0.0000000	0.0016815	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0023884
Copper	324.754	-0.0007823	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000226	0.0000318	0.0000147	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0002184	0.0000000	0.0009629	0.0000000	0.0005791
Molybdenum	202.030	-0.0023731	-0.0007787	0.0001642	0.0067559	0.0000000
Nickel	231.604	0.0002095	-0.0001417	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0049112	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0006655	-0.0002595	0.0000000	0.0066419	-0.0010827
Vanadium	292.402	-0.0000610	-0.0028037	0.0000000	0.0015099	-0.0002663
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000127			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0003952			
Iron	271.441	0.0000319	0.0000814			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000303			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0161925	-0.0001384			
Nickel	231.604	0.0000000	0.0061855			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0011538	-0.0005608			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	5000.0	P

Comments:

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS081309A	08/13/09	0.50	50.0
PBS081309A	08/13/09	0.30	50.0
TS10036	08/13/09	0.36	50.0
TS10037	08/13/09	0.41	50.0
TS10037D	08/13/09	0.32	50.0
TS10037S	08/13/09	0.38	50.0

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL472

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS081409B	08/14/09	1.00	100.0
PBS081409B	08/14/09	1.00	100.0
TS10036	08/14/09	1.02	100.0
TS10037	08/14/09	1.17	100.0

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 08/17/09 End Date: 08/17/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0926																X									
S0.2	1.00	0928																X									
S0.5	1.00	0930																X									
S1	1.00	0932																X									
S5	1.00	0934																X									
S10	1.00	0936																X									
ICV	1.00	0938																X									
ICB	1.00	0940																X									
CCV	1.00	0941																X									
CCB	1.00	0943																X									
PBS081309A	1.00	0945																X									
LCSS081309A	1.00	0947																X									
ZZZZZZ	1.00	0949																									
ZZZZZZ	1.00	0951																									
ZZZZZZ	1.00	0953																									
ZZZZZZ	1.00	0955																									
ZZZZZZ	1.00	0957																									
ZZZZZZ	1.00	0959																									
ZZZZZZ	1.00	1001																									
CCV	1.00	1003																X									
CCB	1.00	1005																X									
ZZZZZZ	1.00	1007																									
ZZZZZZ	1.00	1009																									
ZZZZZZ	1.00	1011																									
ZZZZZZ	1.00	1013																									
TS10036	1.00	1015																X									
TS10037	1.00	1016																X									
TS10037S	1.00	1018																X									
TS10037D	1.00	1020																X									
ZZZZZZ	1.00	1022																									
CCV	1.00	1024																X									
CCB	1.00	1026																X									

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 08/20/09 End Date: 08/20/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1505				X	X		X		X				X						X	X					
STD7	1.00	1509																									
STD8	1.00	1513				X									X						X						
STD4	1.00	1517					X		X		X											X					
ICV	1.00	1521				X	X		X		X				X						X	X					
ICB	1.00	1525				X	X		X		X				X						X	X					
ICSA	1.00	1529				X	X		X		X				X						X	X					
ICSAB	1.00	1533				X	X		X		X				X						X	X					
CRI	1.00	1536				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1540																									
CCV	1.00	1544				X	X		X		X				X						X	X					
CCB	1.00	1548				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1552																									
ZZZZZZ	1.00	1556																									
PBS081409B	1.00	1600				X	X		X		X				X						X	X					
LCSS081409B	1.00	1604				X	X		X		X				X						X	X					
TS10036	1.00	1608				X	X		X		X				X						X	X					
TS10036L	5.00	1612				X	X		X		X				X						X	X					
TS10037	1.00	1616				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1620																									
ZZZZZZ	5.00	1624																									
ZZZZZZ	1.00	1627																									
CCV	1.00	1631				X	X		X		X				X						X	X					
CCB	1.00	1635				X	X		X		X				X						X	X					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	4.5	U
74-87-3	Chloromethane	4.5	U
75-01-4	Vinyl Chloride	4.5	U
74-83-9	Bromomethane	4.5	U
75-00-3	Chloroethane	4.5	U
75-69-4	Trichlorofluoromethane	4.5	U
75-35-4	1,1-Dichloroethene	4.5	U
76-13-1	Freon TF	4.5	U
67-64-1	Acetone	4.5	U
75-15-0	Carbon Disulfide	4.5	U
75-09-2	Methylene Chloride	4.5	U
156-60-5	trans-1,2-Dichloroethene	4.5	U
1634-04-4	Methyl-t-Butyl Ether	4.5	U
75-34-3	1,1-Dichloroethane	4.5	U
156-59-2	cis-1,2-Dichloroethene	4.5	U
78-93-3	2-Butanone	4.5	U
74-97-5	Bromochloromethane	4.5	U
67-66-3	Chloroform	4.5	U
71-55-6	1,1,1-Trichloroethane	4.5	U
56-23-5	Carbon Tetrachloride	4.5	U
71-43-2	Benzene	4.5	U
107-06-2	1,2-Dichloroethane	4.5	U
79-01-6	Trichloroethene	4.5	U
78-87-5	1,2-Dichloropropane	4.5	U
75-27-4	Bromodichloromethane	4.5	U
10061-01-5	cis-1,3-Dichloropropene	4.5	U
108-10-1	4-Methyl-2-pentanone	4.5	U
108-88-3	Toluene	4.5	U
10061-02-6	trans-1,3-Dichloropropene	4.5	U
79-00-5	1,1,2-Trichloroethane	4.5	U
127-18-4	Tetrachloroethene	4.5	U
591-78-6	2-Hexanone	4.5	U
124-48-1	Dibromochloromethane	4.5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	4.5	U
108-90-7	Chlorobenzene	4.5	U
100-41-4	Ethylbenzene	4.5	U
1330-20-7	Xylene (total)	4.5	U
100-42-5	Styrene	4.5	U
75-25-2	Bromoform	4.5	U
98-82-8	Isopropylbenzene	4.5	U
79-34-5	1,1,2,2-Tetrachloroethane	4.5	U
541-73-1	1,3-Dichlorobenzene	4.5	U
106-46-7	1,4-Dichlorobenzene	4.5	U
95-50-1	1,2-Dichlorobenzene	4.5	U
96-12-8	1,2-Dibromo-3-Chloropropane	4.5	U
120-82-1	1,2,4-Trichlorobenzene	4.5	U
87-61-6	1,2,3-Trichlorobenzene	4.5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 5.5 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. 5 Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	4.7	U
74-87-3	Chloromethane	4.7	U
75-01-4	Vinyl Chloride	4.7	U
74-83-9	Bromomethane	4.7	U
75-00-3	Chloroethane	4.7	U
75-69-4	Trichlorofluoromethane	4.7	U
75-35-4	1,1-Dichloroethene	4.7	U
76-13-1	Freon TF	4.7	U
67-64-1	Acetone	4.7	U
75-15-0	Carbon Disulfide	4.7	U
75-09-2	Methylene Chloride	4.7	U
156-60-5	trans-1,2-Dichloroethene	4.7	U
1634-04-4	Methyl-t-Butyl Ether	4.7	U
75-34-3	1,1-Dichloroethane	4.7	U
156-59-2	cis-1,2-Dichloroethene	4.7	U
78-93-3	2-Butanone	4.7	U
74-97-5	Bromochloromethane	4.7	U
67-66-3	Chloroform	4.7	U
71-55-6	1,1,1-Trichloroethane	4.7	U
56-23-5	Carbon Tetrachloride	4.7	U
71-43-2	Benzene	4.7	U
107-06-2	1,2-Dichloroethane	4.7	U
79-01-6	Trichloroethene	4.7	U
78-87-5	1,2-Dichloropropane	4.7	U
75-27-4	Bromodichloromethane	4.7	U
10061-01-5	cis-1,3-Dichloropropene	4.7	U
108-10-1	4-Methyl-2-pentanone	4.7	U
108-88-3	Toluene	4.7	U
10061-02-6	trans-1,3-Dichloropropene	4.7	U
79-00-5	1,1,2-Trichloroethane	4.7	U
127-18-4	Tetrachloroethene	4.7	U
591-78-6	2-Hexanone	4.7	U
124-48-1	Dibromochloromethane	4.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. 5 Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	4.7	U
108-90-7	Chlorobenzene	4.7	U
100-41-4	Ethylbenzene	4.7	U
1330-20-7	Xylene (total)	4.7	U
100-42-5	Styrene	4.7	U
75-25-2	Bromoform	4.7	U
98-82-8	Isopropylbenzene	4.7	U
79-34-5	1,1,2,2-Tetrachloroethane	4.7	U
541-73-1	1,3-Dichlorobenzene	4.7	U
106-46-7	1,4-Dichlorobenzene	4.7	U
95-50-1	1,2-Dichlorobenzene	4.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	4.7	U
120-82-1	1,2,4-Trichlorobenzene	4.7	U
87-61-6	1,2,3-Trichlorobenzene	4.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 5.6 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: not dec. 5 Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK082009NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVXB03A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK082009NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVXB03A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK082009NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVXB03A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA082009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: NA082009LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVX50AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	57	
74-87-3	Chloromethane	64	
75-01-4	Vinyl Chloride	61	
74-83-9	Bromomethane	65	
75-00-3	Chloroethane	66	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	52	
76-13-1	Freon TF	49	
67-64-1	Acetone	42	
75-15-0	Carbon Disulfide	63	
75-09-2	Methylene Chloride	64	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl-t-Butyl Ether	50	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	51	
78-93-3	2-Butanone	50	
74-97-5	Bromochloromethane	55	
67-66-3	Chloroform	51	
71-55-6	1,1,1-Trichloroethane	51	
56-23-5	Carbon Tetrachloride	51	
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	52	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	52	
75-27-4	Bromodichloromethane	54	
10061-01-5	cis-1,3-Dichloropropene	54	
108-10-1	4-Methyl-2-pentanone	57	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	42	
79-00-5	1,1,2-Trichloroethane	43	
127-18-4	Tetrachloroethene	45	
591-78-6	2-Hexanone	51	
124-48-1	Dibromochloromethane	44	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA082009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: NA082009LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NVX50AQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/20/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	44	
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	53	
1330-20-7	Xylene (total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	47	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	51	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	50	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	51	
120-82-1	1,2,4-Trichlorobenzene	50	
87-61-6	1,2,3-Trichlorobenzene	50	

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NA082009LCS	101	94	101	100	0
02	MBLK082009NA	110	102	106	102	0
03	TS10036	110	100	103	99	0
04	TS10037	108	101	105	100	0
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - Sample No.: NA082009LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		110	110	80-120
Xylene (o)	50		53	106	85-120
Dichlorodifluoromethane	50		57	114	30-180
Chloromethane	50		64	128	55-150
Vinyl Chloride	50		61	122	65-145
Bromomethane	50		65	130	65-145
Chloroethane	50		66	132	70-135
Trichlorofluoromethane	50		46	92	70-140
1,1-Dichloroethene	50		52	104	75-135
Freon TF	50		49	98	75-140
Acetone	50		42	84	50-130
Carbon Disulfide	50		63	126	80-135
Methylene Chloride	50		64	128	75-140
trans-1,2-Dichloroethen	50		53	106	80-130
Methyl-t-Butyl Ether	50		50	100	85-130
1,1-Dichloroethane	50		51	102	85-120
cis-1,2-Dichloroethene	50		51	102	80-120
2-Butanone	50		50	100	70-135
Bromochloromethane	50		55	110	75-125
Chloroform	50		51	102	85-120
1,1,1-Trichloroethane	50		51	102	80-115
Carbon Tetrachloride	50		51	102	80-115
Benzene	50		53	106	85-120
1,2-Dichloroethane	50		52	104	75-120
Trichloroethene	50		52	104	85-120
1,2-Dichloropropane	50		52	104	85-120
Bromodichloromethane	50		54	108	80-115
cis-1,3-Dichloropropene	50		54	108	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - Sample No.: NA082009LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		57	114	65-135
Toluene	50		50	100	75-125
trans-1,3-Dichloroprope	50		42	84*	85-120
1,1,2-Trichloroethane	50		43	86	75-125
Tetrachloroethene	50		45	90	85-120
2-Hexanone	50		51	102	70-135
Dibromochloromethane	50		44	88	80-120
1,2-Dibromoethane	50		44	88	80-120
Chlorobenzene	50		51	102	80-120
Ethylbenzene	50		53	106	80-120
Xylene (total)	150		160	107	85-120
Styrene	50		53	106	80-125
Bromoform	50		47	94	75-130
Isopropylbenzene	50		50	100	85-120
1,1,2,2-Tetrachloroetha	50		51	102	75-125
1,3-Dichlorobenzene	50		51	102	80-120
1,4-Dichlorobenzene	50		50	100	85-120
1,2-Dichlorobenzene	50		52	104	85-120
1,2-Dibromo-3-Chloropro	50		51	102	65-130
1,2,4-Trichlorobenzene	50		50	100	80-125
1,2,3-Trichlorobenzene	50		50	100	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 49 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK082009NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: NVXB03A Lab Sample ID: MBLK082009NA

Date Analyzed: 08/20/09 Time Analyzed: 1237

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA082009LCS	NA082009LCS	NVX50AQ	1110
02	TS10036	803239	803239	1324
03	TS10037	803240	803240	1354
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COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: NVX01PV BFB Injection Date: 08/19/09

Instrument ID: N BFB Injection Time: 1559

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	65.5
175	5.0 - 9.0% of mass 174	4.8 (7.3)1
176	95.0 - 101.0% of mass 174	64.5 (98.5)1
177	5.0 - 9.0% of mass 176	4.4 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NVX005V	08/19/09	1652
02	VSTD020	VSTD020	NVX020V	08/19/09	1722
03	VSTD050	VSTD050	NVX050V	08/19/09	1753
04	VSTD100	VSTD100	NVX100V	08/19/09	1823
05	VSTD200	VSTD200	NVX200V	08/19/09	1853
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: NVX02PV BFB Injection Date: 08/20/09

Instrument ID: N BFB Injection Time: 0946

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	64.8
175	5.0 - 9.0% of mass 174	4.9 (7.6)1
176	95.0 - 101.0% of mass 174	63.0 (97.2)1
177	5.0 - 9.0% of mass 176	4.4 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	NVX50AV	08/20/09	1039
02	NA082009LCS	NA082009LCS	NVX50AQ	08/20/09	1110
03	MBLK082009NA	MBLK082009NA	NVXB03A	08/20/09	1237
04	TS10036	803239	803239	08/20/09	1324
05	TS10037	803240	803240	08/20/09	1354
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FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Calibration Time(s): 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NVX005V RRF20 =NVX020V
RRF50 =NVX050V RRF100=NVX100V RRF200=NVX200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	* 0.955	0.868	0.950	0.965	0.942	0.936	4.2*
Chloromethane	* 0.448	0.395	0.429	0.441	0.448	0.432	5.1*
Vinyl Chloride	* 0.446	0.424	0.451	0.475	0.466	0.452	4.3*
Bromomethane	* 0.342	0.341	0.358	0.369	0.370	0.356	4.0*
Chloroethane	* 0.296	0.263	0.260	0.258	0.189	0.253	15.5*<-
Trichlorofluoromethane	* 0.843	0.837	0.809	0.923	1.083	0.899	12.4*
1,1-Dichloroethene	* 0.305	0.316	0.298	0.304	0.357	0.316	7.5*
Freon TF	* 0.709	0.731	0.690	0.675	0.674	0.696	3.5*
Acetone	* 0.095	0.064	0.070	0.059	0.061	0.070	20.9*<-
Carbon Disulfide	* 1.065	1.112	1.178	1.258	1.257	1.174	7.3*
Methylene Chloride	* 0.374	0.384	0.411	0.433	0.436	0.408	6.8*
trans-1,2-Dichloroethene	* 0.330	0.346	0.328	0.325	0.329	0.332	2.5*
Methyl-t-Butyl Ether	* 0.679	0.704	0.682	0.652	0.634	0.670	4.1*
1,1-Dichloroethane	* 0.645	0.653	0.610	0.617	0.628	0.631	2.9*
cis-1,2-Dichloroethene	* 0.343	0.360	0.340	0.344	0.349	0.347	2.3*
2-Butanone	* 0.027	0.026	0.027	0.025	0.026	0.026	3.3*
Bromochloromethane	* 0.243	0.254	0.262	0.282	0.295	0.267	8.0*
Chloroform	* 0.697	0.716	0.678	0.697	0.681	0.694	2.2*
1,1,1-Trichloroethane	* 0.631	0.679	0.636	0.640	0.656	0.648	3.0*
Carbon Tetrachloride	* 0.618	0.662	0.629	0.638	0.648	0.639	2.6*
Benzene	* 0.824	0.879	0.831	0.832	0.805	0.834	3.3*
1,2-Dichloroethane	* 0.389	0.400	0.385	0.380	0.380	0.387	2.1*
Trichloroethene	* 0.486	0.520	0.503	0.504	0.507	0.504	2.4*
1,2-Dichloropropane	* 0.447	0.461	0.440	0.438	0.436	0.444	2.3*
Bromodichloromethane	* 0.829	0.858	0.859	0.865	0.882	0.859	2.2*
cis-1,3-Dichloropropene	* 0.683	0.697	0.675	0.694	0.705	0.691	1.7*
4-Methyl-2-pentanone	* 0.404	0.356	0.380	0.344	0.383	0.373	6.4*
Toluene	* 0.662	0.736	0.688	0.671	0.662	0.684	4.5*
trans-1,3-Dichloropropene	* 0.464	0.543	0.504	0.506	0.518	0.507	5.6*
1,1,2-Trichloroethane	* 0.254	0.305	0.290	0.283	0.288	0.284	6.6*
Tetrachloroethene	* 0.444	0.529	0.500	0.488	0.508	0.494	6.4*
2-Hexanone	* 0.233	0.213	0.226	0.213	0.226	0.222	3.9*
Dibromochloromethane	* 0.578	0.687	0.647	0.650	0.659	0.644	6.3*
1,2-Dibromoethane	* 0.489	0.575	0.551	0.550	0.572	0.547	6.3*
Chlorobenzene	* 0.925	1.004	0.969	0.979	0.974	0.970	3.0*
Ethylbenzene	* 1.543	1.593	1.529	1.593	1.464	1.544	3.5*
Xylene (total)	* 0.582	0.588	0.578	0.600	0.542	0.578	3.8*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Calibration Time(s): 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NVX005V RRF20 =NVX020V
RRF50 =NVX050V RRF100=NVX100V RRF200=NVX200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene *	0.974	1.008	0.990	1.036	0.935	0.989	3.8*
Bromoform *	0.425	0.501	0.508	0.515	0.534	0.497	8.4*
Isopropylbenzene *	2.765	2.916	2.724	2.787	2.838	2.806	2.6*
1,1,2,2-Tetrachloroethane *	0.980	1.121	1.098	1.067	1.144	1.082	5.9*
1,3-Dichlorobenzene *	1.370	1.459	1.432	1.442	1.456	1.432	2.5*
1,4-Dichlorobenzene *	1.500	1.578	1.562	1.561	1.546	1.549	1.9*
1,2-Dichlorobenzene *	1.275	1.350	1.330	1.322	1.315	1.318	2.1*
1,2-Dibromo-3-Chloropropane *	0.280	0.295	0.308	0.303	0.311	0.299	4.1*
1,2,4-Trichlorobenzene *	1.020	1.077	1.088	1.070	1.071	1.065	2.5*
1,2,3-Trichlorobenzene *	0.921	0.950	0.975	0.969	0.983	0.960	2.6*
1,2-Dichloroethane-d4 *	0.313	0.319	0.313	0.314	0.315	0.315	0.8*
Toluene-d8 *	0.998	1.080	1.026	1.004	1.016	1.025	3.2*
Bromofluorobenzene *	1.322	1.396	1.328	1.362	1.356	1.353	2.2*
1,2-Dichlorobenzene-d4 *	0.872	0.892	0.883	0.884	0.876	0.881	0.9*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date: 08/20/09 Time: 1039

Lab File ID: NVX50AV Init. Calib. Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Init. Calib. Times: 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.936	0.833		11.0	20.0
Chloromethane	0.432	0.367	0.1	15.0	20.0
Vinyl Chloride	0.452	0.403		10.8	20.0
Bromomethane	0.356	0.321		9.8	20.0
Chloroethane	0.253	0.235		7.1	20.0
Trichlorofluoromethane	0.899	0.842		6.3	20.0
1,1-Dichloroethene	0.316	0.292		7.6	20.0
Freon TF	0.696	0.678		2.6	20.0
Acetone	0.070	0.067		4.3	20.0
Carbon Disulfide	1.174	1.041		11.3	20.0
Methylene Chloride	0.408	0.354		13.2	20.0
trans-1,2-Dichloroethene	0.332	0.321		3.3	20.0
Methyl-t-Butyl Ether	0.670	0.652		2.7	20.0
1,1-Dichloroethane	0.631	0.597	0.1	5.4	20.0
cis-1,2-Dichloroethene	0.347	0.328		5.5	20.0
2-Butanone	0.026	0.025		3.8	20.0
Bromochloromethane	0.267	0.238		10.9	20.0
Chloroform	0.694	0.654		5.8	20.0
1,1,1-Trichloroethane	0.648	0.606		6.5	20.0
Carbon Tetrachloride	0.639	0.596		6.7	20.0
Benzene	0.834	0.773		7.3	20.0
1,2-Dichloroethane	0.387	0.357		7.8	20.0
Trichloroethene	0.504	0.479		5.0	20.0
1,2-Dichloropropane	0.444	0.420		5.4	20.0
Bromodichloromethane	0.859	0.807		6.0	20.0
cis-1,3-Dichloropropene	0.691	0.639		7.5	20.0
4-Methyl-2-pentanone	0.373	0.339		9.1	20.0
Toluene	0.684	0.648		5.3	20.0
trans-1,3-Dichloropropene	0.507	0.517		2.0	20.0
1,1,2-Trichloroethane	0.284	0.294		3.5	20.0
Tetrachloroethene	0.494	0.478		3.2	20.0
2-Hexanone	0.222	0.231		4.0	20.0
Dibromochloromethane	0.644	0.644		0.0	20.0
1,2-Dibromoethane	0.547	0.549		0.4	20.0
Chlorobenzene	0.970	0.901	0.3	7.1	20.0
Ethylbenzene	1.544	1.430		7.4	20.0
Xylene (total)	0.578	0.520		10.0	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: N Calibration Date: 08/20/09 Time: 1039

Lab File ID: NVX50AV Init. Calib. Date(s): 08/19/09 08/19/09

Heated Purge: (Y/N) Y Init. Calib. Times: 1652 1853

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	0.989	0.902		8.8	20.0
Bromoform	0.497	0.474	0.1	4.6	20.0
Isopropylbenzene	2.806	2.545		9.3	20.0
1,1,2,2-Tetrachloroethane	1.082	1.048	0.3	3.1	20.0
1,3-Dichlorobenzene	1.432	1.315		8.2	20.0
1,4-Dichlorobenzene	1.549	1.412		8.8	20.0
1,2-Dichlorobenzene	1.318	1.202		8.8	20.0
1,2-Dibromo-3-Chloropropane	0.299	0.264		11.7	20.0
1,2,4-Trichlorobenzene	1.065	0.993		6.8	20.0
1,2,3-Trichlorobenzene	0.960	0.875		8.8	20.0
1,2-Dichloroethane-d4	0.315	0.296		6.0	20.0
Toluene-d8	1.025	0.950		7.3	20.0
Bromofluorobenzene	1.353	1.260		6.9	20.0
1,2-Dichlorobenzene-d4	0.881	0.798		9.4	20.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID (Standard): NVX50AV Date Analyzed: 08/20/09

Instrument ID: N Time Analyzed: 1039

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	2079494	9.84	2347734	15.77	1398606	20.08
	UPPER LIMIT	4158988	10.34	4695468	16.27	2797212	20.58
	LOWER LIMIT	1039747	9.34	1173867	15.27	699303	19.58
	CLIENT SAMPLE NO.						
01	NA082009LCS	1316999	9.83	2095467	15.76	1311398	20.08
02	MBLK082009NA	2182302	9.83	2412644	15.76	1297732	20.08
03	TS10036	2001180	9.82	2357756	15.77	1347207	20.08
04	TS10037	1823356	9.82	2243651	15.77	1292065	20.08
05							
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	830	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803239

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	3.38	220	NJAB
2.	123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.14	16000	NJAB
3.		UNKNOWN	12.55	100	JB
4.		UNKNOWN	23.05	440	JB
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 5 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	18	J
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	350	U
92-52-4	1,1'-Biphenyl	350	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	870	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 5 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	870	U
132-64-9	Dibenzofuran	350	U
100-02-7	4-Nitrophenol	870	U
121-14-2	2,4-Dinitrotoluene	350	U
86-73-7	Fluorene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-methylphenol	870	U
86-30-6	N-nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
56-55-3	Benzo(a)anthracene	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	21	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 803240

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 5 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-79-7	3-PENTEN-2-ONE, 4-METHYL-	3.38	230	NJAB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.14	15000	NJAB
3. 134-62-3	DIETHYLTOLUAMIDE	11.77	96	NJ
4.	UNKNOWN	12.55	150	JB
5. 6006-01-5	3,7,11-TRIDECATRIENENITRILE,	18.94	110	NJ
6.	UNKNOWN	23.06	960	JB
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081209E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081209E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	830	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081209E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: B0812E

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-79-7	3-PENTEN-2-ONE, 4-METHYL-	3.37	210	NJA
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.12	13000	NJA
3.	UNKNOWN	12.54	96	J
4.	UNKNOWN	23.05	330	J
5.				
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 803239M

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1700	
111-44-4	bis(2-Chloroethyl)Ether	1800	
95-57-8	2-Chlorophenol	1800	
95-48-7	2-Methylphenol	1800	
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	
98-86-2	Acetophenone	51	J
106-44-5	4-Methylphenol	1800	
621-64-7	N-Nitroso-di-n-propylamine	1700	
67-72-1	Hexachloroethane	1600	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1800	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1700	
111-91-1	bis(2-Chloroethoxy)methane	1800	
120-83-2	2,4-Dichlorophenol	1800	
91-20-3	Naphthalene	1800	
106-47-8	4-Chloroaniline	930	
87-68-3	Hexachlorobutadiene	1700	
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	1700	
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	
77-47-4	Hexachlorocyclopentadiene	1400	
88-06-2	2,4,6-Trichlorophenol	1800	
95-95-4	2,4,5-Trichlorophenol	1700	
91-58-7	2-Chloronaphthalene	1400	
92-52-4	1,1'-Biphenyl	170	J
88-74-4	2-Nitroaniline	1500	
131-11-3	Dimethylphthalate	1700	
208-96-8	Acenaphthylene	1700	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	920	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 803239M

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	640	J
132-64-9	Dibenzofuran	1800	
100-02-7	4-Nitrophenol	1500	
121-14-2	2,4-Dinitrotoluene	1700	
86-73-7	Fluorene	1700	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1700	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1300	
86-30-6	N-nitrosodiphenylamine (1)	1800	
101-55-3	4-Bromophenyl-phenylether	1900	
118-74-1	Hexachlorobenzene	1900	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	1800	
86-74-8	Carbazole	1700	
84-74-2	Di-n-butylphthalate	1700	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	1900	
56-55-3	Benzo(a)anthracene	1700	
91-94-1	3,3'-Dichlorobenzidine	1000	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	1900	
117-84-0	Di-n-octylphthalate	1900	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	1700	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	2000	
53-70-3	Dibenz(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	2200	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MD

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 803239S

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	81	J
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	1800	
95-57-8	2-Chlorophenol	1800	
95-48-7	2-Methylphenol	1900	
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	
98-86-2	Acetophenone	48	J
106-44-5	4-Methylphenol	1800	
621-64-7	N-Nitroso-di-n-propylamine	1800	
67-72-1	Hexachloroethane	1600	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1800	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1600	
111-91-1	bis(2-Chloroethoxy)methane	1800	
120-83-2	2,4-Dichlorophenol	1800	
91-20-3	Naphthalene	1700	
106-47-8	4-Chloroaniline	1100	
87-68-3	Hexachlorobutadiene	1700	
105-60-2	Caprolactam	150	J
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	1700	
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	
77-47-4	Hexachlorocyclopentadiene	1400	
88-06-2	2,4,6-Trichlorophenol	1800	
95-95-4	2,4,5-Trichlorophenol	1700	
91-58-7	2-Chloronaphthalene	1400	
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	1600	
131-11-3	Dimethylphthalate	1700	
208-96-8	Acenaphthylene	1700	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	1100	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239MD

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 803239S

Level: (low/med) LOW Date Received: 08/11/09

% Moisture: 0 decanted: (Y/N) N Date Extracted: 08/12/09

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/17/09

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	550	J
132-64-9	Dibenzofuran	1700	
100-02-7	4-Nitrophenol	1400	
121-14-2	2,4-Dinitrotoluene	1600	
86-73-7	Fluorene	1700	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1200	
86-30-6	N-nitrosodiphenylamine (1)	1800	
101-55-3	4-Bromophenyl-phenylether	2000	
118-74-1	Hexachlorobenzene	2000	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	1700	
86-74-8	Carbazole	1800	
84-74-2	Di-n-butylphthalate	1700	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	1900	
56-55-3	Benzo(a)anthracene	1700	
91-94-1	3,3'-Dichlorobenzidine	1100	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	1800	
117-84-0	Di-n-octylphthalate	1800	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	1800	
193-39-5	Indeno(1,2,3-cd)pyrene	2000	
53-70-3	Dibenz(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	2200	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E081209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: E081209LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	1700	
95-57-8	2-Chlorophenol	1700	
95-48-7	2-Methylphenol	1800	
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	1800	
621-64-7	N-Nitroso-di-n-propylamine	1800	
67-72-1	Hexachloroethane	1500	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1800	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1600	
111-91-1	bis(2-Chloroethoxy)methane	1800	
120-83-2	2,4-Dichlorophenol	1800	
91-20-3	Naphthalene	1700	
106-47-8	4-Chloroaniline	1000	
87-68-3	Hexachlorobutadiene	1600	
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1700	
91-57-6	2-Methylnaphthalene	1600	
95-94-3	1,2,4,5-Tetrachlorobenzene	1600	
77-47-4	Hexachlorocyclopentadiene	1400	
88-06-2	2,4,6-Trichlorophenol	1700	
95-95-4	2,4,5-Trichlorophenol	1700	
91-58-7	2-Chloronaphthalene	1300	
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	1500	
131-11-3	Dimethylphthalate	1700	
208-96-8	Acenaphthylene	1700	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	840	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E081209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: E081209LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: Q0812E

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:08/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	1500	
132-64-9	Dibenzofuran	1700	
100-02-7	4-Nitrophenol	1600	
121-14-2	2,4-Dinitrotoluene	1600	
86-73-7	Fluorene	1700	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1600	
86-30-6	N-nitrosodiphenylamine (1)	1700	
101-55-3	4-Bromophenyl-phenylether	1800	
118-74-1	Hexachlorobenzene	1800	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1300	
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	1700	
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzylphthalate	1800	
56-55-3	Benzo(a)anthracene	1600	
91-94-1	3,3'-Dichlorobenzidine	1000	
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl)phthalate	1800	
117-84-0	Di-n-octylphthalate	1800	
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenz(a,h)anthracene	1700	
191-24-2	Benzo(g,h,i)perylene	1800	

(1) - Cannot be separated from Diphenylamine

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	E081209LCS	86	88	86	83	84	85	90	93	0
02	MBLK081209E	85	85	85	72	77	74	88	105	0
03	TS10036	82	82	81	70	77	76	68	105	0
04	TS10036MS	82	83	83	81	81	83	78	86	0
05	TS10036MSD	80	81	82	78	80	80	80	84	0
06	TS10037	89	87	88	68	81	78	80	111	0
07										
08										
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		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	1700	0.0	1700	100	60-140
bis(2-Chloroethyl)Ether	1700	0.0	1800	106	60-125
2-Chlorophenol	1700	0.0	1800	106	60-125
2-Methylphenol	1700	0.0	1800	106	50-135
2,2'-oxybis(1-Chloropro	1700	0.0	1700	100	60-130
4-Methylphenol	1700	0.0	1800	106	35-140
N-Nitroso-di-n-prop.(1)	1700	0.0	1700	100	45-125
Hexachloroethane	1700	0.0	1600	94	55-120
Nitrobenzene	1700	0.0	1700	100	55-120
Isophorone	1700	0.0	1800	106	50-115
2-Nitrophenol	1700	0.0	1700	100	55-135
2,4-Dimethylphenol	1700	0.0	1700	100	25-150
bis(2-Chloroethoxy)meth	1700	0.0	1800	106	55-125
2,4-Dichlorophenol	1700	0.0	1800	106	55-130
Naphthalene	1700	0.0	1800	106	55-120
4-Chloroaniline	1700	0.0	930	55	10- 90
Hexachlorobutadiene	1700	0.0	1700	100	50-130
4-Chloro-3-Methylphenol	1700	0.0	1700	100	60-140
2-Methylnaphthalene	1700	0.0	1700	100	45-150
Hexachlorocyclopentadie	1700	0.0	1400	82	30-105
2,4,6-Trichlorophenol	1700	0.0	1800	106	60-135
2,4,5-Trichlorophenol	1700	0.0	1700	100	60-130
2-Chloronaphthalene	1700	0.0	1400	82	45-120
2-Nitroaniline	1700	0.0	1500	88	50-125
Dimethylphthalate	1700	0.0	1700	100	55-120
Acenaphthylene	1700	0.0	1700	100	50-115
2,6-Dinitrotoluene	1700	0.0	1700	100	55-130
3-Nitroaniline	1700	0.0	920	54	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Acenaphthene	1700	0.0	1700	100	55-120
2,4-Dinitrophenol	1700	0.0	640	38	25-160
Dibenzofuran	1700	0.0	1800	106	55-120
4-Nitrophenol	1700	0.0	1500	88	30-155
2,4-Dinitrotoluene	1700	0.0	1700	100	50-120
Fluorene	1700	0.0	1700	100	50-125
Diethylphthalate	1700	0.0	1600	94	50-125
4-Chlorophenyl-phenylet	1700	0.0	1700	100	50-120
4-Nitroaniline	1700	0.0	1500	88	25-115
4,6-Dinitro-2-methylphe	1700	0.0	1300	76	55-160
N-nitrosodiphenylamine	1700	0.0	1800	106	45-130
4-Bromophenyl-phenyleth	1700	0.0	1900	112	55-130
Hexachlorobenzene	1700	0.0	1900	112	55-125
Pentachlorophenol	1700	0.0	1400	82	50-140
Phenanthrene	1700	0.0	1800	106	60-125
Anthracene	1700	0.0	1800	106	60-125
Carbazole	1700	0.0	1700	100	55-125
Di-n-butylphthalate	1700	0.0	1700	100	50-120
Fluoranthene	1700	0.0	1600	94	50-120
Pyrene	1700	0.0	1800	106	35-175
Butylbenzylphthalate	1700	0.0	1900	112	65-145
Benzo(a)anthracene	1700	0.0	1700	100	55-130
3,3'-Dichlorobenzidine	1700	0.0	1000	59	10-120
Chrysene	1700	0.0	1800	106	60-125
bis(2-Ethylhexyl)phthal	1700	0.0	1900	112	55-140
Di-n-octylphthalate	1700	0.0	1900	112	60-135
Benzo(b)fluoranthene	1700	0.0	2100	124	45-130
Benzo(k)fluoranthene	1700	0.0	1700	100	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Benzo(a)pyrene	1700	0.0	1700	100	55-120
Indeno(1,2,3-cd)pyrene	1700	0.0	2000	118	55-135
Dibenz(a,h)anthracene	1700	0.0	2000	118	35-145
Benzo(g,h,i)perylene	1700	0.0	2200	129	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	1700	1800	106	6	30	60-140
bis(2-Chloroethyl)Ether	1700	1800	106	0	30	60-125
2-Chlorophenol	1700	1800	106	0	30	60-125
2-Methylphenol	1700	1900	112	6	30	50-135
2,2'-oxybis(1-Chloropro	1700	1700	100	0	30	60-130
4-Methylphenol	1700	1800	106	0	30	35-140
N-Nitroso-di-n-prop.(1)	1700	1800	106	6	30	45-125
Hexachloroethane	1700	1600	94	0	30	55-120
Nitrobenzene	1700	1700	100	0	30	55-120
Isophorone	1700	1800	106	0	30	50-115
2-Nitrophenol	1700	1700	100	0	30	55-135
2,4-Dimethylphenol	1700	1600	94	6	30	25-150
bis(2-Chloroethoxy)meth	1700	1800	106	0	30	55-125
2,4-Dichlorophenol	1700	1800	106	0	30	55-130
Naphthalene	1700	1700	100	6	30	55-120
4-Chloroaniline	1700	1100	65	17	50	10- 90
Hexachlorobutadiene	1700	1700	100	0	30	50-130
4-Chloro-3-Methylphenol	1700	1700	100	0	30	60-140
2-Methylnaphthalene	1700	1700	100	0	30	45-150
Hexachlorocyclopentadie	1700	1400	82	0	40	30-105
2,4,6-Trichlorophenol	1700	1800	106	0	30	60-135
2,4,5-Trichlorophenol	1700	1700	100	0	30	60-130
2-Chloronaphthalene	1700	1400	82	0	30	45-120
2-Nitroaniline	1700	1600	94	6	30	50-125
Dimethylphthalate	1700	1700	100	0	30	55-120
Acenaphthylene	1700	1700	100	0	30	50-115
2,6-Dinitrotoluene	1700	1700	100	0	30	55-130
3-Nitroaniline	1700	1100	65	18	30	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1700	1700	100	0	30	55-120
2,4-Dinitrophenol	1700	550	32	17	30	25-160
Dibenzofuran	1700	1700	100	6	30	55-120
4-Nitrophenol	1700	1400	82	7	30	30-155
2,4-Dinitrotoluene	1700	1600	94	6	30	50-120
Fluorene	1700	1700	100	0	30	50-125
Diethylphthalate	1700	1600	94	0	30	50-125
4-Chlorophenyl-phenylet	1700	1600	94	6	30	50-120
4-Nitroaniline	1700	1500	88	0	30	25-115
4,6-Dinitro-2-methylphe	1700	1200	70	8	30	55-160
N-nitrosodiphenylamine	1700	1800	106	0	30	45-130
4-Bromophenyl-phenyleth	1700	2000	118	5	30	55-130
Hexachlorobenzene	1700	2000	118	5	30	55-125
Pentachlorophenol	1700	1400	82	0	30	50-140
Phenanthrene	1700	1800	106	0	30	60-125
Anthracene	1700	1700	100	6	30	60-125
Carbazole	1700	1800	106	6	30	55-125
Di-n-butylphthalate	1700	1700	100	0	30	50-120
Fluoranthene	1700	1600	94	0	30	50-120
Pyrene	1700	1800	106	0	30	35-175
Butylbenzylphthalate	1700	1900	112	0	30	65-145
Benzo(a)anthracene	1700	1700	100	0	30	55-130
3,3'-Dichlorobenzidine	1700	1100	65	10	50	10-120
Chrysene	1700	1800	106	0	30	60-125
bis(2-Ethylhexyl)phthal	1700	1800	106	6	30	55-140
Di-n-octylphthalate	1700	1800	106	6	30	60-135
Benzo(b)fluoranthene	1700	2100	124	0	30	45-130
Benzo(k)fluoranthene	1700	1800	106	6	30	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10036 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Benzo(a)pyrene	1700	1800	106	6	30	55-120
Indeno(1,2,3-cd)pyrene	1700	2000	118	0	30	55-135
Dibenz(a,h)anthracene	1700	2000	118	0	30	35-145
Benzo(g,h,i)perylene	1700	2200	129	0	30	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 60 outside limits
Spike Recovery: 0 out of 120 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - STLVT Sample No.: E081209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	1700		1800	106	60-140
bis(2-Chloroethyl)Ether	1700		1700	100	60-125
2-Chlorophenol	1700		1700	100	60-125
2-Methylphenol	1700		1800	106	50-135
2,2'-oxybis(1-Chloropro	1700		1700	100	60-130
4-Methylphenol	1700		1800	106	35-140
N-Nitroso-di-n-prop.(1)	1700		1800	106	45-125
Hexachloroethane	1700		1500	88	55-120
Nitrobenzene	1700		1700	100	55-120
Isophorone	1700		1800	106	50-115
2-Nitrophenol	1700		1700	100	55-135
2,4-Dimethylphenol	1700		1600	94	25-150
bis(2-Chloroethoxy)meth	1700		1800	106	55-125
2,4-Dichlorophenol	1700		1800	106	55-130
Naphthalene	1700		1700	100	55-120
4-Chloroaniline	1700		1000	59	10- 90
Hexachlorobutadiene	1700		1600	94	50-130
4-Chloro-3-Methylphenol	1700		1700	100	60-140
2-Methylnaphthalene	1700		1600	94	45-150
Hexachlorocyclopentadie	1700		1400	82	30-105
2,4,6-Trichlorophenol	1700		1700	100	60-135
2,4,5-Trichlorophenol	1700		1700	100	60-130
2-Chloronaphthalene	1700		1300	76	45-120
2-Nitroaniline	1700		1500	88	50-125
Dimethylphthalate	1700		1700	100	55-120
Acenaphthylene	1700		1700	100	50-115
2,6-Dinitrotoluene	1700		1700	100	55-130
3-Nitroaniline	1700		840	49	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - STLVT Sample No.: E081209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1700		1700	100	55-120
2,4-Dinitrophenol	1700		1500	88	25-160
Dibenzofuran	1700		1700	100	55-120
4-Nitrophenol	1700		1600	94	30-155
2,4-Dinitrotoluene	1700		1600	94	50-120
Fluorene	1700		1700	100	50-125
Diethylphthalate	1700		1600	94	50-125
4-Chlorophenyl-phenylet	1700		1600	94	50-120
4-Nitroaniline	1700		1500	88	25-115
4,6-Dinitro-2-methylphe	1700		1600	94	55-160
N-nitrosodiphenylamine	1700		1700	100	45-130
4-Bromophenyl-phenyleth	1700		1800	106	55-130
Hexachlorobenzene	1700		1800	106	55-125
Pentachlorophenol	1700		1300	76	50-140
Phenanthrene	1700		1700	100	60-125
Anthracene	1700		1700	100	60-125
Carbazole	1700		1600	94	55-125
Di-n-butylphthalate	1700		1600	94	50-120
Fluoranthene	1700		1500	88	50-120
Pyrene	1700		1800	106	35-175
Butylbenzylphthalate	1700		1800	106	65-145
Benzo(a)anthracene	1700		1600	94	55-130
3,3'-Dichlorobenzidine	1700		1000	59	10-120
Chrysene	1700		1600	94	60-125
bis(2-Ethylhexyl)phthal	1700		1800	106	55-140
Di-n-octylphthalate	1700		1800	106	60-135
Benzo(b)fluoranthene	1700		2000	118	45-130
Benzo(k)fluoranthene	1700		1500	88	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - STLVT Sample No.: E081209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Benzo(a)pyrene	1700		1500	88	55-120
Indeno(1,2,3-cd)pyrene	1700		1700	100	55-135
Dibenz(a,h)anthracene	1700		1700	100	35-145
Benzo(g,h,i)perylene	1700		1800	106	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 60 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK081209E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: B0812E Lab Sample ID: MBLK081209E

Instrument ID: U Date Extracted: 08/12/09

Matrix: (soil/water) SOIL Date Analyzed: 08/17/09

Level:(low/med) LOW Time Analyzed: 1340

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E081209LCS	E081209LCS	Q0812E	08/17/09
02	TS10036	803239	803239	08/17/09
03	TS10036MS	803239MS	803239M	08/17/09
04	TS10036MSD	803239MD	803239S	08/17/09
05	TS10037	803240	803240	08/17/09
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COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: UGJ02PS DFTPP Injection Date: 07/29/09

Instrument ID: U DFTPP Injection Time: 1039

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	54.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	20.8
365	Greater than 1.0% of mass 198	2.24
441	Present, but less than mass 443	10.7
442	Greater than 40.0% of mass 198	67.8
443	17.0 - 23.0% of mass 442	13.3 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	UGJ160	07/29/09	1059
02	SSTD140	SSTD140	UGJ140	07/29/09	1131
03	SSTD120	SSTD120	UGJ120	07/29/09	1204
04	SSTD100	SSTD100	UGJ100	07/29/09	1236
05	SSTD080	SSTD080	UGJ080	07/29/09	1309
06	SSTD050	SSTD050	UGJ050	07/29/09	1342
07	SSTD020	SSTD020	UGJ020	07/29/09	1414
08	SSTD320	SSTD320	UGJ320	07/29/09	1447
09	SSTD160-ADDE	SSTD160-ADDED	UGJA160	07/29/09	1519
10	SSTD140-ADDE	SSTD140-ADDED	UGJA140	07/29/09	1552
11	SSTD120-ADDE	SSTD120-ADDED	UGJA120	07/29/09	1624
12	SSTD100-ADDE	SSTD100-ADDED	UGJA100	07/29/09	1657
13	SSTD080-ADDE	SSTD080-ADDED	UGJA080	07/29/09	1729
14	SSTD050-ADDE	SSTD050-ADDED	UGJA050	07/29/09	1802
15	SSTD020-ADDE	SSTD020-ADDED	UGJA020	07/29/09	1834
16	SSTD100-ICV	SSTD100-ICV	UGJ100IC	07/29/09	1907
17					
18					
19					
20					
21					
22					

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID: UGJ24PS DFTPP Injection Date: 08/17/09

Instrument ID: U DFTPP Injection Time: 1032

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	64.7
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	21.1
365	Greater than 1.0% of mass 198	2.07
441	Present, but less than mass 443	10.3
442	Greater than 40.0% of mass 198	65.3
443	17.0 - 23.0% of mass 442	12.8 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGJ080J	08/17/09	1111
02	E081209LCS	E081209LCS	Q0812E	08/17/09	1307
03	MBLK081209E	MBLK081209E	B0812E	08/17/09	1340
04	TS10036	803239	803239	08/17/09	1554
05	TS10036MS	803239MS	803239M	08/17/09	1627
06	TS10036MSD	803239MD	803239S	08/17/09	1659
07	TS10037	803240	803240	08/17/09	1732
08					
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FORM V SV

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugja020.d RRF50 =ugja050.d
RRF80 =ugja080.d RRF100=ugja100.d RRF120=ugja120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Benzaldehyde	1.022	0.964	0.894	0.904	0.912		
Phenol *	1.762	1.798	1.833	1.890	1.931		*
bis(2-Chloroethyl)Ether	1.355	1.357	1.367	1.418	1.458		
2-Chlorophenol	1.366	1.394	1.420	1.446	1.510		
2-Methylphenol	0.962	0.980	1.002	1.016	1.051		
2,2'-oxybis(1-Chloropropane	1.781	1.732	1.738	1.760	1.838		
Acetophenone	1.533	1.477	1.487	1.505	1.587		
4-Methylphenol	1.234	1.226	1.278	1.279	1.332		
N-Nitroso-di-n-propylamine #	0.919	0.901	0.920	0.927	0.988		#
Hexachloroethane	0.626	0.648	0.669	0.690	0.690		
Nitrobenzene	0.397	0.398	0.397	0.414	0.407		
Isophorone	0.734	0.726	0.730	0.748	0.775		
2-Nitrophenol *	0.206	0.217	0.219	0.227	0.228		*
2,4-Dimethylphenol	0.321	0.330	0.338	0.342	0.342		
bis(2-Chloroethoxy)methane	0.455	0.448	0.451	0.472	0.477		
2,4-Dichlorophenol *	0.277	0.295	0.298	0.310	0.312		*
Naphthalene	1.060	1.067	1.083	1.097	1.107		
4-Chloroaniline	0.432	0.438	0.443	0.459	0.484		
Hexachlorobutadiene *	0.174	0.186	0.192	0.198	0.194		*
Caprolactam	0.078	0.079	0.079	0.082	0.089		
4-Chloro-3-Methylphenol *	0.245	0.254	0.256	0.260	0.276		*
2-Methylnaphthalene	0.186	0.185	0.187	0.187	0.191		
1,2,4,5-Tetrachlorobenzene	0.661	0.702	0.709	0.722	0.689		
Hexachlorocyclopentadiene #	0.357	0.434	0.474	0.493	0.455		#
2,4,6-Trichlorophenol *	0.378	0.400	0.403	0.406	0.404		*
2,4,5-Trichlorophenol		0.393	0.394	0.409	0.403		
2-Chloronaphthalene	0.561	0.580	0.585	0.599	0.596		
1,1'-Biphenyl	1.742	1.832	1.885	1.940	1.906		
2-Nitroaniline		0.386	0.381	0.387	0.389		
Dimethylphthalate	1.338	1.373	1.395	1.428	1.447		
Acenaphthylene	2.172	2.198	2.197	2.245	2.225		
2,6-Dinitrotoluene	0.329	0.340	0.340	0.349	0.355		
3-Nitroaniline		0.380	0.387	0.400	0.413		
Acenaphthene *	1.238	1.261	1.283	1.317	1.274		*
2,4-Dinitrophenol #		0.143	0.160	0.172	0.176		#
Dibenzofuran	1.710	1.718	1.743	1.790	1.771		
4-Nitrophenol #		0.236	0.232	0.249	0.256		#

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugja020.d RRF50 =ugja050.d
RRF80 =ugja080.d RRF100=ugja100.d RRF120=ugja120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.386	0.402	0.401	0.410	0.429		
Fluorene	1.329	1.373	1.383	1.390	1.430		
Diethylphthalate	1.406	1.439	1.440	1.489	1.526		
4-Chlorophenyl-phenylether	0.577	0.592	0.599	0.617	0.620		
4-Nitroaniline		0.346	0.345	0.353	0.378		
4,6-Dinitro-2-methylphenol		0.143	0.152	0.164	0.165		
N-nitrosodiphenylamine (1) *	0.769	0.801	0.820	0.815	0.837		*
4-Bromophenyl-phenylether	0.263	0.280	0.289	0.285	0.293		
Hexachlorobenzene	0.273	0.291	0.301	0.300	0.303		
Atrazine	0.184	0.191	0.196	0.191	0.205		
Pentachlorophenol *		0.163	0.176	0.179	0.180		*
Phenanthrene	1.181	1.189	1.218	1.258	1.262		
Anthracene	1.157	1.191	1.237	1.252	1.259		
Carbazole	1.084	1.120	1.158	1.195	1.191		
Di-n-butylphthalate	1.504	1.570	1.625	1.688	1.734		
Fluoranthene *	0.969	1.035	1.076	1.135	1.163		*
Pyrene	1.305	1.162	1.096	1.106	1.129		
Butylbenzylphthalate	0.671	0.642	0.643	0.657	0.668		
Benzo(a)anthracene	1.064	1.106	1.122	1.156	1.177		
3,3'-Dichlorobenzidine	0.447	0.411	0.482	0.499	0.506		
Chrysene	1.074	1.009	0.982	1.013	1.013		
bis(2-Ethylhexyl)phthalate	0.890	0.899	0.905	0.910	0.938		
Di-n-octylphthalate *	1.412	1.545	1.629	1.640	1.641		*
Benzo(b)fluoranthene	1.132	1.133	1.257	1.202	1.176		
Benzo(k)fluoranthene	1.323	1.424	1.168	1.236	1.335		
Benzo(a)pyrene *	1.119	1.213	1.157	1.209	1.208		*
Indeno(1,2,3-cd)pyrene	1.217	1.358	1.439	1.526	1.440		
Dibenz(a,h)anthracene	0.972	1.110	1.188	1.289	1.190		
Benzo(g,h,i)perylene	1.027	1.075	1.184	1.226	1.154		
2-Fluorophenol	1.265	1.344	1.346	1.372	1.428		
Phenol-d5	1.618	1.728	1.751	1.781	1.889		
2-Chlorophenol-d4	1.306	1.376	1.392	1.426	1.491		
1,2-Dichlorobenzene-d4	0.952	1.014	1.058	1.106	1.122		
Nitrobenzene-d5	0.409	0.420	0.415	0.432	0.441		

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugja020.d RRF50 =ugja050.d
RRF80 =ugja080.d RRF100=ugja100.d RRF120=ugja120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.458	1.572	1.582	1.610	1.612		
2,4,6-Tribromophenol	0.184	0.211	0.212	0.218	0.231		
Terphenyl-d14	0.882	0.840	0.812	0.808	0.858		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugja140.d RRF160=ugja160.d
RRF320=ugj320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Benzaldehyde	0.964	0.840				0.928	6.4
Phenol *	1.878	1.942				1.862	3.6*
bis(2-Chloroethyl)Ether	1.455	1.486				1.414	3.9
2-Chlorophenol	1.441	1.496				1.439	3.6
2-Methylphenol	1.016	1.035				1.009	3.0
2,2'-oxybis(1-Chloropropane	1.693	1.726				1.752	2.7
Acetophenone	1.793	1.588				1.567	7.0
4-Methylphenol	1.282	1.354				1.284	3.6
N-Nitroso-di-n-propylamine #	0.921	0.965				0.934	3.3#
Hexachloroethane	0.696	0.735				0.679	5.2
Nitrobenzene	0.426	0.427				0.409	3.2
Isophorone	0.753	0.747				0.745	2.2
2-Nitrophenol *	0.229	0.229				0.222	3.9*
2,4-Dimethylphenol	0.347	0.346				0.338	2.8
bis(2-Chloroethoxy)methane	0.476	0.477				0.465	2.9
2,4-Dichlorophenol *	0.315	0.317				0.303	4.7*
Naphthalene	1.111	1.136				1.094	2.4
4-Chloroaniline	0.461	0.468				0.455	4.0
Hexachlorobutadiene *	0.203	0.201				0.192	5.2*
Caprolactam	0.082	0.082				0.082	4.6
4-Chloro-3-Methylphenol *	0.263	0.263				0.260	3.7*
2-Methylnaphthalene	0.191	0.196				0.189	2.0
1,2,4,5-Tetrachlorobenzene	0.715	0.695				0.699	2.9
Hexachlorocyclopentadiene #	0.510	0.497				0.460	11.4#
2,4,6-Trichlorophenol *	0.394	0.392				0.397	2.4*
2,4,5-Trichlorophenol	0.404	0.420				0.404	2.5
2-Chloronaphthalene	0.617	0.608				0.592	3.1
1,1'-Biphenyl	2.256	1.971				1.933	8.3
2-Nitroaniline	0.379	0.387				0.385	1.0
Dimethylphthalate	1.419	1.388				1.398	2.6
Acenaphthylene	2.228	2.200				2.209	1.1
2,6-Dinitrotoluene	0.345	0.332				0.341	2.7
3-Nitroaniline	0.386	0.401				0.394	3.2
Acenaphthene *	1.295	1.317				1.284	2.3*
2,4-Dinitrophenol #	0.175	0.178				0.167	8.1#
Dibenzofuran	1.798	1.759				1.756	1.9
4-Nitrophenol #	0.230	0.236				0.240	4.3#

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugja140.d RRF160=ugja160.d
RRF320=ugj320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.396	0.401				0.404	3.3
Fluorene	1.490	1.437				1.404	3.7
Diethylphthalate	1.491	1.474				1.466	2.8
4-Chlorophenyl-phenylether	0.646	0.621				0.610	3.7
4-Nitroaniline	0.316	0.333				0.345	5.9
4,6-Dinitro-2-methylphenol	0.171	0.174				0.162	7.2
N-nitrosodiphenylamine (1) *	0.876	0.864				0.826	4.4*
4-Bromophenyl-phenylether	0.304	0.297				0.287	4.6
Hexachlorobenzene	0.317	0.300				0.298	4.5
Atrazine	0.248	0.210				0.204	10.6
Pentachlorophenol *	0.182	0.181				0.177	4.0*
Phenanthrene	1.291	1.297				1.242	3.8
Anthracene	1.277	1.288				1.237	3.8
Carbazole	1.196	1.252				1.171	4.7
Di-n-butylphthalate	1.693	1.768				1.654	5.6
Fluoranthene *	1.130	1.241				1.107	8.0*
Pyrene	1.142	1.035				1.139	7.3
Butylbenzylphthalate	0.643	0.623				0.650	2.6
Benzo(a)anthracene	1.160	1.147				1.133	3.4
3,3'-Dichlorobenzidine	0.472	0.495				0.473	7.1
Chrysene	1.012	0.966				1.010	3.3
bis(2-Ethylhexyl)phthalate	0.907	0.943				0.913	2.2
Di-n-octylphthalate *	1.656	1.676				1.600	5.8*
Benzo(b)fluoranthene	1.212	1.167				1.183	3.8
Benzo(k)fluoranthene	1.252	1.408				1.306	7.2
Benzo(a)pyrene *	1.270	1.260				1.205	4.4*
Indeno(1,2,3-cd)pyrene	1.541	1.425				1.421	7.7
Dibenz(a,h)anthracene	1.340	1.188				1.182	10.1
Benzo(g,h,i)perylene	1.098	1.000				1.109	7.5
2-Fluorophenol	1.353	1.425				1.362	4.1
Phenol-d5	1.800	1.841				1.772	4.9
2-Chlorophenol-d4	1.449	1.490				1.418	4.7
1,2-Dichlorobenzene-d4	1.150	1.172				1.082	7.3
Nitrobenzene-d5	0.440	0.435				0.427	3.0

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date(s): 07/29/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugja140.d RRF160=ugja160.d
RRF320=ugj320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.602	1.569				1.572	3.4
2,4,6-Tribromophenol	0.215	0.202				0.210	7.0
Terphenyl-d14	0.848	0.761				0.830	4.8

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date: 08/17/09 Time: 1111

Lab File ID: UGJ080J Init. Calib. Date(s): 07/29/09 07/29/09

Init. Calib. Times: 1059 1834

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Benzaldehyde	0.928	0.857		7.6	
Phenol	1.862	1.976		6.1	20.0
bis(2-Chloroethyl)Ether	1.414	1.481		4.7	
2-Chlorophenol	1.439	1.494		3.8	
2-Methylphenol	1.009	1.085		7.5	
2,2'-oxybis(1-Chloropropane)	1.752	1.856		5.9	
Acetophenone	1.567	1.584		1.1	
4-Methylphenol	1.284	1.356		5.6	
N-Nitroso-di-n-propylamine	0.934	0.960	0.05	2.8	
Hexachloroethane	0.679	0.693		2.1	
Nitrobenzene	0.409	0.432		5.6	
Isophorone	0.745	0.760		2.0	
2-Nitrophenol	0.222	0.236		6.3	20.0
2,4-Dimethylphenol	0.338	0.353		4.4	
bis(2-Chloroethoxy)methane	0.465	0.493		6.0	
2,4-Dichlorophenol	0.303	0.317		4.6	20.0
Naphthalene	1.094	1.136		3.8	
4-Chloroaniline	0.455	0.438		3.7	
Hexachlorobutadiene	0.192	0.188		2.1	20.0
Caprolactam	0.082	0.068		17.1	
4-Chloro-3-Methylphenol	0.260	0.254		2.3	20.0
2-Methylnaphthalene	0.189	0.182		3.7	
1,2,4,5-Tetrachlorobenzene	0.699	0.672		3.9	
Hexachlorocyclopentadiene	0.460	0.459	0.05	0.2	
2,4,6-Trichlorophenol	0.397	0.467		17.6	20.0
2,4,5-Trichlorophenol	0.404	0.406		0.5	
2-Chloronaphthalene	0.592	0.554		6.4	
1,1'-Biphenyl	1.933	1.840		4.8	
2-Nitroaniline	0.385	0.352		8.6	
Dimethylphthalate	1.398	1.306		6.6	
Acenaphthylene	2.209	2.205		0.2	
2,6-Dinitrotoluene	0.341	0.327		4.1	
3-Nitroaniline	0.394	0.355		9.9	
Acenaphthene	1.284	1.264		1.6	20.0
2,4-Dinitrophenol	0.167	0.154	0.05	7.8	
Dibenzofuran	1.756	1.667		5.1	
4-Nitrophenol	0.240	0.198	0.05	17.5	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date: 08/17/09 Time: 1111

Lab File ID: UGJ080J Init. Calib. Date(s): 07/29/09 07/29/09

Init. Calib. Times: 1059 1834

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.404	0.377		6.7	
Fluorene	1.404	1.322		5.8	
Diethylphthalate	1.466	1.316		10.2	
4-Chlorophenyl-phenylether	0.610	0.540		11.5	
4-Nitroaniline	0.345	0.295		14.5	
4,6-Dinitro-2-methylphenol	0.162	0.156		3.7	
N-nitrosodiphenylamine	0.826	0.839		1.6	20.0
4-Bromophenyl-phenylether	0.287	0.290		1.0	
Hexachlorobenzene	0.298	0.298		0.0	
Atrazine	0.204	0.193		5.4	
Pentachlorophenol	0.177	0.181		2.2	20.0
Phenanthrene	1.242	1.240		0.2	
Anthracene	1.237	1.236		0.1	
Carbazole	1.171	1.171		0.0	
Di-n-butylphthalate	1.654	1.630		1.4	
Fluoranthene	1.107	1.070		3.3	20.0
Pyrene	1.139	1.126		1.1	
Butylbenzylphthalate	0.650	0.680		4.6	
Benzo(a)anthracene	1.133	1.092		3.6	
3,3'-Dichlorobenzidine	0.473	0.443		6.3	
Chrysene	1.010	1.020		1.0	
bis(2-Ethylhexyl)phthalate	0.913	0.955		4.6	
Di-n-octylphthalate	1.600	1.876		17.2	20.0
Benzo(b)fluoranthene	1.183	1.258		6.3	
Benzo(k)fluoranthene	1.306	1.297		0.7	
Benzo(a)pyrene	1.205	1.195		0.8	20.0
Indeno(1,2,3-cd)pyrene	1.421	1.497		5.3	
Dibenz(a,h)anthracene	1.182	1.222		3.4	
Benzo(g,h,i)perylene	1.109	1.264		14.0	
2-Fluorophenol	1.362	1.364		0.1	
Phenol-d5	1.772	1.809		2.1	
2-Chlorophenol-d4	1.418	1.441		1.6	
1,2-Dichlorobenzene-d4	1.082	1.110		2.6	
Nitrobenzene-d5	0.427	0.439		2.8	
2-Fluorobiphenyl	1.572	1.559		0.8	
2,4,6-Tribromophenol	0.210	0.190		9.5	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: U Calibration Date: 08/17/09 Time: 1111

Lab File ID: UGJ080J Init. Calib. Date(s): 07/29/09 07/29/09

Init. Calib. Times: 1059 1834

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Terphenyl-d14	0.830	0.847		2.0	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID (Standard): UGJ080J Date Analyzed: 08/17/09

Instrument ID: U Time Analyzed: 1111

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	276352	6.27	926245	8.23	393063	11.04
	UPPER LIMIT	552704	6.77	1852490	8.73	786126	11.54
	LOWER LIMIT	138176	5.77	463122	7.73	196532	10.54
	STLVT SAMPLE NO.						
01	E081209LCS	345554	6.28	1215284	8.23	539489	11.04
02	MBLK081209E	354698	6.27	1288957	8.22	640089	11.02
03	TS10036	379436	6.28	1326448	8.22	638178	11.03
04	TS10036MS	397596	6.28	1366355	8.23	586277	11.04
05	TS10036MSD	388834	6.28	1346349	8.23	582855	11.04
06	TS10037	385263	6.28	1372608	8.22	660748	11.03
07							
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20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab File ID (Standard): UGJ080J Date Analyzed: 08/17/09

Instrument ID: U Time Analyzed: 1111

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	455986	13.37	455348	17.54	471449	19.44
	UPPER LIMIT	911972	13.87	910696	18.04	942898	19.94
	LOWER LIMIT	227993	12.87	227674	17.04	235724	18.94
	STLVT SAMPLE NO.						
01	E081209LCS	653830	13.37	562492	17.54	501524	19.44
02	MBLK081209E	879433	13.37	609605	17.53	540794	19.44
03	TS10036	793744	13.37	531480	17.53	471112	19.43
04	TS10036MS	664176	13.38	604937	17.54	518358	19.44
05	TS10036MSD	678716	13.38	613594	17.54	509667	19.44
06	TS10037	798640	13.37	533217	17.53	494093	19.43
07							
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21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

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Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10036

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803239

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 21AUG091722-R031

% Moisture: 0 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	1.6	U
5103-71-9	alpha-Chlordane	1.6	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 21AUG091722-R041

% Moisture: 5 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.4	U
7421-93-4	Endrin aldehyde	3.4	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK081309C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: MBLK081309C

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 21AUG091722-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240MS

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 21AUG091722-R051

% Moisture: 5 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.3	
319-85-7	beta-BHC	5.8	
319-86-8	delta-BHC	5.4	
58-89-9	gamma-BHC (Lindane)	5.5	
76-44-8	Heptachlor	5.6	
309-00-2	Aldrin	5.2	
1024-57-3	Heptachlor epoxide	5.5	
959-98-8	Endosulfan I	5.4	
60-57-1	Dieldrin	11	
72-55-9	4,4'-DDE	10	
72-20-8	Endrin	11	
33213-65-9	Endosulfan II	11	
72-54-8	4,4'-DDD	11	
1031-07-8	Endosulfan sulfate	9.6	
50-29-3	4,4'-DDT	12	
72-43-5	Methoxychlor	60	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	6.4	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	5.6	
5103-71-9	alpha-Chlordane	4.9	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: 803240MD

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 21AUG091722-R061

% Moisture: 5 decanted: (Y/N) N Date Received: 08/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.4	
319-85-7	beta-BHC	5.9	
319-86-8	delta-BHC	5.5	
58-89-9	gamma-BHC (Lindane)	5.6	
76-44-8	Heptachlor	5.8	
309-00-2	Aldrin	5.4	
1024-57-3	Heptachlor epoxide	5.8	
959-98-8	Endosulfan I	5.8	
60-57-1	Dieldrin	12	
72-55-9	4,4'-DDE	12	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	11	
72-54-8	4,4'-DDD	12	
1031-07-8	Endosulfan sulfate	10	
50-29-3	4,4'-DDT	13	
72-43-5	Methoxychlor	62	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	7.1	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	5.9	
5103-71-9	alpha-Chlordane	5.3	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix: (soil/water) SOIL Lab Sample ID: C081309LCS

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 21AUG091722-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/13/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 08/21/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.5	
319-85-7	beta-BHC	4.8	
319-86-8	delta-BHC	4.4	
58-89-9	gamma-BHC (Lindane)	4.5	
76-44-8	Heptachlor	4.7	
309-00-2	Aldrin	4.4	
1024-57-3	Heptachlor epoxide	4.7	
959-98-8	Endosulfan I	4.6	
60-57-1	Dieldrin	9.1	
72-55-9	4,4'-DDE	9.1	
72-20-8	Endrin	9.2	
33213-65-9	Endosulfan II	9.2	
72-54-8	4,4'-DDD	9.5	
1031-07-8	Endosulfan sulfate	8.5	
50-29-3	4,4'-DDT	10	
72-43-5	Methoxychlor	51	
53494-70-5	Endrin ketone	9.3	
7421-93-4	Endrin aldehyde	5.4	
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	4.8	
5103-71-9	alpha-Chlordane	4.3	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK081309C	63	64	80	84			0
02	C081309LCS	58	58	65	68			0
03	TS10036	56	56	66	67			0
04	TS10037	57	59	66	69			0
05	TS10037MS	65	68	74	77			0
06	TS10037MSD	64	67	72	71			0
07								
08								
09								
10								
11								
12								
13								
14								
15								
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25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10037

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
alpha-BHC	7.1	0.0	5.3	75	55-130
beta-BHC	7.1	0.0	5.8	82	60-130
delta-BHC	7.1	0.0	5.4	76	50-135
gamma-BHC (Lindane)	7.1	0.0	5.5	77	55-135
Heptachlor	7.1	0.0	5.6	79	60-135
Aldrin	7.1	0.0	5.2	73	55-135
Heptachlor epoxide	7.1	0.0	5.5	77	60-130
Endosulfan I	7.1	0.0	5.4	76	55-125
Dieldrin	14	0.0	11	78	60-145
4,4'-DDE	14	0.0	10	71	60-145
Endrin	14	0.0	11	78	60-145
Endosulfan II	14	0.0	11	78	55-125
4,4'-DDD	14	0.0	11	78	60-145
Endosulfan sulfate	14	0.0	9.6	68	40-140
4,4'-DDT	14	0.0	12	86	60-155
Methoxychlor	71	0.0	60	84	65-145
Endrin ketone	14	0.0	11	78	65-145
Endrin aldehyde	14	0.0	6.4	46	15-110
gamma-Chlordane	7.1	0.0	5.6	79	60-140
alpha-Chlordane	7.1	0.0	4.9	69	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - BBLKAL Sample No.: TS10037

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
alpha-BHC	7.1	5.4	76	1	30	55-130
beta-BHC	7.1	5.9	83	1	30	60-130
delta-BHC	7.1	5.5	77	1	30	50-135
gamma-BHC (Lindane)	7.1	5.6	79	2	30	55-135
Heptachlor	7.1	5.8	82	4	30	60-135
Aldrin	7.1	5.4	76	4	30	55-135
Heptachlor epoxide	7.1	5.8	82	6	30	60-130
Endosulfan I	7.1	5.8	82	8	30	55-125
Dieldrin	14	12	86	10	30	60-145
4,4'-DDE	14	12	86	19	30	60-145
Endrin	14	12	86	10	30	60-145
Endosulfan II	14	11	78	0	30	55-125
4,4'-DDD	14	12	86	10	30	60-145
Endosulfan sulfate	14	10	71	4	30	40-140
4,4'-DDT	14	13	93	8	30	60-155
Methoxychlor	71	62	87	4	30	65-145
Endrin ketone	14	11	78	0	30	65-145
Endrin aldehyde	14	7.1	51	10	30	15-110
gamma-Chlordane	7.1	5.9	83	5	30	60-140
alpha-Chlordane	7.1	5.3	75	8	30	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 0 out of 40 outside limits

COMMENTS:

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Matrix Spike - Sample No.: C081309LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.6		4.5	68	55-130
beta-BHC	6.6		4.8	73	60-130
delta-BHC	6.6		4.4	67	50-135
gamma-BHC (Lindane)	6.6		4.5	68	55-135
Heptachlor	6.6		4.7	71	60-135
Aldrin	6.6		4.4	67	55-135
Heptachlor epoxide	6.6		4.7	71	60-130
Endosulfan I	6.6		4.6	70	55-125
Dieldrin	13		9.1	70	60-145
4,4'-DDE	13		9.1	70	60-145
Endrin	13		9.2	71	60-145
Endosulfan II	13		9.2	71	55-125
4,4'-DDD	13		9.5	73	60-145
Endosulfan sulfate	13		8.5	65	40-140
4,4'-DDT	13		10	77	60-155
Methoxychlor	66		51	77	65-145
Endrin ketone	13		9.3	72	65-145
Endrin aldehyde	13		5.4	42	15-110
gamma-Chlordane	6.6		4.8	73	60-140
alpha-Chlordane	6.6		4.3	65	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK081309C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: MBLK081309C Lab File ID: 21AUG091722-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 08/13/09

Date Analyzed (1): 08/21/09 Date Analyzed (2): 08/21/09

Time Analyzed (1): 2023 Time Analyzed (2): 2023

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	C081309LCS	C081309LCS	08/21/09	08/21/09
02	TS10036	803239	08/21/09	08/21/09
03	TS10037	803240	08/21/09	08/21/09
04	TS10037MS	803240MS	08/21/09	08/21/09
05	TS10037MSD	803240MD	08/21/09	08/21/09
06				
07				
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COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0112 0330

LAB FILE ID: RF1: 20AUG091728-RRF2: 20AUG091728-RRF3: 20AUG091728-R
RF4: 20AUG091728-RRF5: 20AUG091728-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	3211.000	3247.200	3570.200	3818.825	3889.112
beta-BHC	1376.200	1292.800	1307.350	1354.125	1350.250
delta-BHC	2939.400	3019.400	3250.400	3456.825	3597.262
gamma-BHC (Lindane)	3058.200	3078.700	3368.550	3517.825	3601.425
Heptachlor	2565.600	2524.400	2768.200	3002.600	3056.975
Aldrin	2538.400	2556.600	2748.800	2893.650	2972.500
Heptachlor epoxide	2185.200	2169.400	2277.100	2383.000	2452.388
Endosulfan I	1974.400	1972.300	2047.050	2151.725	2156.150
Dieldrin	2059.600	2116.000	2262.950	2367.862	2347.406
4,4'-DDE	2107.500	2177.350	2324.575	2472.212	2479.081
Endrin	1802.700	1850.050	1997.775	2098.400	2112.912
Endosulfan II	1689.000	1714.150	1775.850	1864.075	1909.075
4,4'-DDD	1566.100	1625.750	1702.850	1791.375	1820.800
Endosulfan sulfate	1493.700	1564.550	1689.725	1735.262	1758.819
4,4'-DDT	1501.500	1538.950	1623.775	1730.238	1768.650
Methoxychlor	795.280	803.230	807.815	799.205	718.451
Endrin ketone	1951.700	1985.850	2051.775	2062.000	2094.856
Endrin aldehyde	1400.700	1424.650	1482.375	1562.000	1589.325
Chlordane	49.500				
(2)	35.800				
(3)	221.860				
(4)	196.280				
(5)	198.900				
Toxaphene	19.986				
(2)	33.906				
(3)	34.860				
(4)	41.292				
(5)	26.102				
Mirex	1332.500	1284.650	1273.825	1315.275	1280.894
gamma-Chlordane	2162.800	2161.500	2303.650	2364.775	2456.612
alpha-Chlordane	2129.200	2114.400	2185.150	2255.275	2334.500
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	1938.600	1830.900	1917.050	2000.425	2033.250
Decachlorobiphenyl	1627.000	1483.200	1464.900	1500.300	1473.800

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0112 0330

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	3547.26750	8.850	20.000	
beta-BHC	AVRG	1336.14500	2.602	20.000	
delta-BHC	AVRG	3252.65750	8.600	20.000	
gamma-BHC (Lindane)	AVRG	3324.94000	7.479	20.000	
Heptachlor	AVRG	2783.55500	8.756	20.000	
Aldrin	AVRG	2741.99000	7.109	20.000	
Heptachlor epoxide	AVRG	2293.41750	5.369	20.000	
Endosulfan I	AVRG	2060.32500	4.398	20.000	
Dieldrin	AVRG	2230.76375	6.175	20.000	
4,4'-DDE	AVRG	2312.14375	7.292	20.000	
Endrin	AVRG	1972.36750	7.172	20.000	
Endosulfan II	AVRG	1790.43000	5.285	20.000	
4,4'-DDD	AVRG	1701.37500	6.329	20.000	
Endosulfan sulfate	AVRG	1648.41125	6.944	20.000	
4,4'-DDT	AVRG	1632.62250	7.122	20.000	
Methoxychlor	AVRG	784.796250	4.763	20.000	
Endrin ketone	AVRG	2029.23625	2.893	20.000	
Endrin aldehyde	AVRG	1491.81000	5.541	20.000	
Chlordane	AVRG	49.5000000	0.000	20.000	<-
(2)	AVRG	35.8000000	0.000	20.000	<-
(3)	AVRG	221.860000	0.000	20.000	<-
(4)	AVRG	196.280000	0.000	20.000	<-
(5)	AVRG	198.900000	0.000	20.000	<-
Toxaphene	AVRG	19.9860000	0.000	20.000	<-
(2)	AVRG	33.9060000	0.000	20.000	<-
(3)	AVRG	34.8600000	0.000	20.000	<-
(4)	AVRG	41.2920000	0.000	20.000	<-
(5)	AVRG	26.1020000	0.000	20.000	<-
Mirex	AVRG	1297.42875	1.943	20.000	
gamma-Chlordane	AVRG	2289.86750	5.619	20.000	
alpha-Chlordane	AVRG	2203.70500	4.161	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	1944.04500	4.042	20.000	
Decachlorobiphenyl	AVRG	1509.84000	4.424	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0112 0330

LAB FILE ID: RF1: 20AUG091728-RRF2: 20AUG091728-RRF3: 20AUG091728-R
RF4: 20AUG091728-RRF5: 20AUG091728-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	1977.200	1956.500	2183.650	2317.575	2359.650
beta-BHC	876.200	824.800	829.450	819.100	843.800
delta-BHC	1795.200	1789.000	1945.050	2079.300	2170.225
gamma-BHC (Lindane)	1817.800	1800.700	1978.050	2069.625	2166.688
Heptachlor	1184.800	1208.600	1298.850	1407.675	1492.362
Aldrin	1555.800	1593.900	1675.000	1750.800	1824.238
Heptachlor epoxide	1268.000	1302.600	1343.400	1382.400	1423.588
Endosulfan I	1158.800	1173.800	1229.850	1262.125	1275.925
Dieldrin	1198.100	1226.450	1287.825	1373.450	1396.388
4,4'-DDE	1289.500	1326.700	1453.250	1524.562	1549.138
Endrin	988.500	1012.150	1070.775	1128.825	1163.069
Endosulfan II	978.400	967.000	1024.300	1072.788	1067.088
4,4'-DDD	847.700	849.250	879.200	913.812	948.569
Endosulfan sulfate	837.400	834.000	853.950	908.462	934.962
4,4'-DDT	657.000	681.650	711.025	753.138	769.419
Methoxychlor	336.960	324.400	327.610	332.392	319.521
Endrin ketone	1000.100	977.500	996.650	1039.300	1042.675
Endrin aldehyde	789.800	794.050	811.775	869.375	863.400
Chlordane	33.000				
(2)	22.980				
(3)	139.340				
(4)	84.800				
(5)	114.180				
Toxaphene	27.016				
(2)	25.026				
(3)	22.958				
(4)	21.740				
(5)	12.494				
Mirex	720.900	677.900	663.550	654.900	661.144
gamma-Chlordane	1252.400	1267.500	1319.700	1371.975	1417.212
alpha-Chlordane	1242.600	1260.000	1300.000	1369.500	1376.400
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	1214.000	1222.900	1261.850	1298.475	1308.200
Decachlorobiphenyl	994.200	953.300	881.550	880.925	869.238

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date(s): 08/21/09 08/21/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0112 0330

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	2158.91500	8.668	20.000	
beta-BHC	AVRG	838.670000	2.729	20.000	
delta-BHC	AVRG	1955.75500	8.668	20.000	
gamma-BHC (Lindane)	AVRG	1966.57250	8.058	20.000	
Heptachlor	AVRG	1318.45750	9.927	20.000	
Aldrin	AVRG	1679.94750	6.567	20.000	
Heptachlor epoxide	AVRG	1343.99750	4.602	20.000	
Endosulfan I	AVRG	1220.10000	4.274	20.000	
Dieldrin	AVRG	1296.44250	6.742	20.000	
4,4'-DDE	AVRG	1428.63000	8.139	20.000	
Endrin	AVRG	1072.66375	6.926	20.000	
Endosulfan II	AVRG	1021.91500	4.780	20.000	
4,4'-DDD	AVRG	887.706250	4.890	20.000	
Endosulfan sulfate	AVRG	873.755000	5.196	20.000	
4,4'-DDT	AVRG	714.446250	6.605	20.000	
Methoxychlor	AVRG	328.176750	2.069	20.000	
Endrin ketone	AVRG	1011.24500	2.819	20.000	
Endrin aldehyde	AVRG	825.680000	4.617	20.000	
Chlordane	AVRG	33.0000000	0.000	20.000	<-
(2)	AVRG	22.9800000	0.000	20.000	<-
(3)	AVRG	139.340000	0.000	20.000	<-
(4)	AVRG	84.8000000	0.000	20.000	<-
(5)	AVRG	114.180000	0.000	20.000	<-
Toxaphene	AVRG	27.0160000	0.000	20.000	<-
(2)	AVRG	25.0260000	0.000	20.000	<-
(3)	AVRG	22.9580000	0.000	20.000	<-
(4)	AVRG	21.7400000	0.000	20.000	<-
(5)	AVRG	12.4940000	0.000	20.000	<-
Mirex	AVRG	675.678750	3.944	20.000	
gamma-Chlordane	AVRG	1325.75750	5.241	20.000	
alpha-Chlordane	AVRG	1309.70000	4.690	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	1261.08500	3.386	20.000	
Decachlorobiphenyl	AVRG	915.842500	6.008	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date: 08/21/09 Time: 2000

Lab File ID: 21AUG091301-R1 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	3547.267	3301.350		6.9	15.0
beta-BHC	1336.145	1215.450		9.0	15.0
delta-BHC	3252.657	2970.850		8.7	15.0
gamma-BHC (Lindane)	3324.940	3029.250		8.9	15.0
Heptachlor	2783.555	2518.500		9.5	15.0
Aldrin	2741.990	2521.300		8.0	15.0
Heptachlor epoxide	2293.418	2096.300		8.6	15.0
Endosulfan I	2060.325	1892.100		8.2	15.0
Dieldrin	2230.764	2105.675		5.6	15.0
4,4'-DDE	2312.144	2186.975		5.4	15.0
Endrin	1972.367	1821.300		7.6	15.0
Endosulfan II	1790.430	1729.250		3.4	15.0
4,4'-DDD	1701.375	1609.425		5.4	15.0
Endosulfan sulfate	1648.411	1556.775		5.6	15.0
4,4'-DDT	1632.623	1536.050		5.9	15.0
Methoxychlor	784.796	808.830		3.1	15.0
Endrin ketone	2029.236	1996.825		1.6	15.0
Endrin aldehyde	1491.810	1381.700		7.4	15.0
Mirex	1297.429	1254.100		3.3	15.0
gamma-Chlordane	2289.867	2095.150		8.5	15.0
alpha-Chlordane	2203.705	2021.900		8.2	15.0
Tetrachloro-m-xylene	1944.045	1705.400		12.3	15.0
Decachlorobiphenyl	1509.840	1460.150		3.3	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_1 Calibration Date: 08/21/09 Time: 2304

Lab File ID: 21AUG091722-R0 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D	
alpha-BHC	3547.267	3156.250		11.0	15.0	
beta-BHC	1336.145	1178.850		11.8	15.0	
delta-BHC	3252.657	2973.100		8.6	15.0	
gamma-BHC (Lindane)	3324.940	2985.700		10.2	15.0	
Heptachlor	2783.555	2461.150		11.6	15.0	
Aldrin	2741.990	2446.750		10.8	15.0	
Heptachlor epoxide	2293.418	2080.200		9.3	15.0	
Endosulfan I	2060.325	1883.750		8.6	15.0	
Dieldrin	2230.764	2090.250		6.3	15.0	
4,4'-DDE	2312.144	2161.950		6.5	15.0	
Endrin	1972.367	1814.225		8.0	15.0	
Endosulfan II	1790.430	1698.250		5.1	15.0	
4,4'-DDD	1701.375	1648.700		3.1	15.0	
Endosulfan sulfate	1648.411	1621.350		1.6	15.0	
4,4'-DDT	1632.623	1520.050		6.9	15.0	
Methoxychlor	784.796	797.385		1.6	15.0	
Endrin ketone	2029.236	1987.800		2.0	15.0	
Endrin aldehyde	1491.810	1400.600		6.1	15.0	
Mirex	1297.429	1230.325		5.2	15.0	
gamma-Chlordane	2289.867	2087.050		8.8	15.0	
alpha-Chlordane	2203.705	1998.700		9.3	15.0	
Tetrachloro-m-xylene	1944.045	1632.850		16.0	15.0	<-
Decachlorobiphenyl	1509.840	1433.450		5.0	15.0	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date: 08/21/09 Time: 2000

Lab File ID: 21AUG091301-R1 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	2158.915	2006.100		7.1	15.0
beta-BHC	838.670	784.650		6.4	15.0
delta-BHC	1955.755	1815.850		7.2	15.0
gamma-BHC (Lindane)	1966.573	1839.400		6.5	15.0
Heptachlor	1318.457	1237.700		6.1	15.0
Aldrin	1679.948	1573.250		6.4	15.0
Heptachlor epoxide	1343.998	1266.300		5.8	15.0
Endosulfan I	1220.100	1169.350		4.2	15.0
Dieldrin	1296.443	1250.775		3.5	15.0
4,4'-DDE	1428.630	1368.350		4.2	15.0
Endrin	1072.664	1028.900		4.1	15.0
Endosulfan II	1021.915	1002.725		1.9	15.0
4,4'-DDD	887.706	884.600		0.3	15.0
Endosulfan sulfate	873.755	844.950		3.3	15.0
4,4'-DDT	714.446	698.350		2.2	15.0
Methoxychlor	328.177	328.170		0.0	15.0
Endrin ketone	1011.245	1014.025		0.3	15.0
Endrin aldehyde	825.680	815.575		1.2	15.0
Mirex	675.679	662.075		2.0	15.0
gamma-Chlordane	1325.757	1271.800		4.1	15.0
alpha-Chlordane	1309.700	1231.350		6.0	15.0
Tetrachloro-m-xylene	1261.085	1160.200		8.0	15.0
Decachlorobiphenyl	915.843	915.600		0.0	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Instrument ID: 0911_2 Calibration Date: 08/21/09 Time: 2304

Lab File ID: 21AUG091722-R0 Init. Calib. Date(s): 08/21/09 08/21/09

Init. Calib. Times: 0112 0244

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	2158.915	1982.350		8.2	15.0
beta-BHC	838.670	775.050		7.6	15.0
delta-BHC	1955.755	1802.700		7.8	15.0
gamma-BHC (Lindane)	1966.573	1838.750		6.5	15.0
Heptachlor	1318.457	1214.500		7.9	15.0
Aldrin	1679.948	1570.550		6.5	15.0
Heptachlor epoxide	1343.998	1280.850		4.7	15.0
Endosulfan I	1220.100	1159.100		5.0	15.0
Dieldrin	1296.443	1281.575		1.1	15.0
4,4'-DDE	1428.630	1372.775		3.9	15.0
Endrin	1072.664	1024.525		4.5	15.0
Endosulfan II	1021.915	1001.325		2.0	15.0
4,4'-DDD	887.706	890.500		0.3	15.0
Endosulfan sulfate	873.755	870.250		0.4	15.0
4,4'-DDT	714.446	692.250		3.1	15.0
Methoxychlor	328.177	336.685		2.6	15.0
Endrin ketone	1011.245	1035.450		2.4	15.0
Endrin aldehyde	825.680	814.250		1.4	15.0
Mirex	675.679	676.400		0.1	15.0
gamma-Chlordane	1325.757	1274.200		3.9	15.0
alpha-Chlordane	1309.700	1239.600		5.4	15.0
Tetrachloro-m-xylene	1261.085	1103.800		12.5	15.0
Decachlorobiphenyl	915.843	895.200		2.2	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 08/21/09 08/21/09

Instrument ID: 0911_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.22 DCB: 14.05

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	08/21/09	0048	5.20	14.04
02	INDA_B-1	INDA_B-1	08/21/09	0112	5.22	14.06
03	INDA_B-2	INDA_B-2	08/21/09	0134	5.22	14.05
04	INDA_B-3	INDA_B-3	08/21/09	0157	5.22	14.05
05	INDA_B-4	INDA_B-4	08/21/09	0221	5.22	14.06
06	INDA_B-5	INDA_B-5	08/21/09	0244	5.22	14.06
07	TOX 500	TOX 500	08/21/09	0307	5.22	14.06
08	T-CHLOR 50	T-CHLOR 50	08/21/09	0330	5.22	14.06
09	INDAB ICV	INDAB ICV	08/21/09	0353	5.22	14.06
10	BCS	BCS	08/21/09	1936	5.21	14.05
11	INDA_B-3	INDA_B-3	08/21/09	2000	5.21	14.05
12	MBLK081309C	MBLK081309C	08/21/09	2023	5.21	14.05
13	C081309LCS	C081309LCS	08/21/09	2046	5.21	14.05
14	TS10036	803239	08/21/09	2109	5.22	14.05
15	TS10037	803240	08/21/09	2132	5.21	14.05
16	TS10037MS	803240MS	08/21/09	2155	5.22	14.05
17	TS10037MSD	803240MD	08/21/09	2218	5.21	14.05
18	BCS	BCS	08/21/09	2241	5.22	14.05
19	INDA_B-3	INDA_B-3	08/21/09	2304	5.22	14.05
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 08/21/09 08/21/09

Instrument ID: 0911_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.89 DCB: 14.18

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	08/21/09	0048	4.90	14.19
02	INDA_B-1	INDA_B-1	08/21/09	0112	4.90	14.18
03	INDA_B-2	INDA_B-2	08/21/09	0134	4.89	14.18
04	INDA_B-3	INDA_B-3	08/21/09	0157	4.89	14.18
05	INDA_B-4	INDA_B-4	08/21/09	0221	4.90	14.19
06	INDA_B-5	INDA_B-5	08/21/09	0244	4.90	14.19
07	TOX 500	TOX 500	08/21/09	0307	4.89	14.18
08	T-CHLOR 50	T-CHLOR 50	08/21/09	0330	4.90	14.19
09	INDAB ICV	INDAB ICV	08/21/09	0353	4.90	14.19
10	BCS	BCS	08/21/09	1936	4.88	14.17
11	INDA_B-3	INDA_B-3	08/21/09	2000	4.89	14.17
12	MBLK081309C	MBLK081309C	08/21/09	2023	4.89	14.18
13	C081309LCS	C081309LCS	08/21/09	2046	4.90	14.19
14	TS10036	803239	08/21/09	2109	4.90	14.18
15	TS10037	803240	08/21/09	2132	4.89	14.18
16	TS10037MS	803240MS	08/21/09	2155	4.89	14.18
17	TS10037MSD	803240MD	08/21/09	2218	4.89	14.17
18	BCS	BCS	08/21/09	2241	4.90	14.19
19	INDA_B-3	INDA_B-3	08/21/09	2304	4.90	14.18
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	5.93	5.88	5.98	5.3	
	2	5.67	5.62	5.72	5.3	0.0
beta-BHC	1	6.42	6.37	6.47	5.3	
	2	6.17	6.12	6.22	5.8	9.0
delta-BHC	1	6.64	6.59	6.69	5.3	
	2	6.50	6.45	6.55	5.4	1.9
gamma-BHC (Lindane)	1	6.32	6.27	6.37	5.3	
	2	6.07	6.02	6.12	5.5	3.7
Heptachlor	1	6.91	6.86	6.96	4.9	
	2	6.57	6.52	6.62	5.6	13
Aldrin	1	7.30	7.25	7.35	4.9	
	2	6.96	6.91	7.01	5.2	5.9
Heptachlor epoxide	1	8.17	8.12	8.22	5.3	
	2	7.72	7.67	7.77	5.5	3.7
Endosulfan I	1	8.78	8.73	8.83	5.2	
	2	8.28	8.23	8.33	5.4	3.8

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.17	9.12	9.22	10	
	2	8.71	8.66	8.76	11	9.5
4,4'-DDE	1	8.68	8.63	8.73	10	
	2	8.49	8.44	8.54	10	0.0
Endrin	1	9.57	9.52	9.62	10	
	2	9.21	9.16	9.26	11	9.5
Endosulfan II	1	9.97	9.92	10.02	10	
	2	9.58	9.53	9.63	11	9.5
4,4'-DDD	1	9.69	9.64	9.74	10	
	2	9.45	9.40	9.50	11	9.5
Endosulfan sulfate	1	11.58	11.53	11.63	9.2	
	2	10.73	10.69	10.79	9.6	4.3
4,4'-DDT	1	10.20	10.16	10.26	11	
	2	10.02	9.97	10.07	12	8.7
Methoxychlor	1	11.13	11.08	11.18	60	
	2	11.38	11.34	11.44	59	1.7

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.09	12.05	12.15	10	
	2	11.72	11.68	11.78	11	9.5
Endrin aldehyde	1	10.75	10.70	10.80	6.1	
	2	10.21	10.16	10.26	6.4	4.8
gamma-Chlordane	1	8.35	8.30	8.40	5.2	
	2	7.99	7.94	8.04	5.6	7.4
alpha-Chlordane	1	8.56	8.51	8.61	4.7	
	2	8.20	8.16	8.26	4.9	4.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MD Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	5.93	5.88	5.98	5.2	
	2	5.66	5.62	5.72	5.4	3.8
beta-BHC	1	6.42	6.37	6.47	5.3	
	2	6.16	6.12	6.22	5.9	11
delta-BHC	1	6.64	6.59	6.69	5.4	
	2	6.49	6.45	6.55	5.5	1.8
gamma-BHC (Lindane)	1	6.31	6.27	6.37	5.3	
	2	6.06	6.02	6.12	5.6	5.5
Heptachlor	1	6.90	6.86	6.96	5.2	
	2	6.56	6.52	6.62	5.8	11
Aldrin	1	7.30	7.25	7.35	5.3	
	2	6.95	6.91	7.01	5.4	1.9
Heptachlor epoxide	1	8.16	8.12	8.22	5.7	
	2	7.71	7.67	7.77	5.8	1.7
Endosulfan I	1	8.78	8.73	8.83	5.6	
	2	8.27	8.23	8.33	5.8	3.5

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MD Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.17	9.12	9.22	11	
	2	8.70	8.66	8.76	12	8.7
4,4'-DDE	1	8.68	8.63	8.73	11	
	2	8.48	8.44	8.54	12	8.7
Endrin	1	9.56	9.52	9.62	11	
	2	9.20	9.16	9.26	12	8.7
Endosulfan II	1	9.96	9.92	10.02	11	
	2	9.57	9.53	9.63	11	0.0
4,4'-DDD	1	9.69	9.64	9.74	11	
	2	9.44	9.40	9.50	12	8.7
Endosulfan sulfate	1	11.57	11.53	11.63	9.9	
	2	10.73	10.69	10.79	10	1.0
4,4'-DDT	1	10.20	10.16	10.26	12	
	2	10.01	9.97	10.07	13	8.0
Methoxychlor	1	11.13	11.08	11.18	59	
	2	11.38	11.34	11.44	62	5.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10037MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: 803240MD Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.09	12.05	12.15	11	
	2	11.72	11.68	11.78	11	0.0
Endrin aldehyde	1	10.75	10.70	10.80	6.5	
	2	10.20	10.16	10.26	7.1	8.8
gamma-Chlordane	1	8.35	8.30	8.40	5.6	
	2	7.98	7.94	8.04	5.9	5.2
alpha-Chlordane	1	8.55	8.51	8.61	5.0	
	2	8.20	8.16	8.26	5.3	5.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: C081309LCS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	5.93	5.88	5.98	4.1	
	2	5.67	5.62	5.72	4.5	9.3
beta-BHC	1	6.42	6.37	6.47	4.4	
	2	6.17	6.12	6.22	4.8	8.7
delta-BHC	1	6.64	6.59	6.69	4.3	
	2	6.51	6.45	6.55	4.4	2.3
gamma-BHC (Lindane)	1	6.31	6.27	6.37	4.3	
	2	6.07	6.02	6.12	4.5	4.5
Heptachlor	1	6.90	6.86	6.96	4.1	
	2	6.57	6.52	6.62	4.7	14
Aldrin	1	7.30	7.25	7.35	4.2	
	2	6.96	6.91	7.01	4.4	4.7
Heptachlor epoxide	1	8.16	8.12	8.22	4.5	
	2	7.72	7.67	7.77	4.7	4.3
Endosulfan I	1	8.78	8.73	8.83	4.5	
	2	8.29	8.23	8.33	4.6	2.2

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: C081309LCS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.17	9.12	9.22	8.8	
	2	8.72	8.66	8.76	9.1	3.4
4,4'-DDE	1	8.68	8.63	8.73	8.9	
	2	8.49	8.44	8.54	9.1	2.2
Endrin	1	9.57	9.52	9.62	8.9	
	2	9.21	9.16	9.26	9.2	3.3
Endosulfan II	1	9.97	9.92	10.02	9.0	
	2	9.59	9.53	9.63	9.2	2.2
4,4'-DDD	1	9.69	9.64	9.74	9.1	
	2	9.46	9.40	9.50	9.5	4.3
Endosulfan sulfate	1	11.57	11.53	11.63	8.3	
	2	10.74	10.69	10.79	8.5	2.4
4,4'-DDT	1	10.20	10.16	10.26	9.5	
	2	10.03	9.97	10.07	10	5.1
Methoxychlor	1	11.13	11.08	11.18	51	
	2	11.39	11.34	11.44	50	2.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C081309LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL472

Lab Sample ID: C081309LCS Date(s) Analyzed: 08/21/09 08/21/09

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.09	12.05	12.15	8.9	
	2	11.73	11.68	11.78	9.3	4.4
Endrin aldehyde	1	10.75	10.70	10.80	5.1	
	2	10.21	10.16	10.26	5.4	5.7
gamma-Chlordane	1	8.35	8.30	8.40	4.4	
	2	7.99	7.94	8.04	4.8	8.7
alpha-Chlordane	1	8.56	8.51	8.61	4.1	
	2	8.21	8.16	8.26	4.3	4.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10036

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803239

Phase Weight: 9.90 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: 100 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	51	U
11104-28-2	Aroclor-1221	51	U
11141-16-5	Aroclor-1232	51	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	51	U
11097-69-1	Aroclor-1254	51	U
11096-82-5	Aroclor-1260	51	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10037

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803240

Phase Weight: 10.03 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: 95 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	52	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK814F

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: PBLK814F

Phase Weight: 10.03 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10037MS

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803240MS

Phase Weight: 10.10 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 10.0 Date Analyzed: 08/20/09

% Solids: 95 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	520	U
11104-28-2	Aroclor-1221	520	U
11141-16-5	Aroclor-1232	520	U
53469-21-9	Aroclor-1242	7100	
12672-29-6	Aroclor-1248	520	U
11097-69-1	Aroclor-1254	7400	
11096-82-5	Aroclor-1260	520	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10037MSD

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: 803240MD

Phase Weight: 9.98 (g) Date Received: 08/11/09

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 10.0 Date Analyzed: 08/20/09

% Solids: 95 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	530	U
11104-28-2	Aroclor-1221	530	U
11141-16-5	Aroclor-1232	530	U
53469-21-9	Aroclor-1242	5000	
12672-29-6	Aroclor-1248	530	U
11097-69-1	Aroclor-1254	5200	
11096-82-5	Aroclor-1260	530	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS814F

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL472

Phase Type: SOIL Lab Sample ID: PLCS814F

Phase Weight: 10.02 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 08/14/09

Dilution Factor: 1.0 Date Analyzed: 08/20/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	560	
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	580	
11096-82-5	Aroclor-1260	50	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.	TCX 1 % REC	#	TCX 2 % REC	#	DCB 1 % REC	#	DCB 2 % REC	#
PBLK814F	105		105		124		126	
PLCS814F	108		108		125		119	
TS10036	79		76		92		86	
TS10037	106		104		125		120	
TS10037MS	110	D	107	D	121	D	120	D
TS10037MSD	76	D	73	D	82	D	84	D

Project Specific
QC Limits
(60 - 150)
(60 - 150)

TCX = Tetrachloro-meta-Xylene
DCB = Decachlorobiphenyl

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3
AROCLOR MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.: TS10037

Compound	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTATION ug/Kg	MS % REC #	QC LIMITS REC.
Aroclor 1242	5211	0	7073	136	39-150
Aroclor 1254	5211	0	7369	141 *	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 1 out of 2 outside limits.

Comments:

FORM 3
AROCLOR MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.: TS10037

Compound	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1242	5274	4955	94	35 *	30	39-150
Aroclor 1254	5274	5151	98	35 *	30	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

RPD: 2 out of 2 outside limits.
Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL472

EPA SAMPLE NO.: PLCS814F

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	499	559	112	39-150
Aroclor 1254	499	578	116	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK814F	SDG:	KAL472
Matrix:	SOIL	Level:	LOW
Date Extracted:	08/14/09	Date Analyzed(2):	08/20/09
Date Analyzed(1):	08/20/09	Time Analyzed(2):	04:57
Time Analyzed(1):	04:57	GC ID(2):	HP7227
GC ID(1):	HP7227	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS814F	PLCS814F	08/20/09	08/20/09
803239	TS10036	08/20/09	08/20/09
803240	TS10037	08/20/09	08/20/09
803240MS	TS10037MS	08/20/09	08/20/09
803240MD	TS10037MSD	08/20/09	08/20/09

7227_081209F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	12-Aug-09	23:01 to	
GC:	HP-7227		13-Aug-09	12:44	
Col. 1:	RTX-5				
Col. 2:	RTX-35	File:	01,02 12AUG092144		

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		55.6	105	206	397	787	
	Cal Fact	1.112	1.050	1.030	0.993	0.984	5.0
	% Diff	-11	-5	-3	1	2	
Aroclor 1221		56.3	107	207	403	777	
	Cal Fact	1.126	1.070	1.035	1.008	0.971	5.7
	% Diff	-13	-7	-4	-1	3	
Aroclor 1232		55.2	108	206	407	773	
	Cal Fact	1.104	1.080	1.030	1.018	0.966	5.2
	% Diff	-10	-8	-3	-2	3	
Aroclor 1242		54.1	107	203	394	792	
	Cal Fact	1.082	1.070	1.015	0.985	0.990	4.4
	% Diff	-8	-7	-2	2	1	
Aroclor 1248		54.1	106	206	393	791	
	Cal Fact	1.082	1.060	1.030	0.983	0.989	4.2
	% Diff	-8	-6	-3	2	1	
Aroclor 1254		53.6	104	200	390	803	
	Cal Fact	1.072	1.040	1.000	0.975	1.004	3.7
	% Diff	-7	-4	0	3	0	
Aroclor 1260		49.2	94.5	192	383	832	
	Cal Fact	0.984	0.945	0.960	0.958	1.040	3.9
	% Diff	2	6	4	4	-4	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL472F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP7227
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 01,02 12AUG092144
date/time: 8/12/2009 23:01 to 8/13/2009 12:44

Check Standard File: 01,02 19AUG092115,16
Date: 8/20/2009
Time: 3:20

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	227	13.5

Check Standard File: 01,02 19AUG092115,17
Date: 8/20/2009
Time: 3:45

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1254	200	229	14.5

Check Standard File: 01,02 19AUG092115,27
Date: 8/20/2009
Time: 7:47

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	226	13.0

Check Standard File: 01,02 19AUG092115,28
Date: 8/20/2009
Time: 8:11

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	216	8.0

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	12-Aug-2009 23:01	3.59	13.90	
AR1016 100ppb	AR1016 100	12-Aug-2009 23:26	3.58	13.90	
AR1016 200ppb	AR1016 200	12-Aug-2009 23:50	3.59	13.90	
AR1016 400ppb	AR1016 400	13-Aug-2009 00:14	3.59	13.91	
AR1016 800ppb	AR1016 800	13-Aug-2009 00:38	3.59	13.91	
AR1221 50ppb	AR1221 50	13-Aug-2009 01:02	3.59	13.91	
AR1221 100ppb	AR1221 100	13-Aug-2009 01:27	3.60	13.91	
AR1221 200ppb	AR1221 200	13-Aug-2009 01:51	3.60	13.91	
AR1221 400ppb	AR1221 400	13-Aug-2009 02:15	3.60	13.91	
AR1221 800ppb	AR1221 800	13-Aug-2009 02:39	3.58	13.90	
AR1232 50ppb	AR1232 50	13-Aug-2009 03:03	3.58	13.90	
AR1232 100ppb	AR1232 100	13-Aug-2009 03:27	3.58	13.90	
AR1232 200ppb	AR1232 200	13-Aug-2009 03:52	3.58	13.90	
AR1232 400ppb	AR1232 400	13-Aug-2009 04:16	3.58	13.90	
AR1232 800ppb	AR1232 800	13-Aug-2009 04:40	3.59	13.90	
AR1242 50ppb	AR1242 50	13-Aug-2009 05:04	3.59	13.90	
AR1242 100ppb	AR1242 100	13-Aug-2009 05:28	3.59	13.91	
AR1242 200ppb	AR1242 200	13-Aug-2009 05:52	3.59	13.90	
AR1242 400ppb	AR1242 400	13-Aug-2009 06:17	3.60	13.91	
AR1242 800ppb	AR1242 800	13-Aug-2009 06:41	3.59	13.91	
AR1248 50ppb	AR1248 50	13-Aug-2009 07:05	3.59	13.91	
AR1248 100ppb	AR1248 100	13-Aug-2009 07:29	3.60	13.91	
AR1248 200ppb	AR1248 200	13-Aug-2009 07:53	3.60	13.91	
AR1248 400ppb	AR1248 400	13-Aug-2009 08:18	3.60	13.91	
AR1248 800ppb	AR1248 800	13-Aug-2009 08:42	3.58	13.90	
AR1254 50ppb	AR1254 50	13-Aug-2009 09:06	3.58	13.90	
AR1254 100ppb	AR1254 100	13-Aug-2009 09:30	3.59	13.90	
AR1254 200ppb	AR1254 200	13-Aug-2009 09:54	3.59	13.90	
AR1254 400ppb	AR1254 400	13-Aug-2009 10:19	3.59	13.90	
AR1254 800ppb	AR1254 800	13-Aug-2009 10:43	3.59	13.90	
AR1260 50ppb	AR1260 50	13-Aug-2009 11:07	3.59	13.90	
AR1260 100ppb	AR1260 100	13-Aug-2009 11:31	3.59	13.90	
AR1260 200ppb	AR1260 200	13-Aug-2009 11:55	3.59	13.90	
AR1260 400ppb	AR1260 400	13-Aug-2009 12:19	3.59	13.90	
AR1260 800ppb	AR1260 800	13-Aug-2009 12:44	3.59	13.90	
AR1248 200	AR1248 200	20-Aug-2009 03:20	3.58	13.89	
AR1254 200	AR1254 200	20-Aug-2009 03:45	3.59	13.90	
PBLK814F	PBLK814F	20-Aug-2009 04:57	3.58	13.89	
PLCS814F	PLCS814F	20-Aug-2009 05:21	3.58	13.89	
803239	TS10036	20-Aug-2009 05:46	3.58	13.89	
803240	TS10037	20-Aug-2009 06:10	3.58	13.89	
803240MS;1:10	TS10037MS	20-Aug-2009 06:34	3.59	13.90	
803240MD;1:10	TS10037MSD	20-Aug-2009 06:58	3.59	13.90	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.59 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 13.90 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	20-Aug-2009 07:47	3.59	13.90	
AR1260 200	AR1260 200	20-Aug-2009 08:11	3.59	13.90	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.59	TCX:Tetrachloro-meta-xylene	(■ 0.04 minutes)
DCB: 13.90	DCB:Decachlorobiphenyl	(■ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	12-Aug-2009 23:01	4.12	14.96	
AR1016 100ppb	AR1016 100	12-Aug-2009 23:26	4.14	14.97	
AR1016 200ppb	AR1016 200	12-Aug-2009 23:50	4.12	14.96	
AR1016 400ppb	AR1016 400	13-Aug-2009 00:14	4.13	14.96	
AR1016 800ppb	AR1016 800	13-Aug-2009 00:38	4.13	14.96	
AR1221 50ppb	AR1221 50	13-Aug-2009 01:02	4.13	14.96	
AR1221 100ppb	AR1221 100	13-Aug-2009 01:27	4.13	14.97	
AR1221 200ppb	AR1221 200	13-Aug-2009 01:51	4.13	14.97	
AR1221 400ppb	AR1221 400	13-Aug-2009 02:15	4.13	14.96	
AR1221 800ppb	AR1221 800	13-Aug-2009 02:39	4.12	14.95	
AR1232 50ppb	AR1232 50	13-Aug-2009 03:03	4.12	14.96	
AR1232 100ppb	AR1232 100	13-Aug-2009 03:27	4.13	14.96	
AR1232 200ppb	AR1232 200	13-Aug-2009 03:52	4.13	14.96	
AR1232 400ppb	AR1232 400	13-Aug-2009 04:16	4.12	14.95	
AR1232 800ppb	AR1232 800	13-Aug-2009 04:40	4.12	14.96	
AR1242 50ppb	AR1242 50	13-Aug-2009 05:04	4.12	14.95	
AR1242 100ppb	AR1242 100	13-Aug-2009 05:28	4.13	14.96	
AR1242 200ppb	AR1242 200	13-Aug-2009 05:52	4.13	14.96	
AR1242 400ppb	AR1242 400	13-Aug-2009 06:17	4.13	14.96	
AR1242 800ppb	AR1242 800	13-Aug-2009 06:41	4.13	14.96	
AR1248 50ppb	AR1248 50	13-Aug-2009 07:05	4.13	14.96	
AR1248 100ppb	AR1248 100	13-Aug-2009 07:29	4.14	14.97	
AR1248 200ppb	AR1248 200	13-Aug-2009 07:53	4.13	14.96	
AR1248 400ppb	AR1248 400	13-Aug-2009 08:18	4.14	14.97	
AR1248 800ppb	AR1248 800	13-Aug-2009 08:42	4.13	14.96	
AR1254 50ppb	AR1254 50	13-Aug-2009 09:06	4.12	14.95	
AR1254 100ppb	AR1254 100	13-Aug-2009 09:30	4.13	14.96	
AR1254 200ppb	AR1254 200	13-Aug-2009 09:54	4.12	14.95	
AR1254 400ppb	AR1254 400	13-Aug-2009 10:19	4.13	14.96	
AR1254 800ppb	AR1254 800	13-Aug-2009 10:43	4.14	14.97	
AR1260 50ppb	AR1260 50	13-Aug-2009 11:07	4.12	14.95	
AR1260 100ppb	AR1260 100	13-Aug-2009 11:31	4.13	14.96	
AR1260 200ppb	AR1260 200	13-Aug-2009 11:55	4.12	14.96	
AR1260 400ppb	AR1260 400	13-Aug-2009 12:19	4.13	14.96	
AR1260 800ppb	AR1260 800	13-Aug-2009 12:44	4.12	14.96	
AR1248 200	AR1248 200	20-Aug-2009 03:20	4.14	14.97	
AR1254 200	AR1254 200	20-Aug-2009 03:45	4.13	14.97	
PBLK814F	PBLK814F	20-Aug-2009 04:57	4.12	14.95	
PLCS814F	PLCS814F	20-Aug-2009 05:21	4.12	14.95	
803239	TS10036	20-Aug-2009 05:46	4.11	14.95	
803240	TS10037	20-Aug-2009 06:10	4.12	14.95	
803240MS;1:10	TS10037MS	20-Aug-2009 06:34	4.13	14.96	
803240MD;1:10	TS10037MSD	20-Aug-2009 06:58	4.12	14.96	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.13 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.96 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL472
Initial Calib. Date: 12-AUG-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	20-Aug-2009 07:47	4.13	14.96	
AR1260 200	AR1260 200	20-Aug-2009 08:11	4.12	14.95	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.13 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.96 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093061***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/21/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093061. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***093061***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10036"***

Sampled By : ***BL of ARCADIS of New York, Inc.***

Sample Date : ***08/10/09***

Sample Time : ***1430***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093061-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	95.86	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, VOA	Completed		EPA 5035	08/12/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	08/12/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	08/19/09	KTL	
Prep, SV BN	Completed		EPA 3545	08/12/09	GMB	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	08/19/09	KTL	
12DCA-D4 (surr spk)	98	% spike recovery	EPA 8260	08/12/09	JAR	
BFB (surr spk)	98	% spike recovery	EPA 8260	08/12/09	JAR	
Toluene-D8 (surr spk)	103	% spike recovery	EPA 8260	08/12/09	JAR	
2FB (surr spk)	56	% spike recovery	EPA 8270	08/19/09	KTL	
Terphenyl D14 (surr spk)	77	% spike recovery	EPA 8270	08/19/09	KTL	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***093061***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10037"***

Sampled By : ***BL of ARCADIS of New York, Inc.***

Sample Date : ***08/10/09***

Sample Time : ***1430***

Date Received : ***08/10/09***

Sample Type : ***soil***

KAR Sample No. : ***093061-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	99.78	% by weight	SM 2540 B mod.	08/11/09	JAR	
Prep, VOA	Completed		EPA 5035	08/12/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	08/12/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	08/19/09	KTL	
Prep, SV BN	Completed		EPA 3545	08/12/09	GMB	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	08/19/09	KTL	
12DCA-D4 (surr spk)	96	% spike recovery	EPA 8260	08/12/09	JAR	
BFB (surr spk)	100	% spike recovery	EPA 8260	08/12/09	JAR	
Toluene-D8 (surr spk)	102	% spike recovery	EPA 8260	08/12/09	JAR	
2FB (surr spk)	63	% spike recovery	EPA 8270	08/19/09	KTL	
Terphenyl D14 (surr spk)	74	% spike recovery	EPA 8270	08/19/09	KTL	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***093061***

Date Reported : ***08/24/09***

Project Desc. : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank***

Sampled By :

Sample Date :

Sample Time :

Date Received : ***08/10/09***

Sample Type : ***LMB-soil***

KAR Sample No. : ***093061-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	08/12/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	08/12/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	08/19/09	KTL	
Prep, SV BN	Completed		EPA 3545	08/12/09	GMB	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	08/19/09	KTL	
12DCA-D4 (surr spk)	95	% spike recovery	EPA 8260	08/12/09	JAR	
BFB (surr spk)	102	% spike recovery	EPA 8260	08/12/09	JAR	
Toluene-D8 (surr spk)	99	% spike recovery	EPA 8260	08/12/09	JAR	
2FB (surr spk)	61	% spike recovery	EPA 8270	08/19/09	KTL	
Terphenyl D14 (surr spk)	80	% spike recovery	EPA 8270	08/19/09	KTL	

KAR *Laboratories, Inc.*

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www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093061***
Date Reported :	***08/24/09***
Date Activated :	***08/10/09***
Date Due :	***08/24/09***
Date Validated :	***08/21/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093061. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093061*

Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).*

Sample ID : *"TS10036"*

Sampled By : *BL of ARCADIS of New York, Inc.* **Date Sampled :** *08/10/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1430* **Sample No. :** *093061-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	98 % spike recovery								63-132	NA	EPA 8260	08/12/09	JAR		
2FB (surr spk)	56 % spike recovery								30-115	NA	EPA 8270	08/19/09	KTL		
BFB (surr spk)	98 % spike recovery								88-135	NA	EPA 8260	08/12/09	JAR		
Dry weight solids	95.86 % by weight							0.5 %		5	SM 2540 B mod.	08/11/09	JAR		
Prep, SV BN	Completed										EPA 3545	08/12/09	GMB		
Prep, VOA	Completed										EPA 5035	08/12/09	JAR		Sample was field-preserved at time of collection.
SVOA surr. - Base/Neutrals	See below										EPA 8270	08/19/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample		78.0 %	85.8 %	9.4 %				0-127	14	EPA 8270	08/19/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample		96.1 %	94.2 %	1.9 %				89-116	11	EPA 8260	08/12/09	JAR		
Terphenyl D14 (surr spk)	77 % spike recovery								18-137	NA	EPA 8270	08/19/09	KTL		
Toluene-D8 (surr spk)	103 % spike recovery								71-123	NA	EPA 8260	08/12/09	JAR		

QUALITY CONTROL REPORT

KAR Project No. : *093061*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).*

Sample ID : *"TS10037"*

Sampled By : *BL of ARCADIS of New York, Inc.* **Date Sampled :** *08/10/09* **Sample Type :** *soil*

Date Received : *08/10/09* **Time Sampled :** *1430* **Sample No. :** *093061-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	96 % spike recovery								63-132	NA	EPA 8260	08/12/09	JAR		
2FB (surr spk)	63 % spike recovery								30-115	NA	EPA 8270	08/19/09	KTL		
BFB (surr spk)	100 % spike recovery								88-135	NA	EPA 8260	08/12/09	JAR		
Dry weight solids	99.78 % by weight									5	SM 2540 B mod.	08/11/09	JAR		
Prep, SV BN	Completed										EPA 3545	08/12/09	GMB		
Prep, VOA	Completed										EPA 5035	08/12/09	JAR		Sample was field-preserved at time of collection.
SVOA surr. - Base/Neutrals	See below										EPA 8270	08/19/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample								0-127	14	EPA 8270	08/19/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample								89-116	11	EPA 8260	08/12/09	JAR		
Terphenyl D14 (surr spk)	74 % spike recovery								18-137	NA	EPA 8270	08/19/09	KTL		
Toluene-D8 (surr spk)	102 % spike recovery								71-123	NA	EPA 8260	08/12/09	JAR		

QUALITY CONTROL REPORT

KAR Project No. : *093061*
Date Reported : *08/24/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***
Sampled By :
Date Received : *08/10/09*
Date Sampled :
Time Sampled :
Sample Type : *LMB-soil*
Sample No. : *093061-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	95 % spike recovery								63-132	NA	EPA 8260	08/12/09	JAR		
2FB (surr spk)	61 % spike recovery								30-115	NA	EPA 8270	08/19/09	KTL		
BFB (surr spk)	102 % spike recovery								88-135	NA	EPA 8260	08/12/09	JAR		
Prep, SV BN	Completed										EPA 3545	08/12/09	GMB		
Prep, VOA	Completed										EPA 5035	08/12/09	JAR		Sample was field-preserved at time of collection.
SVOA surr. - Base/Neutrals	See below										EPA 8270	08/19/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample								0-127	14	EPA 8270	08/19/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample								89-116	11	EPA 8260	08/12/09	JAR		
Terphenyl D14 (surr spk)	80 % spike recovery								18-137	NA	EPA 8270	08/19/09	KTL		
Toluene-D8 (surr spk)	99 % spike recovery								71-123	NA	EPA 8260	08/12/09	JAR		

BATCH QC REPORT

Printed : 10:36:31 AM, 08/24/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090811DW3	08/11/09	95.86							96.11	95.62	0.5 %		5	093061-01
TPH by GC-diesel range	090812SO2	08/19/09	0	2	1.561	78.0 %	1.715	85.8 %	9.4 %				0-127	14	093061-01
TPH by GC-gasoline range	090812W62	08/12/09	0	500	480.36	96.1 %	471.2	94.2 %	1.9 %				89-116	11	093061-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

KAR Laboratories, Inc.

(269) 381-9666

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 081009.2

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax:
City State Zip: Chicago, IL 60603	E-mail Address: Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell No.2 Dam TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Ben Lawrence	Sampler's Signature: [signature]

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		TPH (DRO)	TPH (GRO)				
Preservative							E	F				
Filtered (✓)							-	-				
# of Containers							2	2				
Container Information							8	1				
TS10036	8/10/09	1430	X		SO		X	X				
TS10037	8/10/09	1430	X		SO		X	X				

KEYS

Preservation Key:
A. H2S04
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment
SO = Soil
W = Water
A = Air
NL = NAPL / Oil
T = Tissue
SL = Sludge
SW = Surface Wipe

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar Laboratories - Kalamazoo	Cooler Custody Seal (✓)	Printed Name: Ben Lawrence	Printed Name: Sandy Mertz	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature: Sandy Mertz	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm:
Fed-Ex Tracking #:	Condition/Cooler Temp:	Date/Time: 8/10/09 1545	Date/Time: 8-10-09 3:45 pm	Date/Time:

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093349***
Date Reported :	***09/04/09***
Date Activated :	***08/27/09***
Date Due :	***09/11/09***
Date Validated :	***09/04/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093349. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

KAR Project No. : ***093349***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/04/09***

Project Desc. : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10038"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/19/09***

Sample Time : ***1415***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	82.25	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	82	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	09/01/09	GMB	

Sample ID : ***"TS10039"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/19/09***

Sample Time : ***1418***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	86.85	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	91	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	76	% spike recovery	EPA 8082	09/01/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : ***093349***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/04/09***

Project Desc. : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10040"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/25/09***

Sample Time : ***0900***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	89.12	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	93	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	76	% spike recovery	EPA 8082	09/01/09	GMB	

Sample ID : ***"TS10041"***

Sampled By : ***MK of Arcadis of New York, Inc.***

Sample Date : ***08/25/09***

Sample Time : ***0910***

Date Received : ***08/27/09***

Sample Type : ***soil***

KAR Sample No. : ***093349-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.07	% by weight	SM 2540 B mod.	09/01/09	JAR	
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	83	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	09/01/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093349*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/04/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Sample Date :

Sample Time :

Date Received : *08/27/09*

Sample Type : *LMB*

KAR Sample No. : *093349-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	08/28/09	GMB	
PCB	See below		EPA 8082	09/01/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/01/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/01/09	GMB	
DCB (pest/PCB surr spk)	95	% spike recovery	EPA 8082	09/01/09	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	09/01/09	GMB	

KAR *Laboratories, Inc.*

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www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093349***
Date Reported :	***09/04/09***
Date Activated :	***08/27/09***
Date Due :	***09/11/09***
Date Validated :	***09/04/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093349. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10038"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/19/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *1415* **Sample No. :** *093349-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	82 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	82.25 % by weight									5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		57.6 %	68.8 %	17.9 %				29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		55.4 %	70.7 %	24.1 %				29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep, ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10039"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/19/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *1418* **Sample No. :** *093349-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	91 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	86.85 % by weight									5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep, ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	76 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10040"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/25/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *0900* **Sample No. :** *093349-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	93 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	89.12 % by weight									5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep. ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	76 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*
Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10041"*
Sampled By : *MK of Arcadis of New York, Inc.* **Date Sampled :** *08/25/09* **Sample Type :** *soil*
Date Received : *08/27/09* **Time Sampled :** *0910* **Sample No. :** *093349-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (post/PCB surr spk)	83 % spike recovery								25-122	NA	EPA 8082	09/01/09	GMB		
Dry weight solids	80.07 % by weight							0.1 %		5	SM 2540 B mod.	09/01/09	JAR		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/01/09	GMB		
Prep. ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	09/01/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093349*

Date Reported : *09/04/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Date Sampled :

Sample Type : *LMB*

Date Received : *08/27/09*

Time Sampled :

Sample No. : *093349-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	95 % spike recovery								25-121	NA	EPA 8082	09/01/09	GMB		
PCB	See below										EPA 8082	09/01/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/01/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								12-113	5	EPA 8082	09/01/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-74	6	EPA 8082	09/01/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									10	EPA 8082	09/01/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/01/09	GMB		
PCB Aroclors, total	NA								16-128		EPA 8082	09/01/09	GMB		
Prep, ECD	Completed										EPA 3545	08/28/09	GMB		
TCMX (surr spk)	81 % spike recovery								23-100	NA	EPA 8082	09/01/09	GMB		

BATCH QC REPORT

Printed : 11:34:35 AM, 09/04/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090901DW1	09/01/09	80.07							80.04	80.1	0.1 %		5	093349-04
PCB Aroclor 1016	090828SO8	09/01/09	0	911.8541	524.8128	57.6 %	627.8081	68.8 %	17.9 %				29-135	25	093349-01
PCB Aroclor 1260	090828SO8	09/01/09	0	911.8541	505.5378	55.4 %	644.2857	70.7 %	24.1 %				29-135	25	093349-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 082509.1

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax:
City State Zip: Chicago, IL 60603	E-mail Address: Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell No.2 Dam TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Mike Kohagen	Sampler's Signature:

Preservative	E					
Filtered (✓)	-					
# of Containers	1					
Container Information	8					

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		PCB (SW-846 8082)						REMARKS
TS10038	8/19/09	1415	X		SO		X						
TS10039	8/19/09	1418	X		SO		X						
TS10040	8/25/09	0900	X		SO		X						
TS10041	8/25/09	0910	X		SO		X						

KEYS

Preservation Key:
A. H2SO4
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment A = Air SL = Sludge
SO = Soil NL = NAPL / Oil SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar Laboratories - Kalamazoo	Cooler Custody Seal (✓)	Printed Name: Mike Kohagen	Printed Name: Sandra Mertz	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature: Sandra Mertz	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm: KAR Labs	Firm:
Fed-Ex Tracking #:	Condition/Cooler Temp:	Date/Time: 8/27/09 1240	Date/Time: 8/27/09	Date/Time:

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL478

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

October 14, 2009

Mr. Dennis Capria
ARCADIS
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: KZOO; SDG: KAL478

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on September 9th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 09/09/09 ETR No: 133447		
805771	TS10042	09/08/09	SOIL
805772	TS10043	09/08/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

A matrix spike performed during the metals analysis of sample TS10043 yielded recoveries for arsenic and barium outside control criteria. The duplicate RPD values were also elevated for these elements. The serial dilution percent differences were elevated in this sample for arsenic, barium and chromium.

The semivolatile organic analysis of sample TS10043 was accomplished at a three-fold dilution based on a preliminary screen analysis that indicated the presence of a large aldol condensation peak, which can form in the extracts for select sample matrices. The laboratory determined that the presence of the aldol condensation peak precluded a full strength analysis, as it would have resulted in a source fault that would have shut the instrument down.

Matrix spikes performed during the pesticide analysis of sample TS10043 yielded low recoveries for delta-BHC , endosulfan I and endosulfan II. The associated blank spike sample exhibited acceptable recoveries for all compounds.

Due to the close similarity between Aroclors 1016 and 1242, the automated PCB quantification algorithm occasionally identifies both Aroclors, or just Aroclor 1016. Based on the historical approach to this situation for the project, any software reports identified as Aroclor 1016 are actually reported as Aroclor 1242. Although the software report still identifies the Aroclor 1016, the final reporting form and EDD will only reflect the cumulative result for Aroclor 1242.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 090809.1

Send Results to:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	Fax:
30 W. Monroe	
City State Zip	E-mail Address:
Chicago, IL 60603	Eric.Hritsuk@arcadis-us.com
Project Name/Location (City, State):	Project #:
Plainwell No.2 Dam TCRA	B0064536.0001.00001
Sampler's Printed Name:	Sampler's Signature:
Mike Kohagen	

Preservative	E
Filtered (✓)	-
# of Containers	5
Container Information	8

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		VOC's (SW-846 8260)	SVOC's (SW-846 8270)	Chlorinated Pesticides (SW-846 8081)	RCRA Metals	PCB (SW-846 8082)	REMARKS
TS10042	9/8/09	1430	X		SO		X	X	X	X	X	6A NATURAL
TS10043	9/8/09	1435	X		SO		X	X	X	X	X	21AA CRUSHED CONCRETE

KEYS

Preservation Key:
A. H2SO4
B. HCL
C. NAOH
D. HNO3
E. None
F. CH_3OH
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America - South Burlington	Cooler Custody Seal (✓)	Printed Name: Mike Kohagen	Printed Name: Scott Lavigne	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm: TA BURL	Firm:
Fed-Ex Tracking #: 7979 1331 0348	Condition/Cooler Temp:	Date/Time: 9/8/09	Date/Time: 9/9/09 1025	Date/Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10042

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL478

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 805771

Matrix: SOIL

Client: BBLKAL

Date Received: 09/09/09

% Solids: 96.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	09/14/09		%	1	0.10	96.3	

Printed on: 09/16/09 09:47 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10043

Lab Name: TestAmerica Burlington

Contract: B0064536.1.

SDG No.: KAL478

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 805772

Matrix: SOIL

Client: BBLKAL

Date Received: 09/09/09

% Solids: 94.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	09/14/09		%	1	0.10	94.4	

Printed on: 09/16/09 09:47 AM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

SOW No.:

EPA Sample No.	Lab Sample ID.
TS10042	805771
TS10043	805772
TS10043D	805772DP
TS10043S	805772MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name:

Date: Title:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10042

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Lab Sample ID: 805771

Level (low/med): LOW Date Received: 09/09/09

% Solids: 96.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.051	U		P
7440-38-2	Arsenic	9.3		NE*	P
7440-39-3	Barium	18.2	B	NE*	P
7440-43-9	Cadmium	0.017	U		P
7440-47-3	Chromium	2.2		E	P
7439-97-6	Mercury	0.014	U		CV
7439-92-1	Lead	8.6			P
7782-49-2	Selenium	0.14	U		P

Color Before: light brown Clarity Before: Texture: coarse

Color After: yellow Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10043

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Lab Sample ID: 805772

Level (low/med): LOW Date Received: 09/09/09

% Solids: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.053	U		P
7440-38-2	Arsenic	12.2		NE*	P
7440-39-3	Barium	71.3		NE*	P
7440-43-9	Cadmium	0.018	U		P
7440-47-3	Chromium	10.4		E	P
7439-97-6	Mercury	0.014	U		CV
7439-92-1	Lead	18.3			P
7782-49-2	Selenium	0.15	U		P

Color Before: brown Clarity Before: Texture: fine

Color After: yellow Clarity After: clear Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.21	107.0	5.0	5.05	101.0	5.06	101.2	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				5.0	5.00	100.0	5.06	101.2	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	489.90	98.0	100.0	100.50	100.5	100.20	100.2	P
Arsenic	250.0	265.20	106.1	100.0	106.30	106.3	106.70	106.7	P
Barium	500.0	491.50	98.3	200.0	202.30	101.2	191.60	95.8	P
Cadmium	500.0	491.10	98.2	100.0	100.70	100.7	99.93	99.9	P
Chromium	500.0	496.40	99.3	200.0	200.90	100.4	201.30	100.6	P
Lead	1000.0	975.80	97.6	400.0	402.70	100.7	405.80	101.4	P
Selenium	250.0	253.90	101.6	100.0	104.00	104.0	100.70	100.7	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	6.67	66.7		
Arsenic				10.0	12.34	123.4		
Barium				200.0	199.30	99.6		
Cadmium				5.0	5.48	109.6		
Chromium				10.0	10.69	106.9		
Lead				10.0	12.26	122.6		
Selenium				35.0	36.31	103.7		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.1	U							CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.5	U	0.5	U	0.5	U			0.054	U	P
Arsenic	2.1	U	2.1	U	2.1	U			0.210	U	P
Barium	3.1	U	3.1	U	3.1	U			0.310	U	P
Cadmium	0.2	B	0.2	B	0.2	U			0.023	B	P
Chromium	0.2	U	0.2	U	0.2	U			0.033	B	P
Lead	1.4	U	2.0	B	1.7	B			0.140	U	P
Selenium	1.5	U	1.5	U	-2.1	B			0.150	U	P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	208	-1	207.8	99.9			
Arsenic	0	95	-3	102.6	108.0			
Barium	0	481	2	492.7	102.4			
Cadmium	0	987	0	994.3	100.7			
Chromium	0	486	0	499.3	102.7			
Lead	0	48	-1	48.5	101.0			
Selenium	0	52	6	53.9	103.7			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10043S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	80 - 120	4.4157		0.0530	U	4.65	95.0		P
Arsenic	80 - 120	9.3759		12.1528		3.72	-74.6	N	P
Barium	80 - 120	186.2177		71.2688		185.85	61.9	N	P
Cadmium	80 - 120	4.3609		0.0177	U	4.65	93.8		P
Chromium	80 - 120	27.4959		10.4167		18.58	91.9		P
Mercury	85 - 115	0.1573		0.0136	U	0.16	98.3		CV
Lead		18.1943		18.3322		1.86	-7.4		P
Selenium	80 - 120	4.2614		0.1471	U	4.65	91.6		P

Comments:

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

TS10043D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 94.4 % Solids for Duplicate: 94.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Silver		0.0530	U	0.0477	U			P
Arsenic		12.1528		6.6578		58.4	*	P
Barium	19.6	71.2688		41.1988		53.5	*	P
Cadmium		0.0177	U	0.1088	B	200.0		P
Chromium		10.4167		11.3701		8.8		P
Mercury		0.0136	U	0.0177	U			CV
Lead		18.3322		21.3100		15.0		P
Selenium		0.1471	U	0.1324	U			P

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL478

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL478

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	26.1		20.0	30.0	104.4
Arsenic				24.0	25.8		19.2	28.8	107.5
Barium				200.0	207.8		160.0	240.0	103.9
Cadmium				25.0	25.4		20.0	30.0	101.6
Chromium				20.0	21.5		16.0	24.0	107.5
Lead				22.0	23.3		17.6	26.4	105.9
Selenium				25.0	25.0		20.0	30.0	100.0

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

TS10043L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.54	U	2.70	U			P
Arsenic	123.90		143.60		15.9	E	P
Barium	726.60		835.20	B	14.9	E	P
Cadmium	0.18	U	0.90	U			P
Chromium	106.20		119.30		12.3	E	P
Lead	186.90		204.00		9.1		P
Selenium	1.50	U	7.50	U			P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: Date: 07/22/09

Flame AA ID Number: Leeman Hydra AA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.54	P
Arsenic	189.042		10	2.1	P
Barium	493.409		200	3.1	P
Cadmium	226.502		5	0.18	P
Chromium	267.716		10	0.19	P
Lead	220.353		10	1.4	P
Selenium	196.026		35	1.5	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0006600	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0743217	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0001518	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001225
Molybdenum	202.030	0.0447130	0.0042559	0.0018500	0.0086269	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0024136	-0.0001264
Vanadium	292.402	0.0000000	0.0000000	0.0083899	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		As	B	Be	Cd	Co
Aluminum	308.215	0.0000169	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0105618	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0001866
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0129523	0.0000000	0.0000000	0.0000000	0.0001258
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0003715	0.0290852	0.0000000	0.0000000	-0.0023139
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000374
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0006516	0.0000000	0.0020829
Vanadium	292.402	0.0000000	0.0000000	0.0007609	0.0000991	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0003811	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000111	0.0000000	0.0000000	0.0000421
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000168	0.0000000	0.0000000
Manganese	257.610	0.0001367	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0007021	0.0005166	0.0000000	0.0000000	0.0002643
Nickel	231.604	-0.0001397	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000840	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000795	0.0000000	0.0000162	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0005832	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0017004	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0087800	0.0000000	0.0016815	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0023884
Copper	324.754	-0.0007823	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000226	0.0000318	0.0000147	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0002184	0.0000000	0.0009629	0.0000000	0.0005791
Molybdenum	202.030	-0.0023731	-0.0007787	0.0001642	0.0067559	0.0000000
Nickel	231.604	0.0002095	-0.0001417	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0049112	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0006655	-0.0002595	0.0000000	0.0066419	-0.0010827
Vanadium	292.402	-0.0000610	-0.0028037	0.0000000	0.0015099	-0.0002663
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000127			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0003952			
Iron	271.441	0.0000319	0.0000814			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000303			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0161925	-0.0001384			
Nickel	231.604	0.0000000	0.0061855			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0011538	-0.0005608			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

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ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

ICP ID Number: TJA ICAP 7 Date: 07/01/09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	5000.0	P

Comments:

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL478

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS091009A	09/10/09	0.50	50.0
PBS091009A	09/10/09	0.30	50.0
TS10042	09/10/09	0.36	50.0
TS10043	09/10/09	0.39	50.0
TS10043D	09/10/09	0.30	50.0
TS10043S	09/10/09	0.34	50.0

USEPA-CLP FORMS

13

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS091009D	09/10/09	1.00	100.0
PBS091009D	09/10/09	1.00	100.0
TS10042	09/10/09	1.10	100.0
TS10043	09/10/09	1.08	100.0
TS10043D	09/10/09	1.20	100.0
TS10043S	09/10/09	1.14	100.0

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 09/15/09 End Date: 09/15/09

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1027																X									
S0.2	1.00	1029																X									
S0.5	1.00	1031																X									
S1	1.00	1033																X									
S5	1.00	1035																X									
S10	1.00	1036																X									
ICV	1.00	1038																X									
ICB	1.00	1040																X									
CCV	1.00	1042																X									
CCB	1.00	1044																X									
PBS091009A	1.00	1046																X									
LCSS091009A	1.00	1048																X									
ZZZZZZ	1.00	1050																									
ZZZZZZ	1.00	1052																									
ZZZZZZ	1.00	1054																									
ZZZZZZ	1.00	1055																									
ZZZZZZ	1.00	1057																									
ZZZZZZ	1.00	1059																									
ZZZZZZ	1.00	1101																									
CCV	1.00	1103																X									
CCB	1.00	1105																X									
ZZZZZZ	1.00	1107																									
ZZZZZZ	1.00	1109																									
ZZZZZZ	1.00	1111																									
ZZZZZZ	1.00	1113																									
ZZZZZZ	1.00	1115																									
ZZZZZZ	1.00	1117																									
ZZZZZZ	1.00	1119																									
ZZZZZZ	1.00	1121																									
ZZZZZZ	1.00	1123																									
CCV	1.00	1125																X									
CCB	1.00	1127																X									
ZZZZZZ	1.00	1129																									
TS10042	1.00	1130																X									
TS10043	1.00	1132																X									
TS10043S	1.00	1134																X									
TS10043D	1.00	1136																X									
CCV	1.00	1138																X									

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 09/15/09 End Date: 09/15/09

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	1140																X									

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 09/17/09 End Date: 09/17/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0111				X	X		X		X				X						X	X					
STD7	1.00	0115																									
STD8	1.00	0119				X									X						X						
STD4	1.00	0123					X		X		X											X					
ICV	1.00	0127				X	X		X		X				X						X	X					
ICB	1.00	0131				X	X		X		X				X						X	X					
ICSA	1.00	0135				X	X		X		X				X						X	X					
ICSAB	1.00	0138				X	X		X		X				X						X	X					
CRI	1.00	0142				X	X		X		X				X						X	X					
ZZZZZZ	1.00	0146																									
CCV	1.00	0150				X	X		X		X				X						X	X					
CCB	1.00	0154				X	X		X		X				X						X	X					
PBS091009D	1.00	0158				X	X		X		X				X						X	X					
LCSS091009D	1.00	0202				X	X		X		X				X						X	X					
TS10042	1.00	0206				X	X		X		X				X						X	X					
TS10043	1.00	0210				X	X		X		X				X						X	X					
TS10043L	5.00	0214				X	X		X		X				X						X	X					
TS10043S	1.00	0218				X	X		X		X				X						X	X					
TS10043D	1.00	0222				X	X		X		X				X						X	X					
ZZZZZZ	1.00	0226																									
ZZZZZZ	1.00	0230																									
ZZZZZZ	1.00	0234																									
CCV	1.00	0238				X	X		X		X				X						X	X					
CCB	1.00	0242				X	X		X		X				X						X	X					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 4 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.3	U
74-87-3	Chloromethane	5.3	U
75-01-4	Vinyl Chloride	5.3	U
74-83-9	Bromomethane	5.3	U
75-00-3	Chloroethane	5.3	U
75-69-4	Trichlorofluoromethane	5.3	U
75-35-4	1,1-Dichloroethene	5.3	U
76-13-1	Freon TF	5.3	U
67-64-1	Acetone	5.3	U
75-15-0	Carbon Disulfide	5.3	U
75-09-2	Methylene Chloride	5.3	U
156-60-5	trans-1,2-Dichloroethene	5.3	U
1634-04-4	Methyl-t-Butyl Ether	5.3	U
75-34-3	1,1-Dichloroethane	5.3	U
156-59-2	cis-1,2-Dichloroethene	5.3	U
78-93-3	2-Butanone	5.3	U
74-97-5	Bromochloromethane	5.3	U
67-66-3	Chloroform	5.3	U
71-55-6	1,1,1-Trichloroethane	5.3	U
56-23-5	Carbon Tetrachloride	5.3	U
71-43-2	Benzene	5.3	U
107-06-2	1,2-Dichloroethane	5.3	U
79-01-6	Trichloroethene	5.3	U
78-87-5	1,2-Dichloropropane	5.3	U
75-27-4	Bromodichloromethane	5.3	U
10061-01-5	cis-1,3-Dichloropropene	5.3	U
108-10-1	4-Methyl-2-pentanone	5.3	U
108-88-3	Toluene	5.3	U
10061-02-6	trans-1,3-Dichloropropene	5.3	U
79-00-5	1,1,2-Trichloroethane	5.3	U
127-18-4	Tetrachloroethene	5.3	U
591-78-6	2-Hexanone	5.3	U
124-48-1	Dibromochloromethane	5.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 4 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.3	U
108-90-7	Chlorobenzene	5.3	U
100-41-4	Ethylbenzene	5.3	U
1330-20-7	Xylene (total)	5.3	U
100-42-5	Styrene	5.3	U
75-25-2	Bromoform	5.3	U
98-82-8	Isopropylbenzene	5.3	U
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U
541-73-1	1,3-Dichlorobenzene	5.3	U
106-46-7	1,4-Dichlorobenzene	5.3	U
95-50-1	1,2-Dichlorobenzene	5.3	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U
120-82-1	1,2,4-Trichlorobenzene	5.3	U
87-61-6	1,2,3-Trichlorobenzene	5.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 4 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 805772I2

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 6 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.2	U
74-87-3	Chloromethane	5.2	U
75-01-4	Vinyl Chloride	5.2	U
74-83-9	Bromomethane	5.2	U
75-00-3	Chloroethane	5.2	U
75-69-4	Trichlorofluoromethane	5.2	U
75-35-4	1,1-Dichloroethene	5.2	U
76-13-1	Freon TF	5.2	U
67-64-1	Acetone	12	
75-15-0	Carbon Disulfide	5.2	U
75-09-2	Methylene Chloride	5.2	U
156-60-5	trans-1,2-Dichloroethene	5.2	U
1634-04-4	Methyl-t-Butyl Ether	5.2	U
75-34-3	1,1-Dichloroethane	5.2	U
156-59-2	cis-1,2-Dichloroethene	5.2	U
78-93-3	2-Butanone	5.2	U
74-97-5	Bromochloromethane	5.2	U
67-66-3	Chloroform	5.2	U
71-55-6	1,1,1-Trichloroethane	5.2	U
56-23-5	Carbon Tetrachloride	5.2	U
71-43-2	Benzene	5.2	U
107-06-2	1,2-Dichloroethane	5.2	U
79-01-6	Trichloroethene	5.2	U
78-87-5	1,2-Dichloropropane	5.2	U
75-27-4	Bromodichloromethane	5.2	U
10061-01-5	cis-1,3-Dichloropropene	5.2	U
108-10-1	4-Methyl-2-pentanone	5.2	U
108-88-3	Toluene	5.2	U
10061-02-6	trans-1,3-Dichloropropene	5.2	U
79-00-5	1,1,2-Trichloroethane	5.2	U
127-18-4	Tetrachloroethene	5.2	U
591-78-6	2-Hexanone	5.2	U
124-48-1	Dibromochloromethane	5.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 805772I2

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 6 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.2	U
108-90-7	Chlorobenzene	5.2	U
100-41-4	Ethylbenzene	5.2	U
1330-20-7	Xylene (total)	5.2	U
100-42-5	Styrene	5.2	U
75-25-2	Bromoform	5.2	U
98-82-8	Isopropylbenzene	5.2	U
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U
541-73-1	1,3-Dichlorobenzene	5.2	U
106-46-7	1,4-Dichlorobenzene	5.2	U
95-50-1	1,2-Dichlorobenzene	5.2	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U
120-82-1	1,2,4-Trichlorobenzene	5.2	U
87-61-6	1,2,3-Trichlorobenzene	5.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 805772I2

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: not dec. 6 Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091109NB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091109NB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091109NB

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJB03C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NA091209LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50CQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	54	
74-87-3	Chloromethane	58	
75-01-4	Vinyl Chloride	56	
74-83-9	Bromomethane	59	
75-00-3	Chloroethane	66	
75-69-4	Trichlorofluoromethane	61	
75-35-4	1,1-Dichloroethene	60	
76-13-1	Freon TF	46	
67-64-1	Acetone	45	
75-15-0	Carbon Disulfide	53	
75-09-2	Methylene Chloride	53	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl-t-Butyl Ether	46	
75-34-3	1,1-Dichloroethane	54	
156-59-2	cis-1,2-Dichloroethene	50	
78-93-3	2-Butanone	51	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	48	
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon Tetrachloride	47	
71-43-2	Benzene	47	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	47	
75-27-4	Bromodichloromethane	47	
10061-01-5	cis-1,3-Dichloropropene	51	
108-10-1	4-Methyl-2-pentanone	50	
108-88-3	Toluene	46	
10061-02-6	trans-1,3-Dichloropropene	43	
79-00-5	1,1,2-Trichloroethane	45	
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	45	
124-48-1	Dibromochloromethane	46	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NA091209LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50CQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/12/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	45	
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	51	
1330-20-7	Xylene (total)	170	
100-42-5	Styrene	55	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	46	
79-34-5	1,1,2,2-Tetrachloroethane	40	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-Chloropropane	45	
120-82-1	1,2,4-Trichlorobenzene	48	
87-61-6	1,2,3-Trichlorobenzene	46	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NB091109LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NB091109LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50BQ2

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	38	
74-87-3	Chloromethane	40	
75-01-4	Vinyl Chloride	40	
74-83-9	Bromomethane	42	
75-00-3	Chloroethane	47	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	53	
76-13-1	Freon TF	49	
67-64-1	Acetone	37	
75-15-0	Carbon Disulfide	48	
75-09-2	Methylene Chloride	45	
156-60-5	trans-1,2-Dichloroethene	52	
1634-04-4	Methyl-t-Butyl Ether	48	
75-34-3	1,1-Dichloroethane	48	
156-59-2	cis-1,2-Dichloroethene	49	
78-93-3	2-Butanone	49	
74-97-5	Bromochloromethane	47	
67-66-3	Chloroform	49	
71-55-6	1,1,1-Trichloroethane	47	
56-23-5	Carbon Tetrachloride	48	
71-43-2	Benzene	47	
107-06-2	1,2-Dichloroethane	47	
79-01-6	Trichloroethene	49	
78-87-5	1,2-Dichloropropane	47	
75-27-4	Bromodichloromethane	47	
10061-01-5	cis-1,3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	46	
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	48	
79-00-5	1,1,2-Trichloroethane	50	
127-18-4	Tetrachloroethene	50	
591-78-6	2-Hexanone	44	
124-48-1	Dibromochloromethane	49	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NB091109LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: NB091109LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NWJ50BQ2

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/11/09

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	50	
108-90-7	Chlorobenzene	46	
100-41-4	Ethylbenzene	46	
1330-20-7	Xylene (total)	140	
100-42-5	Styrene	46	
75-25-2	Bromoform	49	
98-82-8	Isopropylbenzene	44	
79-34-5	1,1,2,2-Tetrachloroethane	46	
541-73-1	1,3-Dichlorobenzene	45	
106-46-7	1,4-Dichlorobenzene	46	
95-50-1	1,2-Dichlorobenzene	46	
96-12-8	1,2-Dibromo-3-Chloropropane	43	
120-82-1	1,2,4-Trichlorobenzene	46	
87-61-6	1,2,3-Trichlorobenzene	45	

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NB091109LCS	93	93	90	90	0
02	MBLK091109NB	98	92	94	96	0
03	TS10042	106	94	101	96	0
04	NA091209LCS	90	89	90	92	0
05	MBLK091209NA	101	90	97	94	0
06	TS10043	112	95	105	96	0
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NA091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		110	110	80-120
Xylene (o)	50		54	108	85-120
Dichlorodifluoromethane	50		54	108	30-180
Chloromethane	50		58	116	55-150
Vinyl Chloride	50		56	112	65-145
Bromomethane	50		59	118	65-145
Chloroethane	50		66	132	70-135
Trichlorofluoromethane	50		61	122	70-140
1,1-Dichloroethene	50		60	120	75-135
Freon TF	50		46	92	75-140
Acetone	50		45	90	50-130
Carbon Disulfide	50		53	106	80-135
Methylene Chloride	50		53	106	75-140
trans-1,2-Dichloroethen	50		51	102	80-130
Methyl-t-Butyl Ether	50		46	92	85-130
1,1-Dichloroethane	50		54	108	85-120
cis-1,2-Dichloroethene	50		50	100	80-120
2-Butanone	50		51	102	70-135
Bromochloromethane	50		54	108	75-125
Chloroform	50		48	96	85-120
1,1,1-Trichloroethane	50		46	92	80-115
Carbon Tetrachloride	50		47	94	80-115
Benzene	50		47	94	85-120
1,2-Dichloroethane	50		46	92	75-120
Trichloroethene	50		49	98	85-120
1,2-Dichloropropane	50		47	94	85-120
Bromodichloromethane	50		47	94	80-115
cis-1,3-Dichloropropene	50		51	102	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NA091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		50	100	65-135
Toluene	50		46	92	75-125
trans-1,3-Dichloroprope	50		43	86	85-120
1,1,2-Trichloroethane	50		45	90	75-125
Tetrachloroethene	50		47	94	85-120
2-Hexanone	50		45	90	70-135
Dibromochloromethane	50		46	92	80-120
1,2-Dibromoethane	50		45	90	80-120
Chlorobenzene	50		48	96	80-120
Ethylbenzene	50		51	102	80-120
Xylene (total)	150		170	113	85-120
Styrene	50		55	110	80-125
Bromoform	50		48	96	75-130
Isopropylbenzene	50		46	92	85-120
1,1,2,2-Tetrachloroetha	50		40	80	75-125
1,3-Dichlorobenzene	50		48	96	80-120
1,4-Dichlorobenzene	50		48	96	85-120
1,2-Dichlorobenzene	50		47	94	85-120
1,2-Dibromo-3-Chloropro	50		45	90	65-130
1,2,4-Trichlorobenzene	50		48	96	80-125
1,2,3-Trichlorobenzene	50		46	92	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NB091109LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		91	91	80-120
Xylene (o)	50		46	92	85-120
Dichlorodifluoromethane	50		38	76	30-180
Chloromethane	50		40	80	55-150
Vinyl Chloride	50		40	80	65-145
Bromomethane	50		42	84	65-145
Chloroethane	50		47	94	70-135
Trichlorofluoromethane	50		47	94	70-140
1,1-Dichloroethene	50		53	106	75-135
Freon TF	50		49	98	75-140
Acetone	50		37	74	50-130
Carbon Disulfide	50		48	96	80-135
Methylene Chloride	50		45	90	75-140
trans-1,2-Dichloroethen	50		52	104	80-130
Methyl-t-Butyl Ether	50		48	96	85-130
1,1-Dichloroethane	50		48	96	85-120
cis-1,2-Dichloroethene	50		49	98	80-120
2-Butanone	50		49	98	70-135
Bromochloromethane	50		47	94	75-125
Chloroform	50		49	98	85-120
1,1,1-Trichloroethane	50		47	94	80-115
Carbon Tetrachloride	50		48	96	80-115
Benzene	50		47	94	85-120
1,2-Dichloroethane	50		47	94	75-120
Trichloroethene	50		49	98	85-120
1,2-Dichloropropane	50		47	94	85-120
Bromodichloromethane	50		47	94	80-115
cis-1,3-Dichloropropene	50		50	100	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: NB091109LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		46	92	65-135
Toluene	50		48	96	75-125
trans-1,3-Dichloroprope	50		48	96	85-120
1,1,2-Trichloroethane	50		50	100	75-125
Tetrachloroethene	50		50	100	85-120
2-Hexanone	50		44	88	70-135
Dibromochloromethane	50		49	98	80-120
1,2-Dibromoethane	50		50	100	80-120
Chlorobenzene	50		46	92	80-120
Ethylbenzene	50		46	92	80-120
Xylene (total)	150		140	93	85-120
Styrene	50		46	92	80-125
Bromoform	50		49	98	75-130
Isopropylbenzene	50		44	88	85-120
1,1,2,2-Tetrachloroetha	50		46	92	75-125
1,3-Dichlorobenzene	50		45	90	80-120
1,4-Dichlorobenzene	50		46	92	85-120
1,2-Dichlorobenzene	50		46	92	85-120
1,2-Dibromo-3-Chloropro	50		43	86	65-130
1,2,4-Trichlorobenzene	50		46	92	80-125
1,2,3-Trichlorobenzene	50		45	90	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK091109NB

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJB03B Lab Sample ID: MBLK091109NB

Date Analyzed: 09/11/09 Time Analyzed: 2033

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NB091109LCS	NB091109LCS	NWJ50BQ2	1919
02	TS10042	805771	805771	0120
03				
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COMMENTS:

FORM IV VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK091209NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJB03C Lab Sample ID: MBLK091209NA

Date Analyzed: 09/12/09 Time Analyzed: 0956

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA091209LCS	NA091209LCS	NWJ50CQ	0855
02	TS10043	805772	805772I2	1036
03				
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJ01PV BFB Injection Date: 09/10/09

Instrument ID: N BFB Injection Time: 2240

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	46.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	59.6
175	5.0 - 9.0% of mass 174	4.3 (7.2)1
176	95.0 - 101.0% of mass 174	57.6 (96.7)1
177	5.0 - 9.0% of mass 176	3.9 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NWJ005V	09/10/09	2356
02	VSTD020	VSTD020	NWJ020V	09/11/09	0027
03	VSTD050	VSTD050	NWJ050V	09/11/09	0057
04	VSTD100	VSTD100	NWJ100V	09/11/09	0128
05	VSTD200	VSTD200	NWJ200V	09/11/09	0158
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJ04PV BFB Injection Date: 09/11/09

Instrument ID: N BFB Injection Time: 1735

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	46.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	57.2
175	5.0 - 9.0% of mass 174	4.8 (8.4)1
176	95.0 - 101.0% of mass 174	55.6 (97.1)1
177	5.0 - 9.0% of mass 176	2.8 (5.0)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	NWJ050BV	09/11/09	1747
02	NB091109LCS	NB091109LCS	NWJ50BQ2	09/11/09	1919
03	MBLK091109NB	MBLK091109NB	NWJB03B	09/11/09	2033
04	TS10042	805771	805771	09/12/09	0120
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: NWJ05PV BFB Injection Date: 09/12/09

Instrument ID: N BFB Injection Time: 0730

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	45.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	60.6
175	5.0 - 9.0% of mass 174	4.5 (7.5)1
176	95.0 - 101.0% of mass 174	58.4 (96.4)1
177	5.0 - 9.0% of mass 176	3.9 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	NWJ50CV	09/12/09	0824
02	NA091209LCS	NA091209LCS	NWJ50CQ	09/12/09	0855
03	MBLK091209NA	MBLK091209NA	NWJB03C	09/12/09	0956
04	TS10043	805772	805772I2	09/12/09	1036
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FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Calibration Time(s): 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NWJ005V RRF20 =NWJ020V
RRF50 =NWJ050V RRF100=NWJ100V RRF200=NWJ200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	1.127	0.951	1.053	1.176	0.986	1.059	8.9*
Chloromethane *	0.625	0.497	0.543	0.608	0.523	0.559	9.9*
Vinyl Chloride *	0.580	0.492	0.556	0.624	0.536	0.558	8.8*
Bromomethane *	0.584	0.434	0.546	0.583	0.497	0.529	12.1*
Chloroethane *	0.356	0.314	0.349	0.394	0.292	0.341	11.6*
Trichlorofluoromethane *	0.815	0.839	0.839	0.979	0.961	0.887	8.7*
1,1-Dichloroethene *	0.309	0.341	0.315	0.348	0.384	0.339	8.8*
Freon TF *	0.627	0.736	0.584	0.559	0.588	0.619	11.3*
Acetone *	0.071	0.069	0.055	0.054	0.057	0.061	13.4*
Carbon Disulfide *	1.207	1.240	1.204	1.254	1.237	1.228	1.8*
Methylene Chloride *	0.438	0.432	0.432	0.462	0.454	0.444	3.1*
trans-1,2-Dichloroethene *	0.309	0.346	0.282	0.279	0.297	0.303	9.0*
Methyl-t-Butyl Ether *	0.584	0.663	0.525	0.511	0.523	0.561	11.3*
1,1-Dichloroethane *	0.601	0.666	0.548	0.540	0.647	0.600	9.5*
cis-1,2-Dichloroethene *	0.327	0.372	0.308	0.309	0.341	0.331	7.9*
2-Butanone *	0.020	0.028	0.024	0.023	0.025	0.024	13.4*
Bromochloromethane *	0.258	0.271	0.258	0.276	0.289	0.270	4.8*
Chloroform *	0.621	0.705	0.575	0.563	0.586	0.610	9.4*
1,1,1-Trichloroethane *	0.518	0.591	0.482	0.469	0.490	0.510	9.6*
Carbon Tetrachloride *	0.475	0.555	0.457	0.448	0.469	0.481	8.9*
Benzene *	0.941	1.002	0.902	0.881	0.882	0.922	5.5*
1,2-Dichloroethane *	0.305	0.342	0.285	0.275	0.279	0.297	9.3*
Trichloroethene *	0.461	0.535	0.454	0.450	0.460	0.472	7.5*
1,2-Dichloropropane *	0.442	0.490	0.430	0.423	0.436	0.444	6.0*
Bromodichloromethane *	0.745	0.831	0.706	0.707	0.734	0.745	6.9*
cis-1,3-Dichloropropene *	0.591	0.678	0.601	0.602	0.620	0.618	5.6*
4-Methyl-2-pentanone *	0.334	0.365	0.342	0.341	0.357	0.348	3.6*
Toluene *	0.702	0.822	0.725	0.690	0.720	0.732	7.2*
trans-1,3-Dichloropropene *	0.434	0.597	0.466	0.434	0.536	0.493	14.5*
1,1,2-Trichloroethane *	0.282	0.378	0.298	0.271	0.331	0.312	13.9*
Tetrachloroethene *	0.478	0.583	0.525	0.491	0.513	0.518	7.9*
2-Hexanone *	0.227	0.283	0.239	0.223	0.260	0.246	10.1*
Dibromochloromethane *	0.561	0.740	0.590	0.547	0.652	0.618	12.8*
1,2-Dibromoethane *	0.496	0.669	0.556	0.519	0.618	0.572	12.5*
Chlorobenzene *	1.029	1.132	1.029	1.006	0.997	1.039	5.2*
Ethylbenzene *	1.621	1.775	1.620	1.612	1.592	1.644	4.5*
Xylene (total) *	0.619	0.668	0.616	0.602	0.622	0.625	4.0*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Calibration Time(s): 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NWJ005V RRF20 =NWJ020V
RRF50 =NWJ050V RRF100=NWJ100V RRF200=NWJ200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene *	1.044	1.129	1.066	1.040	1.090	1.074	3.4*
Bromoform *	0.440	0.545	0.495	0.469	0.533	0.496	8.8*
Isopropylbenzene *	2.760	3.083	2.653	2.654	2.871	2.804	6.4*
1,1,2,2-Tetrachloroethane *	1.202	1.457	1.227	1.191	1.372	1.290	9.2*
1,3-Dichlorobenzene *	1.470	1.612	1.459	1.434	1.455	1.486	4.8*
1,4-Dichlorobenzene *	1.680	1.731	1.586	1.515	1.519	1.606	6.0*
1,2-Dichlorobenzene *	1.439	1.501	1.418	1.375	1.414	1.429	3.2*
1,2-Dibromo-3-Chloropropane *	0.304	0.329	0.301	0.283	0.309	0.305	5.4*
1,2,4-Trichlorobenzene *	1.153	1.127	1.102	1.049	1.016	1.089	5.2*
1,2,3-Trichlorobenzene *	1.060	1.009	0.983	0.932	0.922	0.981	5.8*
1,2-Dichloroethane-d4 *	0.270	0.285	0.231	0.225	0.232	0.249	10.8*
Toluene-d8 *	1.057	1.208	1.107	1.044	1.080	1.099	6.0*
Bromofluorobenzene *	1.423	1.550	1.345	1.339	1.471	1.426	6.2*
1,2-Dichlorobenzene-d4 *	0.950	1.009	0.919	0.905	0.921	0.941	4.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/11/09 Time: 1747

Lab File ID: NWJ050BV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	1.059	0.859		18.9	20.0	
Chloromethane	0.559	0.448	0.1	19.8	20.0	
Vinyl Chloride	0.558	0.456		18.3	20.0	
Bromomethane	0.529	0.362		31.6	20.0	<-
Chloroethane	0.341	0.284		16.7	20.0	
Trichlorofluoromethane	0.887	0.746		15.9	20.0	
1,1-Dichloroethene	0.339	0.300		11.5	20.0	
Freon TF	0.619	0.570		7.9	20.0	
Acetone	0.061	0.057		6.6	20.0	
Carbon Disulfide	1.228	1.024		16.6	20.0	
Methylene Chloride	0.444	0.374		15.8	20.0	
trans-1,2-Dichloroethene	0.303	0.281		7.3	20.0	
Methyl-t-Butyl Ether	0.561	0.526		6.2	20.0	
1,1-Dichloroethane	0.600	0.514	0.1	14.3	20.0	
cis-1,2-Dichloroethene	0.331	0.302		8.8	20.0	
2-Butanone	0.024	0.023		4.2	20.0	
Bromochloromethane	0.270	0.236		12.6	20.0	
Chloroform	0.610	0.554		9.2	20.0	
1,1,1-Trichloroethane	0.510	0.453		11.2	20.0	
Carbon Tetrachloride	0.481	0.435		9.6	20.0	
Benzene	0.922	0.840		8.9	20.0	
1,2-Dichloroethane	0.297	0.265		10.8	20.0	
Trichloroethene	0.472	0.447		5.3	20.0	
1,2-Dichloropropane	0.444	0.412		7.2	20.0	
Bromodichloromethane	0.745	0.667		10.5	20.0	
cis-1,3-Dichloropropene	0.618	0.578		6.5	20.0	
4-Methyl-2-pentanone	0.348	0.307		11.8	20.0	
Toluene	0.732	0.696		4.9	20.0	
trans-1,3-Dichloropropene	0.493	0.514		4.2	20.0	
1,1,2-Trichloroethane	0.312	0.324		3.8	20.0	
Tetrachloroethene	0.518	0.518		0.0	20.0	
2-Hexanone	0.246	0.229		6.9	20.0	
Dibromochloromethane	0.618	0.633		2.4	20.0	
1,2-Dibromoethane	0.572	0.598		4.5	20.0	
Chlorobenzene	1.039	0.968	0.3	6.8	20.0	
Ethylbenzene	1.644	1.505		8.4	20.0	
Xylene (total)	0.625	0.573		8.3	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/11/09 Time: 1747

Lab File ID: NWJ050BV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	1.074	0.990		7.8	20.0
Bromoform	0.496	0.510	0.1	2.8	20.0
Isopropylbenzene	2.804	2.507		10.6	20.0
1,1,2,2-Tetrachloroethane	1.290	1.204	0.3	6.7	20.0
1,3-Dichlorobenzene	1.486	1.378		7.3	20.0
1,4-Dichlorobenzene	1.606	1.458		9.2	20.0
1,2-Dichlorobenzene	1.429	1.291		9.6	20.0
1,2-Dibromo-3-Chloropropane	0.305	0.272		10.8	20.0
1,2,4-Trichlorobenzene	1.089	1.034		5.0	20.0
1,2,3-Trichlorobenzene	0.981	0.901		8.2	20.0
1,2-Dichloroethane-d4	0.249	0.218		12.4	20.0
Toluene-d8	1.099	1.027		6.6	20.0
Bromofluorobenzene	1.426	1.316		7.7	20.0
1,2-Dichlorobenzene-d4	0.941	0.865		8.1	20.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/12/09 Time: 0824

Lab File ID: NWJ50CV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	1.059	0.864		18.4	20.0	
Chloromethane	0.559	0.441	0.1	21.1	20.0	<-
Vinyl Chloride	0.558	0.451		19.2	20.0	
Bromomethane	0.529	0.442		16.4	20.0	
Chloroethane	0.341	0.294		13.8	20.0	
Trichlorofluoromethane	0.887	0.827		6.8	20.0	
1,1-Dichloroethene	0.339	0.360		6.2	20.0	
Freon TF	0.619	0.635		2.6	20.0	
Acetone	0.061	0.060		1.6	20.0	
Carbon Disulfide	1.228	1.119		8.9	20.0	
Methylene Chloride	0.444	0.405		8.8	20.0	
trans-1,2-Dichloroethene	0.303	0.321		5.9	20.0	
Methyl-t-Butyl Ether	0.561	0.564		0.5	20.0	
1,1-Dichloroethane	0.600	0.663	0.1	10.5	20.0	
cis-1,2-Dichloroethene	0.331	0.356		7.6	20.0	
2-Butanone	0.024	0.024		0.0	20.0	
Bromochloromethane	0.270	0.268		0.7	20.0	
Chloroform	0.610	0.624		2.3	20.0	
1,1,1-Trichloroethane	0.510	0.494		3.1	20.0	
Carbon Tetrachloride	0.481	0.474		1.4	20.0	
Benzene	0.922	0.876		5.0	20.0	
1,2-Dichloroethane	0.297	0.297		0.0	20.0	
Trichloroethene	0.472	0.474		0.4	20.0	
1,2-Dichloropropane	0.444	0.428		3.6	20.0	
Bromodichloromethane	0.745	0.729		2.1	20.0	
cis-1,3-Dichloropropene	0.618	0.612		1.0	20.0	
4-Methyl-2-pentanone	0.348	0.316		9.2	20.0	
Toluene	0.732	0.696		4.9	20.0	
trans-1,3-Dichloropropene	0.493	0.494		0.2	20.0	
1,1,2-Trichloroethane	0.312	0.311		0.3	20.0	
Tetrachloroethene	0.518	0.512		1.2	20.0	
2-Hexanone	0.246	0.218		11.4	20.0	
Dibromochloromethane	0.618	0.625		1.1	20.0	
1,2-Dibromoethane	0.572	0.584		2.1	20.0	
Chlorobenzene	1.039	0.961	0.3	7.5	20.0	
Ethylbenzene	1.644	1.511		8.1	20.0	
Xylene (total)	0.625	0.579		7.4	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: N Calibration Date: 09/12/09 Time: 0824

Lab File ID: NWJ50CV Init. Calib. Date(s): 09/10/09 09/11/09

Heated Purge: (Y/N) Y Init. Calib. Times: 2356 0158

GC Column: DB-624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Styrene	1.074	1.010		6.0	20.0
Bromoform	0.496	0.497	0.1	0.2	20.0
Isopropylbenzene	2.804	2.438		13.0	20.0
1,1,2,2-Tetrachloroethane	1.290	1.158	0.3	10.2	20.0
1,3-Dichlorobenzene	1.486	1.399		5.8	20.0
1,4-Dichlorobenzene	1.606	1.503		6.4	20.0
1,2-Dichlorobenzene	1.429	1.322		7.5	20.0
1,2-Dibromo-3-Chloropropane	0.305	0.269		11.8	20.0
1,2,4-Trichlorobenzene	1.089	1.096		0.6	20.0
1,2,3-Trichlorobenzene	0.981	0.966		1.5	20.0
1,2-Dichloroethane-d4	0.249	0.244		2.0	20.0
Toluene-d8	1.099	1.041		5.3	20.0
Bromofluorobenzene	1.426	1.284		10.0	20.0
1,2-Dichlorobenzene-d4	0.941	0.860		8.6	20.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): NWJ050BV Date Analyzed: 09/11/09

Instrument ID: N Time Analyzed: 1747

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1217500	9.93	1231465	15.85	776566	20.13
	UPPER LIMIT	2435000	10.43	2462930	16.35	1553132	20.63
	LOWER LIMIT	608750	9.43	615732	15.35	388283	19.63
	CLIENT SAMPLE NO.						
01	NB091109LCS	1140486	9.91	1239123	15.84	784297	20.13
02	MBLK091109NB	1040963	9.91	1126872	15.85	715054	20.12
03	TS10042	996678	9.91	1216001	15.85	682104	20.13
04							
05							
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22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): NWJ50CV Date Analyzed: 09/12/09

Instrument ID: N Time Analyzed: 0824

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	1148074	9.90	1262477	15.85	831379	20.12
	UPPER LIMIT	2296148	10.40	2524954	16.35	1662758	20.62
	LOWER LIMIT	574037	9.40	631238	15.35	415690	19.62
	CLIENT SAMPLE NO.						
01	NA091209LCS	885914	9.89	1107424	15.84	801382	20.11
02	MBLK091209NA	917038	9.91	1257427	15.84	776575	20.11
03	TS10043	1213731	9.91	1271764	15.85	688658	20.12
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19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 4 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	350	U
62-75-9	N-Nitrosodimethylamine	350	U
62-53-3	Aniline	890	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl Alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
65-85-0	Benzoic Acid	17	JB
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	890	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 4 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	890	U
132-64-9	Dibenzofuran	350	U
100-02-7	4-Nitrophenol	890	U
121-14-2	2,4-Dinitrotoluene	350	U
86-73-7	Fluorene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	N-nitrosodiphenylamine (1)	350	U
103-33-3	Azobenzene	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
92-87-5	Benzidine	890	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
56-55-3	Benzo(a)anthracene	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 805771

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 4 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 805772

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 6 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1200	U
62-75-9	N-Nitrosodimethylamine	1200	U
62-53-3	Aniline	2900	U
108-95-2	Phenol	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1200	U
100-51-6	Benzyl Alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
65-85-0	Benzoic Acid	2900	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	2900	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	2900	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 805772

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 6 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	2900	U
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	2900	U
132-64-9	Dibenzofuran	1200	U
100-02-7	4-Nitrophenol	2900	U
121-14-2	2,4-Dinitrotoluene	1200	U
86-73-7	Fluorene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
100-01-6	4-Nitroaniline	2900	U
534-52-1	4,6-Dinitro-2-methylphenol	2900	U
86-30-6	N-nitrosodiphenylamine (1)	1200	U
103-33-3	Azobenzene	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	2900	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
86-74-8	Carbazole	1200	U
84-74-2	Di-n-butylphthalate	1200	U
206-44-0	Fluoranthene	1200	U
92-87-5	Benzidine	2900	U
129-00-0	Pyrene	1200	U
85-68-7	Butylbenzylphthalate	1200	U
56-55-3	Benzo(a)anthracene	1200	U
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	U
117-84-0	Di-n-octylphthalate	1200	U
205-99-2	Benzo(b)fluoranthene	1200	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 805772

Level: (low/med) LOW Date Received: 09/09/09

% Moisture: 6 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/21/09

Injection Volume: 2.0(uL) Dilution Factor: 3.3

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1200	U
50-32-8	Benzo(a)pyrene	1200	U
193-39-5	Indeno(1,2,3-cd)pyrene	1200	U
53-70-3	Dibenz(a,h)anthracene	1200	U
191-24-2	Benzo(g,h,i)perylene	1200	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	330	U
62-75-9	N-Nitrosodimethylamine	330	U
62-53-3	Aniline	820	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
65-85-0	Benzoic Acid	27	J
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	820	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	820	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	820	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	820	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	820	U
534-52-1	4,6-Dinitro-2-methylphenol	820	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
103-33-3	Azobenzene	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
92-87-5	Benzidine	820	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091209A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: B0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

A091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: A091209LCS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: Q0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	870	
62-75-9	N-Nitrosodimethylamine	1300	
62-53-3	Aniline	950	
108-95-2	Phenol	1300	
111-44-4	bis(2-Chloroethyl)Ether	1300	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1300	
100-51-6	Benzyl Alcohol	1400	
95-50-1	1,2-Dichlorobenzene	1300	
95-48-7	2-Methylphenol	1300	
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	
106-44-5	4-Methylphenol	1300	
621-64-7	N-Nitroso-di-n-propylamine	1400	
67-72-1	Hexachloroethane	1200	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	1400	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1300	
111-91-1	bis(2-Chloroethoxy)methane	1300	
65-85-0	Benzoic Acid	1100	B
120-83-2	2,4-Dichlorophenol	1300	
120-82-1	1,2,4-Trichlorobenzene	1300	
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	720	
87-68-3	Hexachlorobutadiene	1300	
59-50-7	4-Chloro-3-methylphenol	1400	
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	1200	
88-06-2	2,4,6-Trichlorophenol	1400	
95-95-4	2,4,5-Trichlorophenol	1500	
91-58-7	2-Chloronaphthalene	1200	
88-74-4	2-Nitroaniline	1200	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

A091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: A091209LCS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: Q0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1400	
208-96-8	Acenaphthylene	1400	
606-20-2	2,6-Dinitrotoluene	1300	
99-09-2	3-Nitroaniline	760	J
83-32-9	Acenaphthene	1400	
51-28-5	2,4-Dinitrophenol	1000	
132-64-9	Dibenzofuran	1400	
100-02-7	4-Nitrophenol	1100	
121-14-2	2,4-Dinitrotoluene	1400	
86-73-7	Fluorene	1300	
84-66-2	Diethylphthalate	1300	
7005-72-3	4-Chlorophenyl-phenylether	1300	
100-01-6	4-Nitroaniline	1200	
534-52-1	4,6-Dinitro-2-methylphenol	1300	
86-30-6	N-nitrosodiphenylamine (1)	1400	
103-33-3	Azobenzene	1300	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1400	
87-86-5	Pentachlorophenol	1100	
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1400	
84-74-2	Di-n-butylphthalate	1400	
206-44-0	Fluoranthene	1300	
92-87-5	Benzidine	290	J
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	1400	
56-55-3	Benzo(a)anthracene	1400	
91-94-1	3,3'-Dichlorobenzidine	840	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	1400	
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1500	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

A091209LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: A091209LCS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: Q0912A

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/12/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/16/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenz(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	1700	

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	A091209LCS	70	71	73	67	74	79	73	77	0
02	MBLK091209A	69	72	72	60	68	76	65	81	0
03	TS10043	12D	48D	13D	53	62	70	8D	68	0
04	TS10042	61	68	65	51	66	72	77	72	0
05										
06										
07										
08										
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29										
30										

		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - STLVT Sample No.: A091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Pyridine	1700		870	51	15-105
N-Nitrosodimethylamine	1700		1300	76	55-125
Aniline	1700		950	56	10-105
Phenol	1700		1300	76	60-140
bis(2-Chloroethyl)Ether	1700		1300	76	60-125
2-Chlorophenol	1700		1300	76	60-125
1,3-Dichlorobenzene	1700		1300	76	50-115
1,4-Dichlorobenzene	1700		1300	76	55-120
Benzyl Alcohol	1700		1400	82	50-155
1,2-Dichlorobenzene	1700		1300	76	55-120
2-Methylphenol	1700		1300	76	50-135
2,2'-oxybis(1-Chloropro	1700		1300	76	60-130
4-Methylphenol	1700		1300	76	35-140
N-Nitroso-di-n-prop.(1)	1700		1400	82	45-125
Hexachloroethane	1700		1200	70	55-120
Nitrobenzene	1700		1300	76	55-120
Isophorone	1700		1400	82	50-115
2-Nitrophenol	1700		1400	82	55-135
2,4-Dimethylphenol	1700		1300	76	25-150
bis(2-Chloroethoxy)meth	1700		1300	76	55-125
Benzoic Acid	1700		1100	65	25-145
2,4-Dichlorophenol	1700		1300	76	55-130
1,2,4-Trichlorobenzene	1700		1300	76	55-120
Naphthalene	1700		1300	76	55-120
4-Chloroaniline	1700		720	42	10- 90
Hexachlorobutadiene	1700		1300	76	50-130
4-Chloro-3-methylphenol	1700		1400	82	60-140
2-Methylnaphthalene	1700		1300	76	45-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - STLVT Sample No.: A091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Hexachlorocyclopentadie	1700		1200	70	30-105
2,4,6-Trichlorophenol	1700		1400	82	60-135
2,4,5-Trichlorophenol	1700		1500	88	60-130
2-Chloronaphthalene	1700		1200	70	45-120
2-Nitroaniline	1700		1200	70	50-125
Dimethylphthalate	1700		1400	82	55-120
Acenaphthylene	1700		1400	82	50-115
2,6-Dinitrotoluene	1700		1300	76	55-130
3-Nitroaniline	1700		760	45	20- 85
Acenaphthene	1700		1400	82	55-120
2,4-Dinitrophenol	1700		1000	59	25-160
Dibenzofuran	1700		1400	82	55-120
4-Nitrophenol	1700		1100	65	30-155
2,4-Dinitrotoluene	1700		1400	82	50-120
Fluorene	1700		1300	76	50-125
Diethylphthalate	1700		1300	76	50-125
4-Chlorophenyl-phenylet	1700		1300	76	50-120
4-Nitroaniline	1700		1200	70	25-115
4,6-Dinitro-2-methylphe	1700		1300	76	55-160
N-nitrosodiphenylamine	1700		1400	82	45-130
Azobenzene	1700		1300	76	60-140
4-Bromophenyl-phenyleth	1700		1500	88	55-130
Hexachlorobenzene	1700		1400	82	55-125
Pentachlorophenol	1700		1100	65	50-140
Phenanthrene	1700		1400	82	60-125
Anthracene	1700		1400	82	60-125
Carbazole	1700		1400	82	55-125
Di-n-butylphthalate	1700		1400	82	50-120

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - STLVT Sample No.: A091209LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Fluoranthene	1700		1300	76	50-120
Benzidine	1700		290	17	10-120
Pyrene	1700		1400	82	35-175
Butylbenzylphthalate	1700		1400	82	65-145
Benzo(a)anthracene	1700		1400	82	55-130
3,3'-Dichlorobenzidine	1700		840	49	10-120
Chrysene	1700		1400	82	60-125
bis(2-Ethylhexyl)phthal	1700		1400	82	55-140
Di-n-octylphthalate	1700		1500	88	60-135
Benzo(b)fluoranthene	1700		1500	88	45-130
Benzo(k)fluoranthene	1700		1500	88	60-125
Benzo(a)pyrene	1700		1400	82	55-120
Indeno(1,2,3-cd)pyrene	1700		1600	94	55-135
Dibenz(a,h)anthracene	1700		1500	88	35-145
Benzo(g,h,i)perylene	1700		1700	100	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 71 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK091209A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: B0912A Lab Sample ID: MBLK091209A

Instrument ID: U Date Extracted: 09/12/09

Matrix: (soil/water) SOIL Date Analyzed: 09/16/09

Level:(low/med) LOW Time Analyzed: 1320

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	A091209LCS	A091209LCS	Q0912A	09/16/09
02	TS10043	805772	805772	09/21/09
03	TS10042	805771	805771	09/21/09
04				
05				
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07				
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COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: UGN05PS DFTPP Injection Date: 09/15/09

Instrument ID: U DFTPP Injection Time: 0826

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	48.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	72.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	58.3
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	16.7
365	Greater than 1.0% of mass 198	1.75
441	Present, but less than mass 443	8.7
442	Greater than 40.0% of mass 198	56.8
443	17.0 - 23.0% of mass 442	11.1 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	UGN160	09/15/09	0849
02	SSTD140	SSTD140	UGN140	09/15/09	0926
03	SSTD120	SSTD120	UGN120	09/15/09	0959
04	SSTD100	SSTD100	UGN100	09/15/09	1033
05	SSTD080	SSTD080	UGN080	09/15/09	1106
06	SSTD050	SSTD050	UGN050	09/15/09	1140
07	SSTD020	SSTD020	UGN020	09/15/09	1213
08	SSTD320	SSTD320	UGN320	09/15/09	1247
09	SSTD100-ICV	SSTD100-ICV	UGN100IC	09/15/09	1718
10					
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: UGN06PS DFTPP Injection Date: 09/16/09

Instrument ID: U DFTPP Injection Time: 0633

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	74.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	59.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	17.1
365	Greater than 1.0% of mass 198	1.81
441	Present, but less than mass 443	7.7
442	Greater than 40.0% of mass 198	51.0
443	17.0 - 23.0% of mass 442	9.9 (19.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGN080A	09/16/09	1205
02	A091209LCS	A091209LCS	Q0912A	09/16/09	1247
03	MBLK091209A	MBLK091209A	B0912A	09/16/09	1320
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID: UGN18PS DFTPP Injection Date: 09/21/09

Instrument ID: U DFTPP Injection Time: 1021

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	80.4
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	59.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	18.0
365	Greater than 1.0% of mass 198	2.15
441	Present, but less than mass 443	10.0
442	Greater than 40.0% of mass 198	66.2
443	17.0 - 23.0% of mass 442	13.0 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGN080E2	09/21/09	1040
02	TS10043	805772	805772	09/21/09	1408
03	TS10042	805771	805771	09/21/09	1441
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6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugn020.d RRF50 =ugn050.d
RRF80 =ugn080.d RRF100=ugn100.d RRF120=ugn120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Pyridine	1.501	1.598	1.656	1.678	1.599		
N-Nitrosodimethylamine	0.896	0.921	0.917	0.931	0.906		
Aniline		2.010	2.000	2.077	2.000		
Phenol *	1.632	1.764	1.732	1.813	1.751		*
bis(2-Chloroethyl)Ether	1.275	1.343	1.315	1.412	1.313		
2-Chlorophenol	1.380	1.448	1.459	1.504	1.441		
1,3-Dichlorobenzene	1.406	1.562	1.472	1.536	1.451		
1,4-Dichlorobenzene *	1.458	1.544	1.530	1.580	1.497		*
Benzyl Alcohol	0.628	0.712	0.752	0.817	0.801		
1,2-Dichlorobenzene	1.351	1.421	1.408	1.467	1.393		
2-Methylphenol	0.941	1.009	1.004	1.033	0.989		
2,2'-oxybis(1-Chloropropane	2.123	2.178	2.136	2.216	2.098		
4-Methylphenol	1.224	1.299	1.315	1.361	1.293		
N-Nitroso-di-n-propylamine #	0.954	1.001	1.008	1.039	0.992		#
Hexachloroethane	0.655	0.706	0.700	0.721	0.692		
Nitrobenzene	0.364	0.385	0.388	0.396	0.388		
Isophorone	0.646	0.680	0.691	0.703	0.678		
2-Nitrophenol *	0.182	0.199	0.200	0.205	0.196		*
2,4-Dimethylphenol	0.284	0.314	0.323	0.332	0.322		
bis(2-Chloroethoxy)methane	0.386	0.408	0.415	0.430	0.405		
Benzoic Acid		0.198	0.217	0.231	0.223		
2,4-Dichlorophenol *	0.218	0.241	0.242	0.246	0.238		*
1,2,4-Trichlorobenzene	0.259	0.275	0.273	0.276	0.264		
Naphthalene	0.973	1.035	1.023	1.048	1.012		
4-Chloroaniline	0.396	0.418	0.428	0.427	0.425		
Hexachlorobutadiene *	0.142	0.155	0.154	0.157	0.147		*
4-Chloro-3-methylphenol *	0.203	0.225	0.236	0.244	0.243		*
2-Methylnaphthalene	0.180	0.195	0.190	0.197	0.187		
Hexachlorocyclopentadiene #	0.323	0.370	0.382	0.398	0.386		#
2,4,6-Trichlorophenol *	0.361	0.394	0.398	0.402	0.395		*
2,4,5-Trichlorophenol		0.378	0.393	0.394	0.389		
2-Chloronaphthalene	0.553	0.585	0.596	0.602	0.597		
2-Nitroaniline		0.480	0.483	0.484	0.469		
Dimethylphthalate	1.187	1.300	1.333	1.336	1.292		
Acenaphthylene	1.882	2.020	2.036	2.029	1.981		
2,6-Dinitrotoluene	0.300	0.330	0.345	0.342	0.339		
3-Nitroaniline		0.397	0.408	0.412	0.414		

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugn020.d RRF50 =ugn050.d
RRF80 =ugn080.d RRF100=ugn100.d RRF120=ugn120.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD	
Acenaphthene	*	1.076	1.146	1.135	1.142	1.119			*
2,4-Dinitrophenol	#		0.187	0.202	0.213	0.213			#
Dibenzofuran		1.496	1.575	1.594	1.570	1.534			
4-Nitrophenol	#		0.285	0.306	0.314	0.320			#
2,4-Dinitrotoluene		0.362	0.400	0.412	0.404	0.408			
Fluorene		1.159	1.253	1.269	1.365	1.267			
Diethylphthalate		1.257	1.417	1.434	1.567	1.478			
4-Chlorophenyl-phenylether		0.554	0.611	0.634	0.686	0.626			
4-Nitroaniline			0.385	0.387	0.402	0.391			
4,6-Dinitro-2-methylphenol			0.158	0.160	0.168	0.160			
N-nitrosodiphenylamine (1)	*	0.625	0.651	0.652	0.669	0.633			*
Azobenzene		0.313	0.330	0.350	0.374	0.350			
4-Bromophenyl-phenylether		0.196	0.207	0.208	0.220	0.206			
Hexachlorobenzene		0.206	0.218	0.220	0.230	0.211			
Pentachlorophenol	*		0.136	0.141	0.147	0.143			*
Phenanthrene		1.005	1.063	1.064	1.083	1.033			
Anthracene		0.981	1.062	1.054	1.071	1.028			
Carbazole		0.928	1.015	1.012	1.012	0.995			
Di-n-butylphthalate		1.340	1.516	1.507	1.554	1.542			
Fluoranthene	*	0.990	1.104	1.076	1.108	1.073			*
Benzidine			0.716	0.657	0.683	0.665			
Pyrene		1.289	1.297	1.274	1.293	1.228			
Butylbenzylphthalate		0.655	0.720	0.718	0.755	0.722			
Benzo(a)anthracene		1.035	1.140	1.171	1.205	1.168			
3,3'-Dichlorobenzidine		0.410	0.432	0.426	0.424	0.421			
Chrysene		0.983	1.011	1.000	1.035	0.983			
bis(2-Ethylhexyl)phthalate		0.916	1.018	1.040	1.070	1.032			
Di-n-octylphthalate	*	1.452	1.705	1.727	1.750	1.696			*
Benzo(b)fluoranthene		0.910	1.021	0.984	1.209	0.950			
Benzo(k)fluoranthene		1.287	1.411	1.302	1.016	1.108			
Benzo(a)pyrene	*	0.976	1.102	1.080	1.022	0.987			*
Indeno(1,2,3-cd)pyrene		1.023	1.219	1.292	1.354	1.281			
Dibenz(a,h)anthracene		0.841	1.008	1.092	1.152	1.100			
Benzo(g,h,i)perylene		0.889	0.973	1.070	1.063	0.950			
2-Fluorophenol		1.518	1.540	1.484	1.518	1.502			

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugn020.d RRF50 =ugn050.d
RRF80 =ugn080.d RRF100=ugn100.d RRF120=ugn120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Phenol-d5	1.729	1.755	1.721	1.749	1.747		
2-Chlorophenol-d4	1.468	1.507	1.456	1.478	1.453		
1,2-Dichlorobenzene-d4	0.948	0.964	0.940	0.952	0.935		
Nitrobenzene-d5	0.408	0.417	0.408	0.411	0.414		
2-Fluorobiphenyl	1.436	1.416	1.406	1.392	1.410		
2,4,6-Tribromophenol	0.179	0.189	0.201	0.210	0.206		
Terphenyl-d14	0.888	0.867	0.859	0.885	0.849		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugn140.d RRF160=ugn160.d
RRF320=ugn320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Pyridine	1.618	1.640				1.613	3.6
N-Nitrosodimethylamine	0.945	0.923				0.920	1.7
Aniline	2.109	2.146				2.057	3.1
Phenol *	1.878	1.870				1.777	4.8*
bis(2-Chloroethyl)Ether	1.424	1.421				1.358	4.5
2-Chlorophenol	1.546	1.557				1.476	4.3
1,3-Dichlorobenzene	1.558	1.578				1.509	4.4
1,4-Dichlorobenzene *	1.618	1.586				1.545	3.6*
Benzyl Alcohol	0.886	0.883				0.783	11.9
1,2-Dichlorobenzene	1.491	1.494				1.432	3.8
2-Methylphenol	1.061	1.084				1.017	4.7
2,2'-oxybis(1-Chloropropane	2.240	2.223				2.173	2.5
4-Methylphenol	1.370	1.422				1.326	4.8
N-Nitroso-di-n-propylamine #	1.050	1.071				1.016	3.9#
Hexachloroethane	0.741	0.766				0.712	5.0
Nitrobenzene	0.406	0.397				0.389	3.4
Isophorone	0.709	0.706				0.688	3.2
2-Nitrophenol *	0.204	0.202				0.198	3.9*
2,4-Dimethylphenol	0.340	0.339				0.322	5.9
bis(2-Chloroethoxy)methane	0.431	0.426				0.414	3.9
Benzoic Acid	0.235	0.232	0.219			0.222	5.6
2,4-Dichlorophenol *	0.244	0.244				0.239	4.0*
1,2,4-Trichlorobenzene	0.276	0.276				0.271	2.5
Naphthalene	1.056	1.045				1.027	2.8
4-Chloroaniline	0.446	0.438				0.425	3.7
Hexachlorobutadiene *	0.153	0.155				0.152	3.5*
4-Chloro-3-methylphenol *	0.263	0.261				0.239	8.7*
2-Methylnaphthalene	0.200	0.202				0.193	4.0
Hexachlorocyclopentadiene #	0.402	0.406				0.381	7.4#
2,4,6-Trichlorophenol *	0.398	0.401				0.393	3.6*
2,4,5-Trichlorophenol	0.415	0.397				0.394	3.0
2-Chloronaphthalene	0.615	0.600				0.592	3.3
2-Nitroaniline	0.489	0.475				0.480	1.5
Dimethylphthalate	1.370	1.339				1.308	4.5
Acenaphthylene	2.059	2.017				2.003	2.9
2,6-Dinitrotoluene	0.352	0.350				0.337	5.3
3-Nitroaniline	0.433	0.424				0.415	3.0

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugn140.d RRF160=ugn160.d
RRF320=ugn320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Acenaphthene *	1.177	1.140				1.134	2.7*
2,4-Dinitrophenol #	0.229	0.223				0.211	7.1#
Dibenzofuran	1.587	1.573				1.561	2.2
4-Nitrophenol #	0.336	0.332				0.316	5.9#
2,4-Dinitrotoluene	0.430	0.416				0.404	5.2
Fluorene	1.326	1.309				1.278	5.1
Diethylphthalate	1.551	1.514				1.460	7.2
4-Chlorophenyl-phenylether	0.671	0.656				0.634	6.9
4-Nitroaniline	0.413	0.405				0.397	2.8
4,6-Dinitro-2-methylphenol	0.174	0.173				0.166	4.3
N-nitrosodiphenylamine (1) *	0.682	0.677				0.656	3.3*
Azobenzene	0.363	0.359				0.348	5.9
4-Bromophenyl-phenylether	0.215	0.213				0.209	3.6
Hexachlorobenzene	0.226	0.226				0.220	4.0
Pentachlorophenol *	0.155	0.156				0.146	5.4*
Phenanthrene	1.097	1.082				1.061	3.0
Anthracene	1.092	1.102				1.056	3.9
Carbazole	1.072	1.053				1.012	4.5
Di-n-butylphthalate	1.649	1.673				1.540	7.1
Fluoranthene *	1.173	1.181				1.101	5.9*
Benzidine	0.670	0.644				0.672	3.7
Pyrene	1.294	1.236				1.273	2.3
Butylbenzylphthalate	0.779	0.750				0.728	5.4
Benzo(a)anthracene	1.237	1.218				1.168	5.8
3,3'-Dichlorobenzidine	0.422	0.422				0.422	1.6
Chrysene	1.040	1.031				1.012	2.4
bis(2-Ethylhexyl)phthalate	1.116	1.090				1.040	6.2
Di-n-octylphthalate *	1.820	1.807				1.708	7.2*
Benzo(b)fluoranthene	1.038	1.141				1.036	10.2
Benzo(k)fluoranthene	1.135	1.022				1.183	12.8
Benzo(a)pyrene *	1.086	1.044				1.042	4.8*
Indeno(1,2,3-cd)pyrene	1.264	1.124				1.222	9.3
Dibenz(a,h)anthracene	1.092	0.988				1.039	10.0
Benzo(g,h,i)perylene	0.914	0.762				0.946	11.2
2-Fluorophenol	1.529	1.560				1.522	1.6

(1) Cannot be separated from Diphenylamine

FORM VI SV-2 1/87 Rev.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date(s): 09/15/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugn140.d RRF160=ugn160.d
RRF320=ugn320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Phenol-d5	1.790	1.829				1.760	2.1
2-Chlorophenol-d4	1.511	1.523				1.485	1.9
1,2-Dichlorobenzene-d4	0.962	0.969				0.953	1.3
Nitrobenzene-d5	0.419	0.414				0.413	1.0
2-Fluorobiphenyl	1.389	1.380				1.404	1.4
2,4,6-Tribromophenol	0.208	0.203				0.199	5.6
Terphenyl-d14	0.842	0.837				0.861	2.3

FORM VI SV-3 1/87 Rev.

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/16/09 Time: 1205

Lab File ID: UGN080A Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Pyridine	1.613	1.627		0.9	
N-Nitrosodimethylamine	0.920	0.925		0.5	
Aniline	2.057	1.970		4.2	
Phenol	1.777	1.730		2.6	20.0
bis(2-Chloroethyl)Ether	1.358	1.336		1.6	
2-Chlorophenol	1.476	1.416		4.1	
1,3-Dichlorobenzene	1.509	1.482		1.8	
1,4-Dichlorobenzene	1.545	1.528		1.1	20.0
Benzyl Alcohol	0.783	0.682		12.9	
1,2-Dichlorobenzene	1.432	1.390		2.9	
2-Methylphenol	1.017	0.963		5.3	
2,2'-oxybis(1-Chloropropane)	2.173	2.109		2.9	
4-Methylphenol	1.326	1.231		7.2	
N-Nitroso-di-n-propylamine	1.016	0.991	0.05	2.5	
Hexachloroethane	0.712	0.682		4.2	
Nitrobenzene	0.389	0.374		3.8	
Isophorone	0.688	0.675		1.9	
2-Nitrophenol	0.198	0.192		3.0	20.0
2,4-Dimethylphenol	0.322	0.300		6.8	
bis(2-Chloroethoxy)methane	0.414	0.408		1.4	
Benzoic Acid	0.222	0.193		13.1	
2,4-Dichlorophenol	0.239	0.234		2.1	20.0
1,2,4-Trichlorobenzene	0.271	0.264		2.6	
Naphthalene	1.027	0.994		3.2	
4-Chloroaniline	0.425	0.423		0.5	
Hexachlorobutadiene	0.152	0.146		3.9	20.0
4-Chloro-3-methylphenol	0.239	0.247		3.3	20.0
2-Methylnaphthalene	0.193	0.185		4.1	
Hexachlorocyclopentadiene	0.381	0.361	0.05	5.2	
2,4,6-Trichlorophenol	0.393	0.372		5.3	20.0
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2-Chloronaphthalene	0.592	0.574		3.0	
2-Nitroaniline	0.480	0.460		4.2	
Dimethylphthalate	1.308	1.313		0.4	
Acenaphthylene	2.003	1.983		1.0	
2,6-Dinitrotoluene	0.337	0.328		2.7	
3-Nitroaniline	0.415	0.412		0.7	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/16/09 Time: 1205

Lab File ID: UGN080A Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Acenaphthene	1.134	1.131		0.3	20.0
2,4-Dinitrophenol	0.211	0.183	0.05	13.3	
Dibenzofuran	1.561	1.563		0.1	
4-Nitrophenol	0.316	0.291	0.05	7.9	
2,4-Dinitrotoluene	0.404	0.412		2.0	
Fluorene	1.278	1.226		4.1	
Diethylphthalate	1.460	1.421		2.7	
4-Chlorophenyl-phenylether	0.634	0.601		5.2	
4-Nitroaniline	0.397	0.417		5.0	
4,6-Dinitro-2-methylphenol	0.166	0.149		10.2	
N-nitrosodiphenylamine	0.656	0.622		5.2	20.0
Azobenzene	0.348	0.341		2.0	
4-Bromophenyl-phenylether	0.209	0.203		2.9	
Hexachlorobenzene	0.220	0.212		3.6	
Pentachlorophenol	0.146	0.125		14.4	20.0
Phenanthrene	1.061	1.039		2.1	
Anthracene	1.056	1.015		3.9	
Carbazole	1.012	0.992		2.0	
Di-n-butylphthalate	1.540	1.508		2.1	
Fluoranthene	1.101	1.081		1.8	20.0
Benzidine	0.672	0.612		8.9	
Pyrene	1.273	1.133		11.0	
Butylbenzylphthalate	0.728	0.661		9.2	
Benzo(a)anthracene	1.168	1.096		6.2	
3,3'-Dichlorobenzidine	0.422	0.373		11.6	
Chrysene	1.012	0.974		3.8	
bis(2-Ethylhexyl)phthalate	1.040	0.962		7.5	
Di-n-octylphthalate	1.708	1.623		5.0	20.0
Benzo(b)fluoranthene	1.036	1.015		2.0	
Benzo(k)fluoranthene	1.183	1.145		3.2	
Benzo(a)pyrene	1.042	1.029		1.2	20.0
Indeno(1,2,3-cd)pyrene	1.222	1.239		1.4	
Dibenz(a,h)anthracene	1.039	1.002		3.6	
Benzo(g,h,i)perylene	0.946	1.046		10.6	
2-Fluorophenol	1.522	1.466		3.7	
Phenol-d5	1.760	1.702		3.3	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/16/09 Time: 1205

Lab File ID: UGN080A Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.485	1.449		2.4	
1,2-Dichlorobenzene-d4	0.953	0.904		5.1	
Nitrobenzene-d5	0.413	0.394		4.6	
2-Fluorobiphenyl	1.404	1.390		1.0	
2,4,6-Tribromophenol	0.199	0.182		8.5	
Terphenyl-d14	0.861	0.774		10.1	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/21/09 Time: 1040

Lab File ID: UGN080E2 Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Pyridine	1.613	1.468		9.0	
N-Nitrosodimethylamine	0.920	0.933		1.4	
Aniline	2.057	1.899		7.7	
Phenol	1.777	1.700		4.3	20.0
bis(2-Chloroethyl)Ether	1.358	1.304		4.0	
2-Chlorophenol	1.476	1.375		6.8	
1,3-Dichlorobenzene	1.509	1.413		6.4	
1,4-Dichlorobenzene	1.545	1.425		7.8	20.0
Benzyl Alcohol	0.783	0.785		0.2	
1,2-Dichlorobenzene	1.432	1.342		6.3	
2-Methylphenol	1.017	0.960		5.6	
2,2'-oxybis(1-Chloropropane)	2.173	2.218		2.1	
4-Methylphenol	1.326	1.260		5.0	
N-Nitroso-di-n-propylamine	1.016	1.031	0.05	1.5	
Hexachloroethane	0.712	0.648		9.0	
Nitrobenzene	0.389	0.372		4.4	
Isophorone	0.688	0.674		2.0	
2-Nitrophenol	0.198	0.189		4.5	20.0
2,4-Dimethylphenol	0.322	0.297		7.8	
bis(2-Chloroethoxy)methane	0.414	0.384		7.2	
Benzoic Acid	0.222	0.148		33.3	
2,4-Dichlorophenol	0.239	0.220		7.9	20.0
1,2,4-Trichlorobenzene	0.271	0.242		10.7	
Naphthalene	1.027	0.906		11.8	
4-Chloroaniline	0.425	0.371		12.7	
Hexachlorobutadiene	0.152	0.138		9.2	20.0
4-Chloro-3-methylphenol	0.239	0.232		2.9	20.0
2-Methylnaphthalene	0.193	0.170		11.9	
Hexachlorocyclopentadiene	0.381	0.339	0.05	11.0	
2,4,6-Trichlorophenol	0.393	0.373		5.1	20.0
2,4,5-Trichlorophenol	0.394	0.378		4.1	
2-Chloronaphthalene	0.592	0.531		10.3	
2-Nitroaniline	0.480	0.442		7.9	
Dimethylphthalate	1.308	1.136		13.1	
Acenaphthylene	2.003	1.834		8.4	
2,6-Dinitrotoluene	0.337	0.290		13.9	
3-Nitroaniline	0.415	0.375		9.6	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/21/09 Time: 1040

Lab File ID: UGN080E2 Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Acenaphthene	1.134	1.059		6.6	20.0
2,4-Dinitrophenol	0.211	0.157	0.05	25.6	
Dibenzofuran	1.561	1.434		8.1	
4-Nitrophenol	0.316	0.296	0.05	6.3	
2,4-Dinitrotoluene	0.404	0.361		10.6	
Fluorene	1.278	1.095		14.3	
Diethylphthalate	1.460	1.224		16.2	
4-Chlorophenyl-phenylether	0.634	0.532		16.1	
4-Nitroaniline	0.397	0.316		20.4	
4,6-Dinitro-2-methylphenol	0.166	0.138		16.9	
N-nitrosodiphenylamine	0.656	0.657		0.2	20.0
Azobenzene	0.348	0.302		13.2	
4-Bromophenyl-phenylether	0.209	0.217		3.8	
Hexachlorobenzene	0.220	0.220		0.0	
Pentachlorophenol	0.146	0.142		2.7	20.0
Phenanthrene	1.061	1.009		4.9	
Anthracene	1.056	0.997		5.6	
Carbazole	1.012	0.951		6.0	
Di-n-butylphthalate	1.540	1.372		10.9	
Fluoranthene	1.101	0.960		12.8	20.0
Benzidine	0.672	0.344		48.8	
Pyrene	1.273	1.171		8.0	
Butylbenzylphthalate	0.728	0.668		8.2	
Benzo(a)anthracene	1.168	1.047		10.4	
3,3'-Dichlorobenzidine	0.422	0.416		1.4	
Chrysene	1.012	0.946		6.5	
bis(2-Ethylhexyl)phthalate	1.040	0.986		5.2	
Di-n-octylphthalate	1.708	1.682		1.5	20.0
Benzo(b)fluoranthene	1.036	1.026		1.0	
Benzo(k)fluoranthene	1.183	1.099		7.1	
Benzo(a)pyrene	1.042	0.988		5.2	20.0
Indeno(1,2,3-cd)pyrene	1.222	1.195		2.2	
Dibenz(a,h)anthracene	1.039	0.994		4.3	
Benzo(g,h,i)perylene	0.946	0.985		4.1	
2-Fluorophenol	1.522	1.521		0.1	
Phenol-d5	1.760	1.837		4.4	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: U Calibration Date: 09/21/09 Time: 1040

Lab File ID: UGN080E2 Init. Calib. Date(s): 09/15/09 09/16/09

Init. Calib. Times: 0849 1125

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.485	1.488		0.2	
1,2-Dichlorobenzene-d4	0.953	0.948		0.5	
Nitrobenzene-d5	0.413	0.427		3.4	
2-Fluorobiphenyl	1.404	1.398		0.4	
2,4,6-Tribromophenol	0.199	0.200		0.5	
Terphenyl-d14	0.861	0.846		1.7	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN050 Date Analyzed: 09/15/09

Instrument ID: U Time Analyzed: 1140

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	337170	6.93	1202938	8.90	456608	11.72
	UPPER LIMIT	674340	7.43	2405876	9.40	913216	12.22
	LOWER LIMIT	168585	6.43	601469	8.40	228304	11.22
	STLVT SAMPLE NO.						
01	SSTD100-ICV	288092	6.93	1055752	8.90	411282	11.72
02							
03							
04							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN050 Date Analyzed: 09/15/09

Instrument ID: U Time Analyzed: 1140

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	693580	14.09	627558	18.24	576396	20.18
	UPPER LIMIT	1387160	14.59	1255116	18.74	1152792	20.68
	LOWER LIMIT	346790	13.59	313779	17.74	288198	19.68
	STLVT SAMPLE NO.						
01	SSTD100-ICV	632871	14.09	615422	18.24	566685	20.18
02							
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080A Date Analyzed: 09/16/09

Instrument ID: U Time Analyzed: 1205

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	265469	6.91	946739	8.87	362382	11.71
	UPPER LIMIT	530938	7.41	1893478	9.37	724764	12.21
	LOWER LIMIT	132734	6.41	473370	8.37	181191	11.21
	STLVT SAMPLE NO.						
01	A091209LCS	357971	6.92	1255606	8.87	460522	11.71
02	MBLK091209A	421363	6.91	1557263	8.87	591197	11.70
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080A Date Analyzed: 09/16/09

Instrument ID: U Time Analyzed: 1205

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	584464	14.07	589837	18.22	574630	20.18
	UPPER LIMIT	1168928	14.57	1179674	18.72	1149260	20.68
	LOWER LIMIT	292232	13.57	294918	17.72	287315	19.68
	STLVT SAMPLE NO.						
01	A091209LCS	647640	14.07	555257	18.22	533666	20.17
02	MBLK091209A	818840	14.07	607319	18.21	546622	20.16
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080E2 Date Analyzed: 09/21/09

Instrument ID: U Time Analyzed: 1040

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	380622	6.61	1419534	8.57	527385	11.39
	UPPER LIMIT	761244	7.11	2839068	9.07	1054770	11.89
	LOWER LIMIT	190311	6.11	709767	8.07	263692	10.89
	STLVT SAMPLE NO.						
01	TS10043	364581	6.67	1313717	8.59	515894	11.39
02	TS10042	329343	6.62	1189578	8.56	434614	11.39
03							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab File ID (Standard): UGN080E2 Date Analyzed: 09/21/09

Instrument ID: U Time Analyzed: 1040

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	713061	13.74	627239	17.91	634633	19.83
	UPPER LIMIT	1426122	14.24	1254478	18.41	1269266	20.33
	LOWER LIMIT	356530	13.24	313620	17.41	317316	19.33
	STLVT SAMPLE NO.						
01	TS10043	740382	13.74	751714	17.91	793819	19.82
02	TS10042	623422	13.74	619629	17.90	647532	19.81
03							
04							
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10042

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805771

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 06OCT090843-R031

% Moisture: 4 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R041

% Moisture: 6 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor epoxide	1.8	U
959-98-8	Endosulfan I	1.8	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18	U
53494-70-5	Endrin ketone	3.5	U
7421-93-4	Endrin aldehyde	3.5	U
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	1.8	U
5103-71-9	alpha-Chlordane	1.8	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK091909B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: MBLK091909B

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 06OCT090843-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	1.7	U
5103-71-9	alpha-Chlordane	1.7	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772MS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R051

% Moisture: 6 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.4	
319-85-7	beta-BHC	6.2	
319-86-8	delta-BHC	2.0	
58-89-9	gamma-BHC (Lindane)	5.1	
76-44-8	Heptachlor	5.8	
309-00-2	Aldrin	5.5	
1024-57-3	Heptachlor epoxide	5.7	
959-98-8	Endosulfan I	1.8	
60-57-1	Dieldrin	11	
72-55-9	4,4'-DDE	13	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	5.0	
72-54-8	4,4'-DDD	12	
1031-07-8	Endosulfan sulfate	10	
50-29-3	4,4'-DDT	14	
72-43-5	Methoxychlor	68	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	7.7	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	6.0	
5103-71-9	alpha-Chlordane	5.3	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: 805772MD

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R061

% Moisture: 6 decanted: (Y/N) N Date Received: 09/09/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.6	
319-85-7	beta-BHC	6.8	
319-86-8	delta-BHC	2.3	
58-89-9	gamma-BHC (Lindane)	5.4	
76-44-8	Heptachlor	6.3	
309-00-2	Aldrin	6.0	
1024-57-3	Heptachlor epoxide	6.4	
959-98-8	Endosulfan I	2.2	
60-57-1	Dieldrin	12	
72-55-9	4,4'-DDE	14	
72-20-8	Endrin	13	
33213-65-9	Endosulfan II	5.9	
72-54-8	4,4'-DDD	13	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4'-DDT	15	
72-43-5	Methoxychlor	70	
53494-70-5	Endrin ketone	11	
7421-93-4	Endrin aldehyde	8.6	
57-74-9	Chlordane	18	U
8001-35-2	Toxaphene	180	U
5103-74-2	gamma-Chlordane	6.6	
5103-71-9	alpha-Chlordane	5.8	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix: (soil/water) SOIL Lab Sample ID: B091909LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 06OCT090843-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/19/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 10/06/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	5.9	
319-85-7	beta-BHC	5.9	
319-86-8	delta-BHC	5.8	
58-89-9	gamma-BHC (Lindane)	6.1	
76-44-8	Heptachlor	5.9	
309-00-2	Aldrin	5.6	
1024-57-3	Heptachlor epoxide	6.1	
959-98-8	Endosulfan I	5.2	
60-57-1	Dieldrin	12	
72-55-9	4,4'-DDE	12	
72-20-8	Endrin	12	
33213-65-9	Endosulfan II	11	
72-54-8	4,4'-DDD	12	
1031-07-8	Endosulfan sulfate	11	
50-29-3	4,4'-DDT	16	
72-43-5	Methoxychlor	67	
53494-70-5	Endrin ketone	12	
7421-93-4	Endrin aldehyde	8.3	
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	6.1	
5103-71-9	alpha-Chlordane	5.6	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK091909B	94	93	94	96			0
02	B091909LCS	88	88	97	96			0
03	TS10042	101	100	83	100			0
04	TS10043	92	94	66	80			0
05	TS10043MS	79	80	56*	67			1
06	TS10043MSD	88	86	57*	71			1
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
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22								
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24								
25								
26								
27								
28								

ADVISORY
QC LIMITS
S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - BBLKAL Sample No.: TS10043

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
alpha-BHC	7.1	0.0	4.4	62	55-130
beta-BHC	7.1	0.0	6.2	87	60-130
delta-BHC	7.1	0.0	2.0	28*	50-135
gamma-BHC (Lindane)	7.1	0.0	5.1	72	55-135
Heptachlor	7.1	0.0	5.8	82	60-135
Aldrin	7.1	0.0	5.5	77	55-135
Heptachlor epoxide	7.1	0.0	5.7	80	60-130
Endosulfan I	7.1	0.0	1.8	25*	55-125
Dieldrin	14	0.0	11	78	60-145
4,4'-DDE	14	0.0	13	93	60-145
Endrin	14	0.0	12	86	60-145
Endosulfan II	14	0.0	5.0	36*	55-125
4,4'-DDD	14	0.0	12	86	60-145
Endosulfan sulfate	14	0.0	10	71	40-140
4,4'-DDT	14	0.0	14	100	60-155
Methoxychlor	71	0.0	68	96	65-145
Endrin ketone	14	0.0	11	78	65-145
Endrin aldehyde	14	0.0	7.7	55	15-110
gamma-Chlordane	7.1	0.0	6.0	84	60-140
alpha-Chlordane	7.1	0.0	5.3	75	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - BBLKAL Sample No.: TS10043

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
alpha-BHC	7.1	4.6	65	5	30	55-130
beta-BHC	7.1	6.8	96	10	30	60-130
delta-BHC	7.1	2.3	32*	13	30	50-135
gamma-BHC (Lindane)	7.1	5.4	76	5	30	55-135
Heptachlor	7.1	6.3	89	8	30	60-135
Aldrin	7.1	6.0	84	9	30	55-135
Heptachlor epoxide	7.1	6.4	90	12	30	60-130
Endosulfan I	7.1	2.2	31*	21	30	55-125
Dieldrin	14	12	86	10	30	60-145
4,4'-DDE	14	14	100	7	30	60-145
Endrin	14	13	93	8	30	60-145
Endosulfan II	14	5.9	42*	15	30	55-125
4,4'-DDD	14	13	93	8	30	60-145
Endosulfan sulfate	14	11	78	9	30	40-140
4,4'-DDT	14	15	107	7	30	60-155
Methoxychlor	71	70	98	2	30	65-145
Endrin ketone	14	11	78	0	30	65-145
Endrin aldehyde	14	8.6	61	10	30	15-110
gamma-Chlordane	7.1	6.6	93	10	30	60-140
alpha-Chlordane	7.1	5.8	82	9	30	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 20 outside limits
Spike Recovery: 6 out of 40 outside limits

COMMENTS:

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Matrix Spike - Sample No.: B091909LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.7		5.9	88	55-130
beta-BHC	6.7		5.9	88	60-130
delta-BHC	6.7		5.8	86	50-135
gamma-BHC (Lindane)	6.7		6.1	91	55-135
Heptachlor	6.7		5.9	88	60-135
Aldrin	6.7		5.6	84	55-135
Heptachlor epoxide	6.7		6.1	91	60-130
Endosulfan I	6.7		5.2	78	55-125
Dieldrin	13		12	92	60-145
4,4'-DDE	13		12	92	60-145
Endrin	13		12	92	60-145
Endosulfan II	13		11	85	55-125
4,4'-DDD	13		12	92	60-145
Endosulfan sulfate	13		11	85	40-140
4,4'-DDT	13		16	123	60-155
Methoxychlor	67		67	100	65-145
Endrin ketone	13		12	92	65-145
Endrin aldehyde	13		8.3	64	15-110
gamma-Chlordane	6.7		6.1	91	60-140
alpha-Chlordane	6.7		5.6	84	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK091909B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: MBLK091909B Lab File ID: 06OCT090843-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 09/19/09

Date Analyzed (1): 10/06/09 Date Analyzed (2): 10/06/09

Time Analyzed (1): 1202 Time Analyzed (2): 1202

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	B091909LCS	B091909LCS	10/06/09	10/06/09
02	TS10042	805771	10/06/09	10/06/09
03	TS10043	805772	10/06/09	10/06/09
04	TS10043MS	805772MS	10/06/09	10/06/09
05	TS10043MSD	805772MD	10/06/09	10/06/09
06				
07				
08				
09				
10				
11				
12				
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14				
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17				
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19				
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22				
23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_1 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1009 1134

LAB FILE ID: RF1: 06OCT090840-RRF2: 06OCT090840-RRF3: 06OCT090840-R
RF4: 06OCT090840-RRF5: 06OCT090840-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	452.000	565.100	622.350	613.500	677.038
beta-BHC	237.400	224.800	234.850	233.125	240.900
delta-BHC	539.600	553.800	605.050	641.025	679.850
gamma-BHC (Lindane)	550.200	559.900	617.650	632.650	661.650
Heptachlor	528.800	523.000	576.150	596.100	619.700
Aldrin	503.600	503.400	542.300	559.025	592.288
Heptachlor epoxide	470.400	457.600	500.050	512.875	540.500
Endosulfan I	436.200	417.200	455.150	466.975	481.262
Dieldrin	485.200	475.750	536.550	545.000	543.950
4,4'-DDE	469.500	468.850	518.775	527.288	525.506
Endrin	433.900	429.500	478.775	483.838	489.456
Endosulfan II	415.900	412.950	449.950	455.400	456.769
4,4'-DDD	381.400	371.300	424.225	421.312	441.106
Endosulfan sulfate	348.600	353.350	388.950	403.438	406.994
4,4'-DDT	380.900	351.350	400.725	420.888	433.088
Methoxychlor	224.120	212.210	217.260	210.758	180.776
Endrin ketone	485.400	478.250	528.325	533.375	532.388
Endrin aldehyde	313.400	320.900	346.750	367.575	375.162
Chlordane	10.520				
(2)	50.080				
(3)	51.140				
(4)	9.240				
(5)	17.560				
Toxaphene	4.340				
(2)	7.426				
(3)	6.390				
(4)	6.538				
(5)	5.000				
Mirex	328.000	315.400	323.625	320.750	327.625
gamma-Chlordane	464.600	452.000	492.250	504.675	529.338
alpha-Chlordane	417.200	437.500	470.700	464.900	496.562
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	309.600	298.000	314.200	313.650	332.125
Decachlorobiphenyl	415.200	415.900	435.900	438.325	445.338

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_1 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1009 1134

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	585.997500	14.470	20.000	
beta-BHC	AVRG	234.215000	2.571	20.000	
delta-BHC	AVRG	603.865000	9.724	20.000	
gamma-BHC (Lindane)	AVRG	604.410000	7.921	20.000	
Heptachlor	AVRG	568.750000	7.401	20.000	
Aldrin	AVRG	540.122500	7.029	20.000	
Heptachlor epoxide	AVRG	496.285000	6.691	20.000	
Endosulfan I	AVRG	451.357500	5.593	20.000	
Dieldrin	AVRG	517.290000	6.559	20.000	
4,4'-DDE	AVRG	501.983750	6.000	20.000	
Endrin	AVRG	463.093750	6.251	20.000	
Endosulfan II	AVRG	438.193750	4.991	20.000	
4,4'-DDD	AVRG	407.868750	7.346	20.000	
Endosulfan sulfate	AVRG	380.266250	7.266	20.000	
4,4'-DDT	AVRG	397.390000	8.182	20.000	
Methoxychlor	AVRG	209.024750	7.958	20.000	
Endrin ketone	AVRG	511.547500	5.340	20.000	
Endrin aldehyde	AVRG	344.757500	7.946	20.000	
Chlordane	AVRG	10.5200000	0.000	20.000	<-
(2)	AVRG	50.0800000	0.000	20.000	<-
(3)	AVRG	51.1400000	0.000	20.000	<-
(4)	AVRG	9.24000000	0.000	20.000	<-
(5)	AVRG	17.5600000	0.000	20.000	<-
Toxaphene	AVRG	4.34000000	0.000	20.000	<-
(2)	AVRG	7.42600000	0.000	20.000	<-
(3)	AVRG	6.39000000	0.000	20.000	<-
(4)	AVRG	6.53800000	0.000	20.000	<-
(5)	AVRG	5.00000000	0.000	20.000	<-
Mirex	AVRG	323.080000	1.620	20.000	
gamma-Chlordane	AVRG	488.572500	6.347	20.000	
alpha-Chlordane	AVRG	457.372500	6.720	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	313.515000	3.916	20.000	
Decachlorobiphenyl	AVRG	430.132500	3.198	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_2 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1009 1134

LAB FILE ID: RF1: 06OCT090840-RRF2: 06OCT090840-RRF3: 06OCT090840-R
RF4: 06OCT090840-RRF5: 06OCT090840-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	307.600	319.200	354.300	371.550	392.650
beta-BHC	141.200	134.000	138.150	130.900	137.475
delta-BHC	288.000	294.800	331.900	345.050	369.175
gamma-BHC (Lindane)	294.600	296.700	328.850	341.450	367.738
Heptachlor	271.400	250.800	271.950	285.800	307.375
Aldrin	264.200	256.100	281.100	288.900	303.400
Heptachlor epoxide	254.400	234.500	256.850	259.850	272.150
Endosulfan I	238.000	220.400	234.550	242.475	253.750
Dieldrin	243.600	242.750	270.825	273.762	275.325
4,4'-DDE	237.400	233.050	263.300	265.300	275.906
Endrin	216.500	206.200	229.550	237.212	243.125
Endosulfan II	221.900	212.900	231.800	236.900	243.569
4,4'-DDD	188.700	183.700	208.975	215.562	219.406
Endosulfan sulfate	191.300	185.500	201.450	216.238	218.119
4,4'-DDT	175.100	151.400	170.075	189.788	195.300
Methoxychlor	94.500	88.590	94.525	95.172	88.769
Endrin ketone	238.000	236.850	253.425	254.500	259.331
Endrin aldehyde	169.100	165.200	178.950	191.338	195.881
Chlordane	5.940				
(2)	3.700				
(3)	29.220				
(4)	22.060				
(5)	25.020				
Toxaphene	2.984				
(2)	2.640				
(3)	3.380				
(4)	2.062				
(5)	2.448				
Mirex	176.100	162.400	164.150	157.575	160.269
gamma-Chlordane	252.200	235.600	256.200	259.775	279.400
alpha-Chlordane	249.400	233.800	248.150	257.100	261.150
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	202.600	195.200	200.900	198.375	211.375
Decachlorobiphenyl	240.200	225.900	224.100	211.975	222.462

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_2 Calibration Date(s): 10/06/09 10/06/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1009 1134

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	349.060000	10.173	20.000	
beta-BHC	AVRG	136.345000	2.916	20.000	
delta-BHC	AVRG	325.785000	10.498	20.000	
gamma-BHC (Lindane)	AVRG	325.867500	9.500	20.000	
Heptachlor	AVRG	277.465000	7.522	20.000	
Aldrin	AVRG	278.740000	6.809	20.000	
Heptachlor epoxide	AVRG	255.550000	5.323	20.000	
Endosulfan I	AVRG	237.835000	5.105	20.000	
Dieldrin	AVRG	261.252500	6.348	20.000	
4,4'-DDE	AVRG	254.991250	7.346	20.000	
Endrin	AVRG	226.517500	6.668	20.000	
Endosulfan II	AVRG	229.413750	5.300	20.000	
4,4'-DDD	AVRG	203.268750	7.930	20.000	
Endosulfan sulfate	AVRG	202.521250	7.190	20.000	
4,4'-DDT	AVRG	176.332500	9.835	20.000	
Methoxychlor	AVRG	92.3112500	3.604	20.000	
Endrin ketone	AVRG	248.421250	4.142	20.000	
Endrin aldehyde	AVRG	180.093750	7.448	20.000	
Chlordane	AVRG	5.94000000	0.000	20.000	<-
(2)	AVRG	3.70000000	0.000	20.000	<-
(3)	AVRG	29.2200000	0.000	20.000	<-
(4)	AVRG	22.0600000	0.000	20.000	<-
(5)	AVRG	25.0200000	0.000	20.000	<-
Toxaphene	AVRG	2.98400000	0.000	20.000	<-
(2)	AVRG	2.64000000	0.000	20.000	<-
(3)	AVRG	3.38000000	0.000	20.000	<-
(4)	AVRG	2.06200000	0.000	20.000	<-
(5)	AVRG	2.44800000	0.000	20.000	<-
Mirex	AVRG	164.098750	4.353	20.000	
gamma-Chlordane	AVRG	256.635000	6.132	20.000	
alpha-Chlordane	AVRG	249.920000	4.201	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	201.690000	3.020	20.000	
Decachlorobiphenyl	AVRG	224.927500	4.494	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_1 Calibration Date: 10/06/09 Time: 1341

Lab File ID: 06OCT090843-R0 Init. Calib. Date(s): 10/06/09 10/06/09

Init. Calib. Times: 1009 1106

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	585.998	531.050		9.4	15.0
beta-BHC	234.215	236.300		0.9	15.0
delta-BHC	603.865	624.600		3.4	15.0
gamma-BHC (Lindane)	604.410	624.250		3.3	15.0
Heptachlor	568.750	595.250		4.6	15.0
Aldrin	540.123	559.050		3.5	15.0
Heptachlor epoxide	496.285	503.500		1.4	15.0
Endosulfan I	451.357	466.250		3.3	15.0
Dieldrin	517.290	551.900		6.7	15.0
4,4'-DDE	501.984	536.700		6.9	15.0
Endrin	463.094	502.550		8.5	15.0
Endosulfan II	438.194	471.600		7.6	15.0
4,4'-DDD	407.869	457.700		12.2	15.0
Endosulfan sulfate	380.266	396.675		4.3	15.0
4,4'-DDT	397.390	438.825		10.4	15.0
Methoxychlor	209.025	227.805		9.0	15.0
Endrin ketone	511.548	523.325		2.3	15.0
Endrin aldehyde	344.757	361.975		5.0	15.0
Mirex	323.080	326.000		0.9	15.0
gamma-Chlordane	488.573	504.000		3.2	15.0
alpha-Chlordane	457.372	470.250		2.8	15.0
Tetrachloro-m-xylene	313.515	328.500		4.8	15.0
Decachlorobiphenyl	430.133	397.400		7.6	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Instrument ID: 0825_2 Calibration Date: 10/06/09 Time: 1341

Lab File ID: 06OCT090843-R0 Init. Calib. Date(s): 10/06/09 10/06/09

Init. Calib. Times: 1009 1106

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	349.060	365.900		4.8	15.0
beta-BHC	136.345	135.850		0.4	15.0
delta-BHC	325.785	333.100		2.2	15.0
gamma-BHC (Lindane)	325.868	345.000		5.9	15.0
Heptachlor	277.465	291.050		4.9	15.0
Aldrin	278.740	282.550		1.4	15.0
Heptachlor epoxide	255.550	259.300		1.5	15.0
Endosulfan I	237.835	238.800		0.4	15.0
Dieldrin	261.252	268.000		2.6	15.0
4,4'-DDE	254.991	273.900		7.4	15.0
Endrin	226.517	239.000		5.5	15.0
Endosulfan II	229.414	232.150		1.2	15.0
4,4'-DDD	203.269	217.525		7.0	15.0
Endosulfan sulfate	202.521	206.550		2.0	15.0
4,4'-DDT	176.333	189.050		7.2	15.0
Methoxychlor	92.311	102.180		10.7	15.0
Endrin ketone	248.421	247.450		0.4	15.0
Endrin aldehyde	180.094	181.000		0.5	15.0
Mirex	164.099	157.425		4.1	15.0
gamma-Chlordane	256.635	260.950		1.7	15.0
alpha-Chlordane	249.920	248.200		0.7	15.0
Tetrachloro-m-xylene	201.690	206.300		2.3	15.0
Decachlorobiphenyl	224.927	201.500		10.4	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 10/06/09 10/06/09

Instrument ID: 0825_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.22 DCB: 7.16

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	10/06/09	0955	2.21	7.16
02	INDA_B-1	INDA_B-1	10/06/09	1009	2.22	7.17
03	INDA_B-2	INDA_B-2	10/06/09	1023	2.22	7.17
04	INDA_B-3	INDA_B-3	10/06/09	1037	2.22	7.16
05	INDA_B-4	INDA_B-4	10/06/09	1051	2.22	7.16
06	INDA_B-5	INDA_B-5	10/06/09	1106	2.22	7.16
07	TOX 500PPB	TOX 500PPB	10/06/09	1120	2.22	7.17
08	T-CHLOR 50	T-CHLOR 50	10/06/09	1134	2.22	7.17
09	INDABICV	INDABICV	10/06/09	1148	2.22	7.17
10	MBLK091909B	MBLK091909B	10/06/09	1202	2.22	7.17
11	B091909LCS	B091909LCS	10/06/09	1216	2.21	7.15
12	TS10042	805771	10/06/09	1230	2.21	7.15
13	TS10043	805772	10/06/09	1244	2.22	7.17
14	TS10043MS	805772MS	10/06/09	1258	2.22	7.17
15	TS10043MSD	805772MD	10/06/09	1312	2.21	7.16
16	BCS	BCS	10/06/09	1326	2.21	7.15
17	INDA_B-3	INDA_B-3	10/06/09	1341	2.22	7.17
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 10/06/09 10/06/09

Instrument ID: 0825_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.52 DCB: 8.24

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	10/06/09	0955	2.52	8.25
02	INDA_B-1	INDA_B-1	10/06/09	1009	2.52	8.25
03	INDA_B-2	INDA_B-2	10/06/09	1023	2.52	8.25
04	INDA_B-3	INDA_B-3	10/06/09	1037	2.52	8.24
05	INDA_B-4	INDA_B-4	10/06/09	1051	2.53	8.25
06	INDA_B-5	INDA_B-5	10/06/09	1106	2.52	8.24
07	TOX 500PPB	TOX 500PPB	10/06/09	1120	2.52	8.24
08	T-CHLOR 50	T-CHLOR 50	10/06/09	1134	2.52	8.25
09	INDABICV	INDABICV	10/06/09	1148	2.52	8.25
10	MBLK091909B	MBLK091909B	10/06/09	1202	2.52	8.25
11	B091909LCS	B091909LCS	10/06/09	1216	2.51	8.23
12	TS10042	805771	10/06/09	1230	2.51	8.23
13	TS10043	805772	10/06/09	1244	2.52	8.24
14	TS10043MS	805772MS	10/06/09	1258	2.52	8.24
15	TS10043MSD	805772MD	10/06/09	1312	2.51	8.23
16	BCS	BCS	10/06/09	1326	2.51	8.23
17	INDA_B-3	INDA_B-3	10/06/09	1341	2.52	8.24
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	2.65	2.59	2.69	3.4	
	2	3.02	2.97	3.07	4.4	26
beta-BHC	1	2.96	2.90	3.00	6.2	
	2	3.38	3.34	3.44	5.7	8.4
delta-BHC	1	3.09	3.04	3.14	2.0	
	2	3.64	3.59	3.69	2.0	0.0
gamma-BHC (Lindane)	1	2.89	2.84	2.94	4.8	
	2	3.32	3.27	3.37	5.1	6.1
Heptachlor	1	3.26	3.20	3.30	5.3	
	2	3.71	3.66	3.76	5.8	9.0
Aldrin	1	3.50	3.44	3.54	5.3	
	2	4.01	3.96	4.06	5.5	3.7
Heptachlor epoxide	1	4.01	3.95	4.05	5.6	
	2	4.53	4.48	4.58	5.7	1.8
Endosulfan I	1	4.35	4.30	4.40	1.8	
	2	4.91	4.86	4.96	1.7	5.7

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	4.57	4.51	4.61	11	
	2	5.18	5.13	5.23	11	0.0
4,4'-DDE	1	4.30	4.25	4.35	12	
	2	5.01	4.96	5.06	13	8.0
Endrin	1	4.78	4.72	4.82	11	
	2	5.48	5.43	5.53	12	8.7
Endosulfan II	1	4.99	4.93	5.03	4.6	
	2	5.69	5.64	5.74	5.0	8.3
4,4'-DDD	1	4.85	4.79	4.89	11	
	2	5.59	5.54	5.64	12	8.7
Endosulfan sulfate	1	5.82	5.77	5.87	9.0	
	2	6.33	6.28	6.38	10	11
4,4'-DDT	1	5.11	5.06	5.16	13	
	2	5.91	5.86	5.96	14	7.4
Methoxychlor	1	5.60	5.54	5.64	59	
	2	6.63	6.59	6.69	68	14

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.10	6.05	6.15	10	
	2	6.89	6.84	6.94	11	9.5
Endrin aldehyde	1	5.39	5.34	5.44	7.1	
	2	6.04	5.99	6.09	7.7	8.1
gamma-Chlordane	1	4.11	4.06	4.16	6.0	
	2	4.71	4.66	4.76	5.9	1.7
alpha-Chlordane	1	4.23	4.17	4.27	5.3	
	2	4.85	4.80	4.90	5.2	1.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MD Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	2.63	2.59	2.69	4.1	
	2	3.01	2.97	3.07	4.6	11
beta-BHC	1	2.95	2.90	3.00	6.8	
	2	3.37	3.34	3.44	6.4	6.1
delta-BHC	1	3.08	3.04	3.14	2.3	
	2	3.63	3.59	3.69	2.3	0.0
gamma-BHC (Lindane)	1	2.88	2.84	2.94	5.1	
	2	3.31	3.27	3.37	5.4	5.7
Heptachlor	1	3.24	3.20	3.30	5.7	
	2	3.70	3.66	3.76	6.3	10
Aldrin	1	3.48	3.44	3.54	5.8	
	2	3.99	3.96	4.06	6.0	3.4
Heptachlor epoxide	1	3.99	3.95	4.05	6.2	
	2	4.52	4.48	4.58	6.4	3.2
Endosulfan I	1	4.34	4.30	4.40	2.2	
	2	4.89	4.86	4.96	2.2	0.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MD Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	4.55	4.51	4.61	12	
	2	5.16	5.13	5.23	12	0.0
4,4'-DDE	1	4.29	4.25	4.35	13	
	2	5.00	4.96	5.06	14	7.4
Endrin	1	4.76	4.72	4.82	12	
	2	5.47	5.43	5.53	13	8.0
Endosulfan II	1	4.97	4.93	5.03	5.3	
	2	5.68	5.64	5.74	5.9	11
4,4'-DDD	1	4.83	4.79	4.89	12	
	2	5.57	5.54	5.64	13	8.0
Endosulfan sulfate	1	5.81	5.77	5.87	9.4	
	2	6.31	6.28	6.38	11	16
4,4'-DDT	1	5.10	5.06	5.16	13	
	2	5.90	5.86	5.96	15	14
Methoxychlor	1	5.58	5.54	5.64	61	
	2	6.62	6.59	6.69	70	14

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10043MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: 805772MD Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.09	6.05	6.15	10	
	2	6.88	6.84	6.94	11	9.5
Endrin aldehyde	1	5.38	5.34	5.44	7.8	
	2	6.02	5.99	6.09	8.6	9.8
gamma-Chlordane	1	4.10	4.06	4.16	6.6	
	2	4.70	4.66	4.76	6.5	1.5
alpha-Chlordane	1	4.22	4.17	4.27	5.7	
	2	4.84	4.80	4.90	5.8	1.7
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: B091909LCS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	2.64	2.59	2.69	5.2	
	2	3.01	2.97	3.07	5.9	13
beta-BHC	1	2.94	2.90	3.00	5.9	
	2	3.38	3.34	3.44	5.9	0.0
delta-BHC	1	3.08	3.04	3.14	5.7	
	2	3.64	3.59	3.69	5.8	1.7
gamma-BHC (Lindane)	1	2.88	2.84	2.94	5.8	
	2	3.31	3.27	3.37	6.1	5.0
Heptachlor	1	3.25	3.20	3.30	5.8	
	2	3.70	3.66	3.76	5.9	1.7
Aldrin	1	3.49	3.44	3.54	5.6	
	2	4.00	3.96	4.06	5.6	0.0
Heptachlor epoxide	1	3.99	3.95	4.05	6.1	
	2	4.52	4.48	4.58	6.1	0.0
Endosulfan I	1	4.34	4.30	4.40	5.2	
	2	4.90	4.86	4.96	5.2	0.0

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: B091909LCS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	4.55	4.51	4.61	12	
	2	5.17	5.13	5.23	12	0.0
4,4'-DDE	1	4.29	4.25	4.35	12	
	2	5.00	4.96	5.06	12	0.0
Endrin	1	4.76	4.72	4.82	12	
	2	5.47	5.43	5.53	12	0.0
Endosulfan II	1	4.97	4.93	5.03	11	
	2	5.68	5.64	5.74	11	0.0
4,4'-DDD	1	4.83	4.79	4.89	12	
	2	5.58	5.54	5.64	12	0.0
Endosulfan sulfate	1	5.81	5.77	5.87	9.9	
	2	6.32	6.28	6.38	11	11
4,4'-DDT	1	5.10	5.06	5.16	16	
	2	5.90	5.86	5.96	16	0.0
Methoxychlor	1	5.59	5.54	5.64	64	
	2	6.63	6.59	6.69	67	4.6

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

B091909LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL478

Lab Sample ID: B091909LCS Date(s) Analyzed: 10/06/09 10/06/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.09	6.05	6.15	11	
	2	6.88	6.84	6.94	12	8.7
Endrin aldehyde	1	5.38	5.34	5.44	8.3	
	2	6.03	5.99	6.09	8.3	0.0
gamma-Chlordane	1	4.10	4.06	4.16	6.1	
	2	4.70	4.66	4.76	6.0	1.7
alpha-Chlordane	1	4.22	4.17	4.27	5.6	
	2	4.84	4.80	4.90	5.4	3.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10042

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: 805771

Phase Weight: 9.37 (g) Date Received: 09/09/09

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: 96 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	56	U
11104-28-2	Aroclor-1221	56	U
11141-16-5	Aroclor-1232	56	U
53469-21-9	Aroclor-1242	56	U
12672-29-6	Aroclor-1248	56	U
11097-69-1	Aroclor-1254	56	U
11096-82-5	Aroclor-1260	56	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10043

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: 805772

Phase Weight: 10.18 (g) Date Received: 09/09/09

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: 94 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	52	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	52	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK914A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: PBLK914A

Phase Weight: 10.74 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	47	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	47	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS914A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL478

Phase Type: SOIL Lab Sample ID: PLCS914A

Phase Weight: 10.06 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 09/14/09

Dilution Factor: 1.0 Date Analyzed: 10/06/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	490	
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	490	
11096-82-5	Aroclor-1260	50	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL478

EPA SAMPLE NO.	TCX 1 % REC	#	TCX 2 % REC	#	DCB 1 % REC	#	DCB 2 % REC	#
PBLK914A	95		96		97		96	
PLCS914A	105		104		95		99	
TS10042	83		85		84		86	
TS10043	12	*	13	*	20	*	19	*

Project Specific
QC Limits
(60 - 150)
(60 - 150)

TCX = Tetrachloro-meta-Xylene
DCB = Decachlorobiphenyl

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL478

EPA SAMPLE NO.: PLCS914A

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	497	495	100	39-150
Aroclor 1254	497	488	98	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK914A	SDG:	KAL478
Matrix:	SOIL	Level:	LOW
Date Extracted:	09/14/09	Date Analyzed(2):	10/06/09
Date Analyzed(1):	10/06/09	Time Analyzed(2):	03:48
Time Analyzed(1):	03:48	GC ID(2):	HP2624
GC ID(1):	HP2624	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS914A	PLCS914A	10/06/09	10/06/09
805771	TS10042	10/06/09	10/06/09
805772	TS10043	10/06/09	10/06/09

2624_100509F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	5-Oct-09	13:34 to
GC:	HP-2624		6-Oct-09	3:00
Col. 1:	RTX-5			
Col. 2:	RTX-35	File:	49,50 05OCT091218	

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		49.3	100	201	398	801	
	Cal Fact	0.986	1.000	1.005	0.995	1.001	0.7
	% Diff	1	0	-1	1	0	
Aroclor 1221		53.2	104	206	406	783	
	Cal Fact	1.064	1.040	1.030	1.015	0.979	3.1
	% Diff	-6	-4	-3	-2	2	
Aroclor 1232		49.3	98.4	198	406	798	
	Cal Fact	0.986	0.984	0.990	1.015	0.998	1.3
	% Diff	1	2	1	-2	0	
Aroclor 1242		48.5	97.8	201	398	805	
	Cal Fact	0.970	0.978	1.005	0.995	1.006	1.6
	% Diff	3	2	-1	1	-1	
Aroclor 1248		48.7	98.4	202	406	795	
	Cal Fact	0.974	0.984	1.010	1.015	0.994	1.7
	% Diff	3	2	-1	-2	1	
Aroclor 1254		48.5	99.7	202	400	800	
	Cal Fact	0.970	0.997	1.010	1.000	1.000	1.5
	% Diff	3	0	-1	0	0	
Aroclor 1260		50.0	102	200	403	795	
	Cal Fact	1.000	1.020	1.000	1.008	0.994	1.0
	% Diff	0	-2	0	-1	1	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL478F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP2624
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 49,50 05OCT091218
date/time: 10/5/2009 13:34 to 10/6/2009 3:00

Check Standard File: 49,50 05OCT091506,12
Date: 10/6/2009
Time: 8:09

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	221	10.5

Check Standard File: 49,50 05OCT091506,13
Date: 10/6/2009
Time: 8:32

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	219	9.5

Check Standard File: 49,50 05OCT091506,25
Date: 10/6/2009
Time: 13:17

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	230	15.0

Check Standard File: 49,50 05OCT091506,26
Date: 10/6/2009
Time: 13:41

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1254	200	229	14.5

Check Standard File: 49,50 05OCT091506,32
Date: 10/6/2009
Time: 16:03

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	229	14.5

Check Standard File: 49,50 05OCT091506,33
Date: 10/6/2009
Time: 16:27

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	227	13.5

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB
AR1016 50ppb	AR1016 50	5-Oct-2009 13:34	4.11	14.96
AR1016 100ppb	AR1016 100	5-Oct-2009 13:57	4.12	14.98
AR1016 200ppb	AR1016 200	5-Oct-2009 14:21	4.12	14.97
AR1016 400ppb	AR1016 400	5-Oct-2009 14:45	4.11	14.96
AR1016 800ppb	AR1016 800	5-Oct-2009 15:08	4.11	14.96
AR1221 50ppb	AR1221 50	5-Oct-2009 15:32	4.11	14.97
AR1221 100ppb	AR1221 100	5-Oct-2009 15:56	4.11	14.96
AR1221 200ppb	AR1221 200	5-Oct-2009 16:20	4.11	14.96
AR1221 400ppb	AR1221 400	5-Oct-2009 16:43	4.12	14.97
AR1221 800ppb	AR1221 800	5-Oct-2009 17:07	4.12	14.97
AR1232 50ppb	AR1232 50	5-Oct-2009 17:31	4.11	14.97
AR1232 100ppb	AR1232 100	5-Oct-2009 17:55	4.12	14.97
AR1232 200ppb	AR1232 200	5-Oct-2009 18:18	4.11	14.96
AR1232 400ppb	AR1232 400	5-Oct-2009 18:42	4.12	14.97
AR1232 800ppb	AR1232 800	5-Oct-2009 19:06	4.12	14.97
AR1242 50ppb	AR1242 50	5-Oct-2009 19:30	4.12	14.97
AR1242 100ppb	AR1242 100	5-Oct-2009 19:53	4.11	14.97
AR1242 200ppb	AR1242 200	5-Oct-2009 20:17	4.11	14.96
AR1242 400ppb	AR1242 400	5-Oct-2009 20:41	4.12	14.97
AR1242 800ppb	AR1242 800	5-Oct-2009 21:04	4.12	14.97
AR1248 50ppb	AR1248 50	5-Oct-2009 21:28	4.11	14.96
AR1248 100ppb	AR1248 100	5-Oct-2009 21:52	4.11	14.96
AR1248 200ppb	AR1248 200	5-Oct-2009 22:16	4.12	14.97
AR1248 400ppb	AR1248 400	5-Oct-2009 22:39	4.12	14.97
AR1248 800ppb	AR1248 800	5-Oct-2009 23:03	4.12	14.97
AR1254 50ppb	AR1254 50	5-Oct-2009 23:27	4.11	14.96
AR1254 100ppb	AR1254 100	5-Oct-2009 23:51	4.11	14.96
AR1254 200ppb	AR1254 200	6-Oct-2009 00:14	4.12	14.97
AR1254 400ppb	AR1254 400	6-Oct-2009 00:38	4.12	14.97
AR1254 800ppb	AR1254 800	6-Oct-2009 01:02	4.11	14.96
AR1260 50ppb	AR1260 50	6-Oct-2009 01:25	4.11	14.96
AR1260 100ppb	AR1260 100	6-Oct-2009 01:49	4.11	14.96
AR1260 200ppb	AR1260 200	6-Oct-2009 02:13	4.12	14.97
AR1260 400ppb	AR1260 400	6-Oct-2009 02:37	4.12	14.97
AR1260 800ppb	AR1260 800	6-Oct-2009 03:00	4.11	14.96
PBLK914A	PBLK914A	6-Oct-2009 03:48	4.12	14.97
PLCS914A	PLCS914A	6-Oct-2009 04:11	4.10	14.96
AR1248 200	AR1248 200	6-Oct-2009 08:09	4.10	14.96
AR1242 200	AR1242 200	6-Oct-2009 08:32	4.12	14.97
AR1248 200	AR1248 200	6-Oct-2009 13:17	4.11	14.96
AR1254 200	AR1254 200	6-Oct-2009 13:41	4.11	14.96
805771	TS10042	6-Oct-2009 14:52	4.11	14.96
805772	TS10043	6-Oct-2009 15:16	4.13	14.97

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.11 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.97 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	6-Oct-2009 16:03	4.11	14.96	
AR1260 200	AR1260 200	6-Oct-2009 16:27	4.11	14.96	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.11 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.97 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB
AR1016 50ppb	AR1016 50	5-Oct-2009 13:34	4.62	16.15
AR1016 100ppb	AR1016 100	5-Oct-2009 13:57	4.62	16.15
AR1016 200ppb	AR1016 200	5-Oct-2009 14:21	4.61	16.14
AR1016 400ppb	AR1016 400	5-Oct-2009 14:45	4.62	16.15
AR1016 800ppb	AR1016 800	5-Oct-2009 15:08	4.60	16.14
AR1221 50ppb	AR1221 50	5-Oct-2009 15:32	4.62	16.15
AR1221 100ppb	AR1221 100	5-Oct-2009 15:56	4.61	16.14
AR1221 200ppb	AR1221 200	5-Oct-2009 16:20	4.62	16.16
AR1221 400ppb	AR1221 400	5-Oct-2009 16:43	4.62	16.16
AR1221 800ppb	AR1221 800	5-Oct-2009 17:07	4.62	16.15
AR1232 50ppb	AR1232 50	5-Oct-2009 17:31	4.61	16.15
AR1232 100ppb	AR1232 100	5-Oct-2009 17:55	4.62	16.15
AR1232 200ppb	AR1232 200	5-Oct-2009 18:18	4.60	16.14
AR1232 400ppb	AR1232 400	5-Oct-2009 18:42	4.61	16.15
AR1232 800ppb	AR1232 800	5-Oct-2009 19:06	4.61	16.14
AR1242 50ppb	AR1242 50	5-Oct-2009 19:30	4.62	16.15
AR1242 100ppb	AR1242 100	5-Oct-2009 19:53	4.61	16.14
AR1242 200ppb	AR1242 200	5-Oct-2009 20:17	4.62	16.15
AR1242 400ppb	AR1242 400	5-Oct-2009 20:41	4.62	16.16
AR1242 800ppb	AR1242 800	5-Oct-2009 21:04	4.62	16.15
AR1248 50ppb	AR1248 50	5-Oct-2009 21:28	4.60	16.14
AR1248 100ppb	AR1248 100	5-Oct-2009 21:52	4.61	16.14
AR1248 200ppb	AR1248 200	5-Oct-2009 22:16	4.62	16.15
AR1248 400ppb	AR1248 400	5-Oct-2009 22:39	4.62	16.16
AR1248 800ppb	AR1248 800	5-Oct-2009 23:03	4.61	16.14
AR1254 50ppb	AR1254 50	5-Oct-2009 23:27	4.61	16.14
AR1254 100ppb	AR1254 100	5-Oct-2009 23:51	4.62	16.15
AR1254 200ppb	AR1254 200	6-Oct-2009 00:14	4.62	16.14
AR1254 400ppb	AR1254 400	6-Oct-2009 00:38	4.62	16.14
AR1254 800ppb	AR1254 800	6-Oct-2009 01:02	4.61	16.14
AR1260 50ppb	AR1260 50	6-Oct-2009 01:25	4.60	16.13
AR1260 100ppb	AR1260 100	6-Oct-2009 01:49	4.60	16.13
AR1260 200ppb	AR1260 200	6-Oct-2009 02:13	4.61	16.14
AR1260 400ppb	AR1260 400	6-Oct-2009 02:37	4.61	16.14
AR1260 800ppb	AR1260 800	6-Oct-2009 03:00	4.61	16.14
PBLK914A	PBLK914A	6-Oct-2009 03:48	4.61	16.14
PLCS914A	PLCS914A	6-Oct-2009 04:11	4.61	16.14
AR1248 200	AR1248 200	6-Oct-2009 08:09	4.60	16.13
AR1242 200	AR1242 200	6-Oct-2009 08:32	4.61	16.14
AR1248 200	AR1248 200	6-Oct-2009 13:17	4.61	16.13
AR1254 200	AR1254 200	6-Oct-2009 13:41	4.61	16.14
805771	TS10042	6-Oct-2009 14:52	4.62	16.14
805772	TS10043	6-Oct-2009 15:16	4.62	16.14

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.61 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 16.15 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL478
Initial Calib. Date: 05-OCT-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	6-Oct-2009 16:03	4.61	16.14	
AR1260 200	AR1260 200	6-Oct-2009 16:27	4.62	16.15	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.61 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 16.15 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093507***
Date Reported :	***09/22/09***
Date Activated :	***09/09/09***
Date Due :	***09/23/09***
Date Validated :	***09/21/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093507. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please contact us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

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The information contained in this electronic mail is intended only for the use of the above-named recipient. If the reader of this message is not the intended recipient (or an agent responsible for delivering it to the intended recipient) then you have received this document in error and any review, distribution or copying of this message is strictly prohibited. If you have received this communication in error please accept our apologies, destroy all pages and tell us immediately at (269) 381-9666.

LABORATORY DETAIL REPORT

KAR Project No. : ***093507***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/22/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10042"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***09/08/09***
Sample Time : ***1430***

Date Received : ***09/09/09***
Sample Type : ***solid***
KAR Sample No. : ***093507-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5030	09/14/09	JAR	
TPH by GC-gasoline range	<10	mg/kg	EPA 8260	09/14/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	09/16/09	KTL	
Prep, SV BN	Completed		EPA 3545	09/11/09	GMB	
TPH by GC-diesel range	<10	mg/kg	EPA 8270	09/16/09	KTL	
12DCA-D4 (surr spk)	115	% spike recovery	EPA 8260	09/14/09	JAR	
BFB (surr spk)	104	% spike recovery	EPA 8260	09/14/09	JAR	
Toluene-D8 (surr spk)	106	% spike recovery	EPA 8260	09/14/09	JAR	
2FB (surr spk)	79	% spike recovery	EPA 8270	09/16/09	KTL	
Terphenyl D14 (surr spk)	98	% spike recovery	EPA 8270	09/16/09	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : ***093507***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/22/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***"TS10043"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***09/08/09***

Sample Time : ***1435***

Date Received : ***09/09/09***

Sample Type : ***soil***

KAR Sample No. : ***093507-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	92.56	% by weight	SM 2540 B mod.	09/09/09	GMB	
Prep, VOA	Completed		EPA 5035	09/14/09	JAR	Sample was field-preserved at time of collection.
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	09/14/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	09/16/09	KTL	
Prep, SV BN	Completed		EPA 3545	09/11/09	GMB	
TPH by GC-diesel range	50	mg/kg dry sample	EPA 8270	09/16/09	KTL	
12DCA-D4 (surr spk)	109	% spike recovery	EPA 8260	09/14/09	JAR	
BFB (surr spk)	102	% spike recovery	EPA 8260	09/14/09	JAR	
Toluene-D8 (surr spk)	103	% spike recovery	EPA 8260	09/14/09	JAR	
2FB (surr spk)	90	% spike recovery	EPA 8270	09/16/09	KTL	
Terphenyl D14 (surr spk)	63	% spike recovery	EPA 8270	09/16/09	KTL	

LABORATORY DETAIL REPORT

KAR Project No. : ***093507***

Client: ***ARCADIS of New York, Inc.***

Date Reported : ***09/22/09***

Project Description : ***Analysis of two samples from Plainwell No.2 Dam TCRA (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank***

Sampled By :
Sample Date :
Sample Time :

Date Received : ***09/09/09***
Sample Type : ***LMB-soil***
KAR Sample No. : ***093507-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	09/14/09	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	09/14/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	09/16/09	KTL	
Prep, SV BN	Completed		EPA 3545	09/11/09	GMB	
TPH by GC-diesel range	<10	mg/kg dry sample	EPA 8270	09/16/09	KTL	
12DCA-D4 (surr spk)	108	% spike recovery	EPA 8260	09/14/09	JAR	
BFB (surr spk)	100	% spike recovery	EPA 8260	09/14/09	JAR	
Toluene-D8 (surr spk)	112	% spike recovery	EPA 8260	09/14/09	JAR	
2FB (surr spk)	80	% spike recovery	EPA 8270	09/16/09	KTL	
Terphenyl D14 (surr spk)	94	% spike recovery	EPA 8270	09/16/09	KTL	

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093544***
Date Reported :	***09/22/09***
Date Activated :	***09/10/09***
Date Due :	***09/24/09***
Date Validated :	***09/22/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 093544. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10044"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1020*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	81.73	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	82	% spike recovery	EPA 8082	09/16/09	GMB	

Sample ID : *"TS10045"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1023*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	73.56	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	76	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	09/16/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10046"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1026*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.57	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	77	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	09/16/09	GMB	

Sample ID : *"TS10047"*

Sampled By : *SH of ARCADIS of New York, Inc.*

Sample Date : *09/10/09*

Sample Time : *1028*

Date Received : *09/10/09*

Sample Type : *soil*

KAR Sample No. : *093544-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	90.02	% by weight	SM 2540 B mod.	09/11/09	GMB	
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	400	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	400	ug/kg dry sample	EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	83	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	80	% spike recovery	EPA 8082	09/16/09	GMB	

LABORATORY DETAIL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Desc. : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Sample Date :

Sample Time :

Date Received : *09/10/09*

Sample Type : *LMB*

KAR Sample No. : *093544-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	09/11/09	GMB	
PCB	See below		EPA 8082	09/16/09	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	09/16/09	GMB	
PCB Aroclors, total	NA		EPA 8082	09/16/09	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	09/16/09	GMB	
TCMX (surr spk)	75	% spike recovery	EPA 8082	09/16/09	GMB	

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30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***093544***
Date Reported :	***09/22/09***
Date Activated :	***09/10/09***
Date Due :	***09/24/09***
Date Validated :	***09/22/09***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 093544. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10044"*

Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*

Date Received : *09/10/09* **Time Sampled :** *1020* **Sample No. :** *093544-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	81.73 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		69.9 %	65.2 %	7.0 %				29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		75.4 %	66.2 %	13.0 %				29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	82 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*
Date Reported : *09/22/09*

Client: *ARCADIS of New York, Inc.*
Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10045"*
Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*
Date Received : *09/10/09* **Time Sampled :** *1023* **Sample No. :** *093544-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	76 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	73.56 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Date Reported : *09/22/09*

Client: *ARCADIS of New York, Inc.*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10046"*

Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*

Date Received : *09/10/09* **Time Sampled :** *1026* **Sample No. :** *093544-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	77 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	80.57 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	330 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	330 ug/kg dry sample								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10047"*

Sampled By : *SH of ARCADIS of New York, Inc.* **Date Sampled :** *09/10/09* **Sample Type :** *soil*

Date Received : *09/10/09* **Time Sampled :** *1028* **Sample No. :** *093544-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	83 % spike recovery								25-122	NA	EPA 8082	09/16/09	GMB		
Dry weight solids	90.02 % by weight									5	SM 2540 B mod.	09/11/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	400 ug/kg dry sample									42	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	400 ug/kg dry sample								27-155	15	EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	80 % spike recovery								22-95	NA	EPA 8082	09/16/09	GMB		

QUALITY CONTROL REPORT

KAR Project No. : *093544*

Client: *ARCADIS of New York, Inc.*

Date Reported : *09/22/09*

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By : **Date Sampled :** **Sample Type :** *LMB*

Date Received : *09/10/09* **Time Sampled :** **Sample No. :** *093544-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-121	NA	EPA 8082	09/16/09	GMB		
PCB	See below										EPA 8082	09/16/09	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	09/16/09	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								12-113	5	EPA 8082	09/16/09	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-74	6	EPA 8082	09/16/09	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									10	EPA 8082	09/16/09	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	09/16/09	GMB		
PCB Aroclors, total	NA								16-128		EPA 8082	09/16/09	GMB		
Prep, ECD	Completed										EPA 3545	09/11/09	GMB		
TCMX (surr spk)	75 % spike recovery								23-100	NA	EPA 8082	09/16/09	GMB		

BATCH QC REPORT

Printed : 11:07:33 AM, 09/22/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	090911DW1	09/11/09	96.24							96.7	95.78	1.0 %		5	093525-16
PCB Aroclor 1016	090911SO8	09/16/09	0	917.6557	641.579	69.9 %	597.9486	65.2 %	7.0 %				29-135	25	093544-01
PCB Aroclor 1260	090911SO8	09/16/09	0	917.6557	691.9092	75.4 %	607.2222	66.2 %	13.0 %				29-135	25	093544-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS
Infrastructure, environment, facilities

ID#: 13991

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

Page 1 of 1

Lab Work Order #

Send Results to:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W. Monroe	Fax: —
City: Chicago State: IL Zip: 60603	E-mail Address: ERIC.HRITSUK@ARCADIS-US.COM
Project Name/Location (City, State): PLAINWELL DAM No. 2	Project #: B0064536.0001
Sampler's Printed Name: SCOTT HARCUS	Sampler's Signature: Scott Harcus

Preservative	E											
Filtered (✓)												
# of Containers	1											
Container Information	7											

PARAMETER ANALYSIS & METHOD

Keys

Preservation Key:
A. H_2SO_4
B. HCL
C. HNO_3
D. NaOH
E. None
F. Other: _____
G. Other: _____
H. Other: _____

Container Information Key:
1. 40 ml Vial
2. 1 L Amber
3. 250 ml Plastic
4. 500 ml Plastic
5. Encore
6. 2 oz. Glass
7. 4 oz. Glass
8. 8 oz. Glass
9. Other: _____
10. Other: _____

Matrix Key:
SO - Soil, SE - Sediment, NL - NAPL/Oil
W - Water, SL - Sludge, SW - Sample Wipe
T - Tissue, A - Air, Other: _____

Sample ID	Collection Date	Collection Time	Type (✓) Comp	Type (✓) Grab	Matrix	PCB							REMARKS
TS10044	9/10/09	1020		✓	SO	X							
TS10045	↓	1023		✓	↓	X							
TS10046	↓	1026		✓	↓	X							
TS10047	↓	1028		✓	↓	X							

Special Instructions/Comments:

☐ **Special QA/QC Instructions(✓):**

Laboratory Information and Receipt		Relinquished By	Received By	Relinquished By	Laboratory Received By
Lab Name: KAR	Cooler Custody Seal (✓)	Printed Name: Scott Harcus	Printed Name:	Printed Name:	Printed Name: Hope Stanley
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: Scott Harcus	Signature:	Signature:	Signature: Hope Stanley
Specify Turnaround Requirements: STANDARD	Sample Receipt:	Firm: ARCADIS	Firm/Courier:	Firm/Courier:	Firm: KAR Labs
Shipping Tracking #: DROPOFF	Condition/Cooler Temp: _____	Date/Time: 9/10/09 1700	Date/Time:	Date/Time:	Date/Time: 9/10/09 @ 5:10p

20730826 CofC AR Form 01.12.2007

Distribution: WHITE – Laboratory returns with results YELLOW – Lab copy PINK – Retained by BBL

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL482

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

December 4, 2009

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL482

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on October 23rd, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 10/23/09 ETR No: 134333		
811393	TS10048	10/22/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. Due to a capacity issue at the Burlington laboratory, the volatile organic analysis of sample TS10048 was accomplished by the TestAmerica laboratory in Chicago IL. Those results are filed at the end of this case submittal in a section titled subcontract data.

The semivolatile organic analysis of method blank MBLK102709B exhibited the presence of target compound Bis (2-Ethylhexyl) phthalate at a concentration above reporting limit. This compound was detected in associated sample TS10048 at a concentration below reporting limit, and has been reported with a B qualifier.

The pesticide analysis of sample TS10048 was accomplished at a twenty-fold dilution to provide for quantification of all target compounds from concentrations within calibration range. The laboratory noticed the presence of these pesticide peaks in the PCB analysis of the same sample, which was from a separate extraction. The same compound (DDT series) were detected as Tentatively Identified Compounds in the semivolatile organic analysis of the same sample, which was also from a separate extraction. To be certain the presence of these compounds were truly present in sample TS10048, the sample was re-extracted for pesticides. The screen analysis of the re-extract confirmed their presence, and is filed in the organic sample preparation section of this case submittal.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Due to the close similarity between Aroclors 1016 and 1242, the automated PCB quantification algorithm occasionally identifies both Aroclors, or just Aroclor 1016. Based on the historical approach to this situation for the project, any software reports identified as Aroclor 1016 are actually reported as Aroclor 1242. Although the software report still identifies the Aroclor 1016, the final reporting form and EDD will only reflect the cumulative result for Aroclor 1242.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937 x 24
Address: 30 W Monroe St. Suite 1710	Fax: 312-332-4434
City State Zip: Chicago, IL 60603	E-mail Address:
Project Name/Location (City, State): Plainwell Dam No. 2 TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Michael F. Kohagen	Sampler's Signature:

Preservative	E		E											
Filtered (✓)														
# of Containers	5		4											
Container Information	2		9											

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB		pH	Organic Content	TCL VOCs	TCL SVOCs	TCL Pesticides/ PCBs	RCRA Metals	REMARKS
TS30145	10/22/09	1015		X	SW		X								
TS30146	10/22/09	1030		X	SW		X								
TS30147	10/22/09	1115		X	SW		X								
7510048	10/22/09	0930	X		SO				X	X	X	X	X	X	

COPY - ORIGINAL ON FILE
SDG # TCRA123 ETR # 134329

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America Labs	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Chris Kolb
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact Not present	Signature:	Signature:	Signature:
Specify Turnaround Requirements: STANDARD TAT	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA Burlington
Fed-Ex Tracking #: 0	Condition/Cooler Temp: 4	Date/Time: 10-22-09/ 1700	Date/Time:	Date/Time: 10/23/09 1037

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10048

Lab Name: TestAmerica Burlington | Contract: 64536.01.01 | SDG No.: KAL482

Lab Code: TALVT | Case No.: KZOO | Lab Sample ID: 811393

Matrix: SOIL | Client: BBLKAL | Date Received: 10/23/09

% Solids: 70.7

Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
9045	Soil pH (std. units)	10/24/09	BLKPH102409A	pH Units	1	0.0	5.8	
IN623	Solids, Percent	10/24/09		%	1	0.10	70.7	

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Method Blank Report Summary

Lab Name: TestAmerica Burlington | Contract: 64536.01.01 | SDG No.: KAL482

Lab Code: TALVT | Case No.: KZOO

Matrix: SOIL | Client: BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKPH102409A	9045	Soil pH (std. units)	5.7	pH Units		1	0.0	10/24/09	BLKPH102409A

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: TestAmerica Burlington **Contract:** 64536.01.01 **SDG No.:** KAL482

Lab Code: TALVT **Case No.:** KZOO

Matrix: SOIL **Client:** BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Rec.	Control Limit
LCSPH102409A	9045	Soil pH (std. units)	10/24/09	BLKPH102409A	pH Units	6.0	6.0	100	99-101

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Geotechnical

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

TS10048

Lab Name: TestAmerica Burlington

Contract: 64536.01.01

SDG No.: KAL482

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 811393

Matrix: SOIL

Client: BBLKAL

Date Received: 10/23/09

% Solids: 70.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
D2974	Organic Soils	10/30/09		%	1	0.0	22.1	

Printed on: 11/09/09 10:09 PM

ASTM Method D2974: Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils
Calculations

Client Code: BBLKAL
ETR: 134333
SDG: KAL482

Start Date: 10/30/09
Start Time: 2200
End Date: 11/07/09
Analyst: MAP

Laboratory Number	Weight of Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Pan+ Ashed Sample (g)	Wet Sample (g)	Dry Sample (g)	Organic Matter (g)	Moisture Content (%)	Organic Matter (%)	Ash Content (%)
811393	4.14	115.34	82.54	65.19	111.20	78.40	17.35	41.8	22.1	77.9

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

SOW No.: _____

EPA Sample No.	Lab Sample ID.
TS10048	811393
TS10048D	811393DP
TS10048S	811393MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10048

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Lab Sample ID: 811393

Level (low/med): LOW Date Received: 10/23/09

% Solids: 70.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.028	U		P
7440-38-2	Arsenic	17.3		NE	P
7440-39-3	Barium	96.8		E	P
7440-43-9	Cadmium	0.39	B		P
7440-47-3	Chromium	9.1		E	P
7439-97-6	Mercury	0.086			CV
7439-92-1	Lead	12.2			P
7782-49-2	Selenium	1.2	B		P

Color Before: dark brown Clarity Before: Texture: medium

Color After: brown Clarity After: cloudy Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.15	105.0	5.0	5.27	105.4	5.49	109.8	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	484.40	96.9	100.0	97.64	97.6	96.61	96.6	P
Arsenic	250.0	264.10	105.6	100.0	104.70	104.7	102.50	102.5	P
Barium	500.0	487.10	97.4	200.0	199.80	99.9	198.50	99.2	P
Cadmium	500.0	482.40	96.5	100.0	98.79	98.8	97.75	97.8	P
Chromium	500.0	486.00	97.2	200.0	192.90	96.4	189.90	95.0	P
Lead	1000.0	1011.00	101.1	400.0	414.30	103.6	423.30	105.8	P
Selenium	250.0	250.80	100.3	100.0	101.30	101.3	102.40	102.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZ00 SAS No.: SDG No.: KAL482

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver				100.0	97.31	97.3			P
Arsenic				100.0	103.80	103.8			P
Barium				200.0	198.10	99.0			P
Cadmium				100.0	97.70	97.7			P
Chromium				200.0	187.80	93.9			P
Lead				400.0	430.00	107.5			P
Selenium				100.0	96.39	96.4			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	8.45	84.5		
Arsenic				10.0	8.54	85.4		
Barium				200.0	189.80	94.9		
Cadmium				5.0	4.02	80.4		
Chromium				10.0	8.53	85.3		
Lead				10.0	10.02	100.2		
Selenium				35.0	29.73	84.9		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	-0.2	B	-0.2	B			0.017	U	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.3	U	-0.8	B	-0.7	B	0.3	U	0.026	U	P
Arsenic	1.3	B	0.9	U	0.9	U	0.9	U	-0.159	B	P
Barium	3.0	B	1.8	U	1.9	B	1.8	U	0.305	B	P
Cadmium	0.1	U	0.1	U	0.1	B	-0.1	B	0.011	B	P
Chromium	0.1	B	0.1	B	0.1	B	0.1	B	0.026	B	P
Lead	1.2	B	0.9	U	0.9	U	0.9	U	0.090	U	P
Selenium	-1.4	B	1.1	U	1.1	U	1.1	U	0.110	U	P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	208	-1	201.7	97.0			
Arsenic	0	95	-4	99.8	105.1			
Barium	0	481	1	478.5	99.5			
Cadmium	0	987	1	972.3	98.5			
Chromium	0	486	0	478.5	98.5			
Lead	0	48	0	53.5	111.5			
Selenium	0	52	7	53.4	102.7			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10048S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 70.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	80 - 120	5.6517		0.0277	U	6.04	93.6		P
Arsenic	80 - 120	26.9466		17.3028		4.84	199.3	N	P
Barium	80 - 120	340.3088		96.8085		241.78	100.7		P
Cadmium	80 - 120	6.0869		0.3921	B	6.04	94.3		P
Chromium	80 - 120	34.0067		9.0906		24.18	103.0		P
Lead		17.6018		12.2194		2.42	222.4		P
Selenium	80 - 120	7.2922		1.2475	B	6.04	100.1		P

Comments:

6

DUPLICATES

SAMPLE NO.

TS10048D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 70.7 % Solids for Duplicate: 70.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Silver		0.0277	U	0.0294	U			P
Arsenic		17.3028		19.5530		12.2		P
Barium	21.3	96.8085		110.7101		13.4		P
Cadmium		0.3921	B	0.4296	B	9.1		P
Chromium		9.0906		9.8636		8.2		P
Lead		12.2194		14.0877		14.2		P
Selenium		1.2475	B	1.5661	B	22.6		P

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	25.6		20.0	30.0	102.4
Arsenic				24.0	25.3		19.2	28.8	105.4
Barium				200.0	201.8		160.0	240.0	100.9
Cadmium				25.0	24.5		20.0	30.0	98.0
Chromium				20.0	20.2		16.0	24.0	101.0
Lead				22.0	24.1		17.6	26.4	109.5
Selenium				25.0	24.2		20.0	30.0	96.8

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

TS10048L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.26	U	1.30	U			P
Arsenic	162.70		182.50		12.2	E	P
Barium	910.30		1019.00		11.9	E	P
Cadmium	3.69	B	4.21	B	14.1		P
Chromium	85.48		96.49		12.9	E	P
Lead	114.90		125.60		9.3		P
Selenium	11.73	B	15.30	B	30.4		P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: Date: 10/12/09

Flame AA ID Number: Leeman Hydra AA (2)

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 10/05/09

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.26	P
Arsenic	189.042		10	0.95	P
Barium	493.409		200	1.8	P
Cadmium	226.502		5	0.091	P
Chromium	267.716		10	0.067	P
Lead	220.353		10	0.90	P
Selenium	196.026		35	1.1	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0006600	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0743217	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0001518	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001225
Molybdenum	202.030	0.0447130	0.0042559	0.0018500	0.0086269	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0024136	-0.0001264
Vanadium	292.402	0.0000000	0.0000000	0.0083899	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000169	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0105618	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0001866
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0129523	0.0000000	0.0000000	0.0000000	0.0001258
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0003715	0.0290852	0.0000000	0.0000000	-0.0023139
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000374
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0006516	0.0000000	0.0020829
Vanadium	292.402	0.0000000	0.0000000	0.0007609	0.0000991	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0003811	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000111	0.0000000	0.0000000	0.0000421
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000168	0.0000000	0.0000000
Manganese	257.610	0.0001367	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0007021	0.0005166	0.0000000	0.0000000	0.0002643
Nickel	231.604	-0.0001397	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000840	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000795	0.0000000	0.0000162	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0005832	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0017004	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0087800	0.0000000	0.0016815	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0023884
Copper	324.754	-0.0007823	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000226	0.0000318	0.0000147	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0002184	0.0000000	0.0009629	0.0000000	0.0005791
Molybdenum	202.030	-0.0023731	-0.0007787	0.0001642	0.0067559	0.0000000
Nickel	231.604	0.0002095	-0.0001417	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0049112	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0006655	-0.0002595	0.0000000	0.0066419	-0.0010827
Vanadium	292.402	-0.0000610	-0.0028037	0.0000000	0.0015099	-0.0002663
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 07/15/09

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000127			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0003952			
Iron	271.441	0.0000319	0.0000814			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000303			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0161925	-0.0001384			
Nickel	231.604	0.0000000	0.0061855			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0011538	-0.0005608			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

ICP ID Number: TJA ICAP 7 Date: 10/01/09

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	2000.0	P

Comments:

USEPA-CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS110309A	11/03/09	0.50	50.0
PBS110309A	11/03/09	0.30	50.0
TS10048	11/03/09	0.34	50.0

USEPA-CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: _____ SDG No.: KAL482

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS111109B	11/11/09	1.00	100.0
PBS111109B2	11/11/09	1.00	100.0
TS10048	11/11/09	1.33	100.0
TS10048D	11/11/09	1.25	100.0
TS10048S	11/11/09	1.17	100.0

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID Number: Leeman Hydra AA (2) Method: CV

Start Date: 11/03/09 End Date: 11/03/09

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1727																X									
S0.2	1.00	1730																X									
S0.5	1.00	1732																X									
S1	1.00	1735																X									
S5	1.00	1737																X									
S10	1.00	1739																X									
ICV	1.00	1741																X									
ICB	1.00	1744																X									
CCV	1.00	1746																X									
CCB	1.00	1748																X									
PBS110309A	1.00	1751																X									
LCSS110309A	1.00	1753																X									
ZZZZZZ	1.00	1755																									
TS10048	1.00	1757																X									
ZZZZZZ	1.00	1800																									
ZZZZZZ	1.00	1802																									
ZZZZZZ	1.00	1804																									
ZZZZZZ	1.00	1806																									
ZZZZZZ	1.00	1809																									
CCV	1.00	1812																X									
CCB	1.00	1814																X									

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 11/13/09 End Date: 11/13/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1042				X	X		X		X				X						X	X					
STD7	1.00	1046																									
STD8	1.00	1050				X									X						X						
STD4	1.00	1053					X		X		X											X					
ICV	1.00	1057				X	X		X		X				X						X	X					
ICB	1.00	1101				X	X		X		X				X						X	X					
ICSA	1.00	1105				X	X		X		X				X						X	X					
ICSAB	1.00	1109				X	X		X		X				X						X	X					
CRI	1.00	1113				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1117																									
CCV	1.00	1121				X	X		X		X				X						X	X					
CCB	1.00	1125				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1129																									
PBS111109B2	1.00	1132				X	X		X		X				X						X	X					
LCSS111109B	1.00	1135				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1138																									
ZZZZZZ	5.00	1142																									
ZZZZZZ	1.00	1146																									
ZZZZZZ	1.00	1150																									
ZZZZZZ	1.00	1154																									
TS10048	1.00	1157				X	X		X		X				X						X	X					
TS10048L	5.00	1201				X	X		X		X				X						X	X					
CCV	1.00	1205				X	X		X		X				X						X	X					
CCB	1.00	1209				X	X		X		X				X						X	X					
TS10048S	1.00	1213				X	X		X		X				X						X	X					
TS10048D	1.00	1217				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1221																									
ZZZZZZ	1.00	1225																									
ZZZZZZ	1.00	1229																									
ZZZZZZ	5.00	1233																									
ZZZZZZ	1.00	1236																									
ZZZZZZ	5.00	1240																									
ZZZZZZ	1.00	1244																									
ZZZZZZ	1.00	1248																									
CCV	1.00	1252				X	X		X		X				X						X	X					
CCB	1.00	1256				X	X		X		X				X						X	X					

TestAmerica

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Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 811393I2

Level: (low/med) LOW Date Received: 10/23/09

% Moisture: 29 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/03/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	460	U
62-75-9	N-Nitrosodimethylamine	460	U
62-53-3	Aniline	1100	U
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)Ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
100-51-6	Benzyl Alcohol	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
65-85-0	Benzoic Acid	1100	U
120-83-2	2,4-Dichlorophenol	57	J
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	40	J
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1100	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 811393I2

Level: (low/med) LOW Date Received: 10/23/09

% Moisture: 29 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/03/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	460	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	460	U
100-02-7	4-Nitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	460	U
86-73-7	Fluorene	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-nitrosodiphenylamine (1)	460	U
103-33-3	Azobenzene	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	460	U
92-87-5	Benzidine	1100	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	58	JB
56-55-3	Benzo(a)anthracene	460	U
91-94-1	3,3'-Dichlorobenzidine	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 30.6 (g/mL) G Lab File ID: 811393I2

Level: (low/med) LOW Date Received: 10/23/09

% Moisture: 29 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/03/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK102709B

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	320	U
62-75-9	N-Nitrosodimethylamine	320	U
62-53-3	Aniline	810	U
108-95-2	Phenol	320	U
111-44-4	bis(2-Chloroethyl)Ether	320	U
95-57-8	2-Chlorophenol	320	U
541-73-1	1,3-Dichlorobenzene	320	U
106-46-7	1,4-Dichlorobenzene	320	U
100-51-6	Benzyl Alcohol	320	U
95-50-1	1,2-Dichlorobenzene	320	U
95-48-7	2-Methylphenol	320	U
108-60-1	2,2'-oxybis(1-Chloropropane)	320	U
106-44-5	4-Methylphenol	320	U
621-64-7	N-Nitroso-di-n-propylamine	320	U
67-72-1	Hexachloroethane	320	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	320	U
105-67-9	2,4-Dimethylphenol	320	U
111-91-1	bis(2-Chloroethoxy)methane	320	U
65-85-0	Benzoic Acid	810	U
120-83-2	2,4-Dichlorophenol	320	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	320	U
106-47-8	4-Chloroaniline	320	U
87-68-3	Hexachlorobutadiene	320	U
59-50-7	4-Chloro-3-methylphenol	320	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	320	U
95-95-4	2,4,5-Trichlorophenol	810	U
91-58-7	2-Chloronaphthalene	320	U
88-74-4	2-Nitroaniline	810	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK102709B

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	320	U
208-96-8	Acenaphthylene	320	U
606-20-2	2,6-Dinitrotoluene	320	U
99-09-2	3-Nitroaniline	810	U
83-32-9	Acenaphthene	320	U
51-28-5	2,4-Dinitrophenol	810	U
132-64-9	Dibenzofuran	320	U
100-02-7	4-Nitrophenol	810	U
121-14-2	2,4-Dinitrotoluene	320	U
86-73-7	Fluorene	320	U
84-66-2	Diethylphthalate	16	J
7005-72-3	4-Chlorophenyl-phenylether	320	U
100-01-6	4-Nitroaniline	810	U
534-52-1	4,6-Dinitro-2-methylphenol	810	U
86-30-6	N-nitrosodiphenylamine (1)	320	U
103-33-3	Azobenzene	320	U
101-55-3	4-Bromophenyl-phenylether	320	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	320	U
120-12-7	Anthracene	320	U
86-74-8	Carbazole	320	U
84-74-2	Di-n-butylphthalate	110	J
206-44-0	Fluoranthene	320	U
92-87-5	Benzidine	810	U
129-00-0	Pyrene	320	U
85-68-7	Butylbenzylphthalate	130	J
56-55-3	Benzo(a)anthracene	320	U
91-94-1	3,3'-Dichlorobenzidine	320	U
218-01-9	Chrysene	320	U
117-81-7	bis(2-Ethylhexyl)phthalate	4800	E
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo(b)fluoranthene	320	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK102709B

Sample wt/vol: 30.8 (g/mL) G Lab File ID: B1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	320	U
50-32-8	Benzo(a)pyrene	320	U
193-39-5	Indeno(1,2,3-cd)pyrene	320	U
53-70-3	Dibenz(a,h)anthracene	320	U
191-24-2	Benzo(g,h,i)perylene	320	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B102709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: B102709LCS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: Q1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	760	
62-75-9	N-Nitrosodimethylamine	1300	
62-53-3	Aniline	1100	
108-95-2	Phenol	1400	
111-44-4	bis(2-Chloroethyl)Ether	1400	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1200	
106-46-7	1,4-Dichlorobenzene	1200	
100-51-6	Benzyl Alcohol	1400	
95-50-1	1,2-Dichlorobenzene	1200	
95-48-7	2-Methylphenol	1400	
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	
106-44-5	4-Methylphenol	1400	
621-64-7	N-Nitroso-di-n-propylamine	1400	
67-72-1	Hexachloroethane	1200	
98-95-3	Nitrobenzene	1500	
78-59-1	Isophorone	1500	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1400	
111-91-1	bis(2-Chloroethoxy)methane	1400	
65-85-0	Benzoic Acid	1100	
120-83-2	2,4-Dichlorophenol	1400	
120-82-1	1,2,4-Trichlorobenzene	1300	
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	980	
87-68-3	Hexachlorobutadiene	1200	
59-50-7	4-Chloro-3-methylphenol	1600	
91-57-6	2-Methylnaphthalene	1500	
77-47-4	Hexachlorocyclopentadiene	1200	
88-06-2	2,4,6-Trichlorophenol	1300	
95-95-4	2,4,5-Trichlorophenol	1200	
91-58-7	2-Chloronaphthalene	1300	
88-74-4	2-Nitroaniline	1800	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B102709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: B102709LCS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: Q1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1500	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1500	
99-09-2	3-Nitroaniline	940	
83-32-9	Acenaphthene	1400	
51-28-5	2,4-Dinitrophenol	1500	
132-64-9	Dibenzofuran	1400	
100-02-7	4-Nitrophenol	2100	
121-14-2	2,4-Dinitrotoluene	1600	
86-73-7	Fluorene	1500	
84-66-2	Diethylphthalate	1600	B
7005-72-3	4-Chlorophenyl-phenylether	1400	
100-01-6	4-Nitroaniline	1700	
534-52-1	4,6-Dinitro-2-methylphenol	1500	
86-30-6	N-nitrosodiphenylamine (1)	1400	
103-33-3	Azobenzene	1400	
101-55-3	4-Bromophenyl-phenylether	1300	
118-74-1	Hexachlorobenzene	1200	
87-86-5	Pentachlorophenol	1200	
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1500	
84-74-2	Di-n-butylphthalate	1600	B
206-44-0	Fluoranthene	1500	
92-87-5	Benzidine	760	J
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	1700	B
56-55-3	Benzo(a)anthracene	1400	
91-94-1	3,3'-Dichlorobenzidine	1000	
218-01-9	Chrysene	1400	
117-81-7	bis(2-Ethylhexyl)phthalate	1600	B
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1600	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B102709LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: B102709LCS

Sample wt/vol: 30.3 (g/mL) G Lab File ID: Q1027B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/27/09

Concentrated Extract Volume: 500(uL) Date Analyzed: 11/02/09

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	
53-70-3	Dibenz(a,h)anthracene	1700	
191-24-2	Benzo(g,h,i)perylene	1800	

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	B102709LCS	73	74	70	64	79	72	70	75	0
02	MBLK102709B	72	74	69	66	76	70	65	74	0
03	TS10048	64	60	60	63	77	80	58	48	0
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
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25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - STLVT Sample No.: B102709LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Pyridine	1600		760	48	15-105
N-Nitrosodimethylamine	1600		1300	81	55-125
Aniline	1600		1100	69	10-105
Phenol	1600		1400	88	60-140
bis(2-Chloroethyl)Ether	1600		1400	88	60-125
2-Chlorophenol	1600		1300	81	60-125
1,3-Dichlorobenzene	1600		1200	75	50-115
1,4-Dichlorobenzene	1600		1200	75	55-120
Benzyl Alcohol	1600		1400	88	50-155
1,2-Dichlorobenzene	1600		1200	75	55-120
2-Methylphenol	1600		1400	88	50-135
2,2'-oxybis(1-Chloropro	1600		1500	94	60-130
4-Methylphenol	1600		1400	88	35-140
N-Nitroso-di-n-prop.(1)	1600		1400	88	45-125
Hexachloroethane	1600		1200	75	55-120
Nitrobenzene	1600		1500	94	55-120
Isophorone	1600		1500	94	50-115
2-Nitrophenol	1600		1400	88	55-135
2,4-Dimethylphenol	1600		1400	88	25-150
bis(2-Chloroethoxy)meth	1600		1400	88	55-125
Benzoic Acid	1600		1100	69	25-145
2,4-Dichlorophenol	1600		1400	88	55-130
1,2,4-Trichlorobenzene	1600		1300	81	55-120
Naphthalene	1600		1300	81	55-120
4-Chloroaniline	1600		980	61	10- 90
Hexachlorobutadiene	1600		1200	75	50-130
4-Chloro-3-methylphenol	1600		1600	100	60-140
2-Methylnaphthalene	1600		1500	94	45-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - STLVT Sample No.: B102709LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Hexachlorocyclopentadie	1600		1200	75	30-105
2,4,6-Trichlorophenol	1600		1300	81	60-135
2,4,5-Trichlorophenol	1600		1200	75	60-130
2-Chloronaphthalene	1600		1300	81	45-120
2-Nitroaniline	1600		1800	112	50-125
Dimethylphthalate	1600		1500	94	55-120
Acenaphthylene	1600		1500	94	50-115
2,6-Dinitrotoluene	1600		1500	94	55-130
3-Nitroaniline	1600		940	59	20- 85
Acenaphthene	1600		1400	88	55-120
2,4-Dinitrophenol	1600		1500	94	25-160
Dibenzofuran	1600		1400	88	55-120
4-Nitrophenol	1600		2100	131	30-155
2,4-Dinitrotoluene	1600		1600	100	50-120
Fluorene	1600		1500	94	50-125
Diethylphthalate	1600		1600	100	50-125
4-Chlorophenyl-phenylet	1600		1400	88	50-120
4-Nitroaniline	1600		1700	106	25-115
4,6-Dinitro-2-methylphe	1600		1500	94	55-160
N-nitrosodiphenylamine	1600		1400	88	45-130
Azobenzene	1600		1400	88	60-140
4-Bromophenyl-phenyleth	1600		1300	81	55-130
Hexachlorobenzene	1600		1200	75	55-125
Pentachlorophenol	1600		1200	75	50-140
Phenanthrene	1600		1400	88	60-125
Anthracene	1600		1400	88	60-125
Carbazole	1600		1500	94	55-125
Di-n-butylphthalate	1600		1600	100	50-120

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - STLVT Sample No.: B102709LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Fluoranthene	1600		1500	94	50-120
Benzidine	1600		760	48	10-120
Pyrene	1600		1600	100	35-175
Butylbenzylphthalate	1600		1700	106	65-145
Benzo(a)anthracene	1600		1400	88	55-130
3,3'-Dichlorobenzidine	1600		1000	62	10-120
Chrysene	1600		1400	88	60-125
bis(2-Ethylhexyl)phthal	1600		1600	100	55-140
Di-n-octylphthalate	1600		1500	94	60-135
Benzo(b)fluoranthene	1600		1600	100	45-130
Benzo(k)fluoranthene	1600		1600	100	60-125
Benzo(a)pyrene	1600		1400	88	55-120
Indeno(1,2,3-cd)pyrene	1600		1800	112	55-135
Dibenz(a,h)anthracene	1600		1700	106	35-145
Benzo(g,h,i)perylene	1600		1800	112	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 71 outside limits

COMMENTS:

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK102709B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: B1027B Lab Sample ID: MBLK102709B

Instrument ID: U Date Extracted: 10/27/09

Matrix: (soil/water) SOIL Date Analyzed: 11/02/09

Level:(low/med) LOW Time Analyzed: 1249

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	B102709LCS	B102709LCS	Q1027B	11/02/09
02	TS10048	811393	811393I2	11/03/09
03				
04				
05				
06				
07				
08				
09				
10				
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12				
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30				

COMMENTS:

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: UGU01PS DFTPP Injection Date: 10/22/09

Instrument ID: U DFTPP Injection Time: 1437

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	38.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	61.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	20.0
365	Greater than 1.0% of mass 198	2.26
441	Present, but less than mass 443	12.6
442	Greater than 40.0% of mass 198	79.4
443	17.0 - 23.0% of mass 442	15.3 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD140	SSTD140	UGU140	10/22/09	1531
02	SSTD160	SSTD160	UGU160I2	10/22/09	1605
03	SSTD100	SSTD100	UGU100	10/22/09	1712
04	SSTD080	SSTD080	UGU080	10/22/09	1745
05	SSTD050	SSTD050	UGU050	10/22/09	1819
06	SSTD020	SSTD020	UGU020	10/22/09	1852
07	SSTD320	SSTD320	UGU320	10/22/09	1925
08	SSTD120	SSTD120	UGU120I2	10/22/09	1958
09					
10					
11					
12					
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17					
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21					
22					

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: UGU19PS DFTPP Injection Date: 11/02/09

Instrument ID: U DFTPP Injection Time: 0639

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.3
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	79.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	59.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	18.5
365	Greater than 1.0% of mass 198	2.23
441	Present, but less than mass 443	11.9
442	Greater than 40.0% of mass 198	75.5
443	17.0 - 23.0% of mass 442	14.7 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD100	SSTD100	UGU100F	11/02/09	0804
02	B102709LCS	B102709LCS	Q1027B	11/02/09	1213
03	MBLK102709B	MBLK102709B	B1027B	11/02/09	1249
04					
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FORM V SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID: UGU27PS DFTPP Injection Date: 11/03/09

Instrument ID: U DFTPP Injection Time: 1410

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	77.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	59.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	19.2
365	Greater than 1.0% of mass 198	2.22
441	Present, but less than mass 443	10.9
442	Greater than 40.0% of mass 198	68.8
443	17.0 - 23.0% of mass 442	13.3 (19.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	UGU080G2	11/03/09	1432
02	TS10048	811393	811393I2	11/03/09	1730
03					
04					
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6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugua020.d RRF50 =ugua050.d
RRF80 =ugua080.d RRF100=ugua100.d RRF120=ugua120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Pyridine	1.716	1.700	1.690	1.728	1.710		
N-Nitrosodimethylamine	0.965	1.013	0.981	0.947	0.950		
Aniline		2.221	2.130	2.161	2.084		
Phenol *	1.918	1.919	1.847	1.921	1.855		*
bis(2-Chloroethyl)Ether	1.456	1.506	1.468	1.499	1.462		
2-Chlorophenol	1.523	1.587	1.556	1.594	1.535		
1,3-Dichlorobenzene	1.577	1.616	1.565	1.558	1.536		
1,4-Dichlorobenzene *	1.602	1.650	1.598	1.624	1.580		*
Benzyl Alcohol	0.776	0.916	0.924	0.941	0.884		
1,2-Dichlorobenzene	1.514	1.564	1.503	1.510	1.458		
2-Methylphenol	1.165	1.208	1.190	1.203	1.155		
2,2'-oxybis(1-Chloropropane	2.299	2.321	2.250	2.253	2.193		
4-Methylphenol	1.531	1.592	1.529	1.588	1.503		
N-Nitroso-di-n-propylamine #	1.217	1.262	1.208	1.253	1.210		#
Hexachloroethane	0.692	0.711	0.698	0.712	0.696		
Nitrobenzene	0.391	0.404	0.406	0.403	0.388		
Isophorone	0.755	0.775	0.756	0.770	0.743		
2-Nitrophenol *	0.212	0.222	0.220	0.223	0.212		*
2,4-Dimethylphenol	0.334	0.351	0.352	0.353	0.334		
bis(2-Chloroethoxy)methane	0.446	0.462	0.453	0.450	0.428		
Benzoic Acid		0.237	0.250	0.258	0.259		
2,4-Dichlorophenol *	0.268	0.282	0.279	0.284	0.269		*
1,2,4-Trichlorobenzene	0.294	0.299	0.295	0.301	0.284		
Naphthalene	1.076	1.069	1.049	1.026	0.982		
4-Chloroaniline	0.472	0.475	0.453	0.448	0.423		
Hexachlorobutadiene *	0.162	0.165	0.165	0.170	0.161		*
4-Chloro-3-methylphenol *	0.292	0.307	0.282	0.283	0.266		*
2-Methylnaphthalene	0.205	0.212	0.206	0.210	0.198		
Hexachlorocyclopentadiene #	0.318	0.357	0.368	0.381	0.380		#
2,4,6-Trichlorophenol *	0.400	0.421	0.427	0.440	0.418		*
2,4,5-Trichlorophenol		0.422	0.432	0.452	0.477		
2-Chloronaphthalene	0.533	0.547	0.552	0.559	0.543		
2-Nitroaniline		0.449	0.424	0.417	0.404		
Dimethylphthalate	1.354	1.342	1.308	1.317	1.281		
Acenaphthylene	1.998	1.980	1.952	1.890	1.906		
2,6-Dinitrotoluene	0.343	0.340	0.334	0.326	0.332		
3-Nitroaniline		0.400	0.396	0.393	0.385		

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugua020.d RRF50 =ugua050.d
RRF80 =ugua080.d RRF100=ugua100.d RRF120=ugua120.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Acenaphthene	*	1.142	1.146	1.140	1.140	1.098		*
2,4-Dinitrophenol	#		0.167	0.177	0.191	0.197		#
Dibenzofuran		1.662	1.658	1.614	1.624	1.558		
4-Nitrophenol	#		0.243	0.246	0.255	0.256		#
2,4-Dinitrotoluene		0.423	0.416	0.408	0.396	0.392		
Fluorene		1.295	1.250	1.203	1.189	1.140		
Diethylphthalate		1.412	1.415	1.370	1.357	1.307		
4-Chlorophenyl-phenylether		0.641	0.624	0.633	0.634	0.602		
4-Nitroaniline			0.356	0.335	0.332	0.321		
4,6-Dinitro-2-methylphenol			0.134	0.142	0.150	0.153		
N-nitrosodiphenylamine (1)	*	0.660	0.681	0.695	0.714	0.696		*
Azobenzene		0.366	0.367	0.364	0.355	0.344		
4-Bromophenyl-phenylether		0.227	0.238	0.242	0.253	0.246		
Hexachlorobenzene		0.248	0.258	0.264	0.269	0.258		
Pentachlorophenol	*		0.134	0.141	0.152	0.142		*
Phenanthrene		1.069	1.059	1.034	1.042	0.988		
Anthracene		1.042	1.038	1.029	0.999	0.981		
Carbazole		0.937	0.916	0.873	0.872	0.886		
Di-n-butylphthalate		1.374	1.375	1.307	1.254	1.310		
Fluoranthene	*	0.958	0.879	0.847	0.844	0.832		*
Benzidine			0.381	0.324	0.300	0.321		
Pyrene		1.759	1.696	1.546	1.481	1.368		
Butylbenzylphthalate		0.806	0.774	0.733	0.717	0.689		
Benzo(a)anthracene		1.109	1.126	1.112	1.145	1.086		
3,3'-Dichlorobenzidine		0.354	0.355	0.346	0.342	0.338		
Chrysene		1.083	1.082	1.073	1.066	1.045		
bis(2-Ethylhexyl)phthalate		1.034	1.058	0.994	0.971	0.935		
Di-n-octylphthalate	*	1.275	1.398	1.473	1.497	1.504		*
Benzo(b)fluoranthene		0.925	1.165	0.953	0.969	0.942		
Benzo(k)fluoranthene		1.407	1.245	1.344	1.336	1.306		
Benzo(a)pyrene	*	1.015	1.051	1.084	1.072	1.071		*
Indeno(1,2,3-cd)pyrene		0.863	1.040	1.107	1.155	1.206		
Dibenz(a,h)anthracene		0.692	0.863	0.933	0.984	0.997		
Benzo(g,h,i)perylene		0.740	0.868	0.903	0.939	0.971		
2-Fluorophenol		1.577	1.566	1.508	1.523	1.476		

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =ugua020.d RRF50 =ugua050.d
RRF80 =ugua080.d RRF100=ugua100.d RRF120=ugua120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Phenol-d5	2.027	1.960	1.890	1.932	1.876		
2-Chlorophenol-d4	1.653	1.628	1.572	1.590	1.558		
1,2-Dichlorobenzene-d4	1.076	1.042	1.000	1.001	0.968		
Nitrobenzene-d5	0.449	0.434	0.434	0.430	0.414		
2-Fluorobiphenyl	1.523	1.455	1.462	1.450	1.406		
2,4,6-Tribromophenol	0.243	0.238	0.239	0.244	0.219		
Terphenyl-d14	1.367	1.231	1.114	1.095	0.959		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugua140.d RRF160=ugua160.d
RRF320=ugu320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Pyridine	1.727	1.670				1.706	1.2
N-Nitrosodimethylamine	0.975	0.981				0.973	2.3
Aniline	2.085	2.054				2.122	2.9
Phenol *	1.864	1.778				1.872	2.8*
bis(2-Chloroethyl)Ether	1.520	1.466				1.482	1.7
2-Chlorophenol	1.580	1.539				1.559	1.8
1,3-Dichlorobenzene	1.523	1.502				1.554	2.4
1,4-Dichlorobenzene *	1.563	1.541				1.594	2.3*
Benzyl Alcohol	0.955	0.931				0.904	6.7
1,2-Dichlorobenzene	1.468	1.416				1.490	3.2
2-Methylphenol	1.184	1.162				1.181	1.8
2,2'-oxybis(1-Chloropropane	2.156	2.106				2.225	3.5
4-Methylphenol	1.543	1.528				1.545	2.1
N-Nitroso-di-n-propylamine #	1.192	1.145				1.212	3.2#
Hexachloroethane	0.688	0.673				0.696	1.9
Nitrobenzene	0.402	0.379				0.396	2.6
Isophorone	0.755	0.727				0.754	2.1
2-Nitrophenol *	0.215	0.206				0.216	3.0*
2,4-Dimethylphenol	0.346	0.335				0.344	2.6
bis(2-Chloroethoxy)methane	0.441	0.430				0.444	2.8
Benzoic Acid	0.263	0.262	0.301			0.261	7.5
2,4-Dichlorophenol *	0.270	0.261				0.273	3.2*
1,2,4-Trichlorobenzene	0.289	0.280				0.292	2.6
Naphthalene	0.979	0.931				1.016	5.3
4-Chloroaniline	0.425	0.404				0.443	6.0
Hexachlorobutadiene *	0.161	0.157				0.163	2.6*
4-Chloro-3-methylphenol *	0.275	0.262				0.281	5.5*
2-Methylnaphthalene	0.203	0.195				0.204	3.1
Hexachlorocyclopentadiene #	0.395	0.388				0.370	7.0#
2,4,6-Trichlorophenol *	0.446	0.437				0.427	3.7*
2,4,5-Trichlorophenol	0.444	0.436				0.444	4.3
2-Chloronaphthalene	0.567	0.544				0.549	2.0
2-Nitroaniline	0.413	0.383				0.415	5.2
Dimethylphthalate	1.266	1.215				1.298	3.7
Acenaphthylene	1.875	1.814				1.916	3.4
2,6-Dinitrotoluene	0.326	0.322				0.332	2.3
3-Nitroaniline	0.388	0.369				0.388	2.8

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugua140.d RRF160=ugua160.d
RRF320=ugu320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Acenaphthene *	1.095	1.081				1.120	2.5*
2,4-Dinitrophenol #	0.203	0.196				0.188	7.2#
Dibenzofuran	1.579	1.502				1.600	3.6
4-Nitrophenol #	0.256	0.252				0.251	2.2#
2,4-Dinitrotoluene	0.382	0.379				0.399	4.2
Fluorene	1.132	1.109				1.188	5.7
Diethylphthalate	1.295	1.272				1.347	4.2
4-Chlorophenyl-phenylether	0.607	0.601				0.620	2.7
4-Nitroaniline	0.315	0.304				0.327	5.5
4,6-Dinitro-2-methylphenol	0.153	0.155				0.148	5.6
N-nitrosodiphenylamine (1) *	0.689	0.706				0.692	2.6*
Azobenzene	0.357	0.336				0.356	3.3
4-Bromophenyl-phenylether	0.244	0.257				0.244	4.0
Hexachlorobenzene	0.259	0.266				0.260	2.6
Pentachlorophenol *	0.151	0.155				0.146	5.5*
Phenanthrene	0.987	0.985				1.023	3.5
Anthracene	0.964	0.992				1.006	3.0
Carbazole	0.844	0.856				0.883	3.7
Di-n-butylphthalate	1.215	1.248				1.298	4.8
Fluoranthene *	0.806	0.810				0.854	6.1*
Benzidine	0.316	0.277				0.320	10.9
Pyrene	1.381	1.256				1.498	12.2
Butylbenzylphthalate	0.677	0.661				0.722	7.3
Benzo(a)anthracene	1.102	1.069				1.107	2.3
3,3'-Dichlorobenzidine	0.324	0.334				0.342	3.1
Chrysene	1.022	0.963				1.048	4.1
bis(2-Ethylhexyl)phthalate	0.926	0.902				0.974	5.9
Di-n-octylphthalate *	1.502	1.472				1.446	5.8*
Benzo(b)fluoranthene	1.041	0.938				0.990	8.7
Benzo(k)fluoranthene	1.074	1.226				1.277	8.5
Benzo(a)pyrene *	1.036	1.017				1.049	2.6*
Indeno(1,2,3-cd)pyrene	1.180	1.136				1.098	10.6
Dibenz(a,h)anthracene	1.028	0.950				0.921	12.4
Benzo(g,h,i)perylene	0.937	0.849				0.887	8.7
2-Fluorophenol	1.484	1.457				1.513	3.0

(1) Cannot be separated from Diphenylamine

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date(s): 10/22/09

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=ugua140.d RRF160=ugua160.d
RRF320=ugu320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Phenol-d5	1.849	1.793				1.904	4.0
2-Chlorophenol-d4	1.563	1.531				1.585	2.7
1,2-Dichlorobenzene-d4	0.952	0.923				0.994	5.3
Nitrobenzene-d5	0.425	0.404				0.427	3.4
2-Fluorobiphenyl	1.438	1.399				1.448	2.8
2,4,6-Tribromophenol	0.228	0.227				0.234	4.1
Terphenyl-d14	0.994	0.910				1.096	14.7

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/02/09 Time: 0804

Lab File ID: UGU100F Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
Pyridine	1.706	1.725		1.1	
N-Nitrosodimethylamine	0.973	0.976		0.3	
Aniline	2.122	2.098		1.1	
Phenol	1.872	1.873		0.0	20.0
bis(2-Chloroethyl)Ether	1.482	1.466		1.1	
2-Chlorophenol	1.559	1.498		3.9	
1,3-Dichlorobenzene	1.554	1.487		4.3	
1,4-Dichlorobenzene	1.594	1.507		5.4	20.0
Benzyl Alcohol	0.904	0.904		0.0	
1,2-Dichlorobenzene	1.490	1.419		4.8	
2-Methylphenol	1.181	1.126		4.6	
2,2'-oxybis(1-Chloropropane)	2.225	2.430		9.2	
4-Methylphenol	1.545	1.484		3.9	
N-Nitroso-di-n-propylamine	1.212	1.261	0.05	4.0	
Hexachloroethane	0.696	0.683		1.9	
Nitrobenzene	0.396	0.419		5.8	
Isophorone	0.754	0.773		2.5	
2-Nitrophenol	0.216	0.212		1.8	20.0
2,4-Dimethylphenol	0.344	0.358		4.1	
bis(2-Chloroethoxy)methane	0.444	0.443		0.2	
Benzoic Acid	0.261	0.242		7.3	
2,4-Dichlorophenol	0.273	0.255		6.6	20.0
1,2,4-Trichlorobenzene	0.292	0.266		8.9	
Naphthalene	1.016	0.952		6.3	
4-Chloroaniline	0.443	0.411		7.2	
Hexachlorobutadiene	0.163	0.150		8.0	20.0
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.204	0.214		4.9	
Hexachlorocyclopentadiene	0.370	0.371	0.05	0.3	
2,4,6-Trichlorophenol	0.427	0.399		6.6	20.0
2,4,5-Trichlorophenol	0.444	0.390		12.2	
2-Chloronaphthalene	0.549	0.552		0.5	
2-Nitroaniline	0.415	0.482		16.1	
Dimethylphthalate	1.298	1.268		2.3	
Acenaphthylene	1.916	1.916		0.0	
2,6-Dinitrotoluene	0.332	0.323		2.7	
3-Nitroaniline	0.388	0.392		1.0	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/02/09 Time: 0804

Lab File ID: UGU100F Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
Acenaphthene	1.120	1.091		2.6	20.0
2,4-Dinitrophenol	0.188	0.199	0.05	5.8	
Dibenzofuran	1.600	1.526		4.6	
4-Nitrophenol	0.251	0.312	0.05	24.3	
2,4-Dinitrotoluene	0.399	0.396		0.8	
Fluorene	1.188	1.144		3.7	
Diethylphthalate	1.347	1.354		0.5	
4-Chlorophenyl-phenylether	0.620	0.580		6.4	
4-Nitroaniline	0.327	0.354		8.2	
4,6-Dinitro-2-methylphenol	0.148	0.150		1.4	
N-nitrosodiphenylamine	0.692	0.667		3.6	20.0
Azobenzene	0.356	0.328		7.9	
4-Bromophenyl-phenylether	0.244	0.217		11.1	
Hexachlorobenzene	0.260	0.221		15.0	
Pentachlorophenol	0.146	0.135		7.5	20.0
Phenanthrene	1.023	0.962		6.0	
Anthracene	1.006	0.965		4.1	
Carbazole	0.883	0.858		2.8	
Di-n-butylphthalate	1.298	1.284		1.1	
Fluoranthene	0.854	0.818		4.2	20.0
Benzidine	0.320	0.480		50.0	
Pyrene	1.498	1.606		7.2	
Butylbenzylphthalate	0.722	0.767		6.2	
Benzo(a)anthracene	1.107	1.094		1.2	
3,3'-Dichlorobenzidine	0.342	0.368		7.6	
Chrysene	1.048	0.998		4.8	
bis(2-Ethylhexyl)phthalate	0.974	1.010		3.7	
Di-n-octylphthalate	1.446	1.563		8.1	20.0
Benzo(b)fluoranthene	0.990	1.010		2.0	
Benzo(k)fluoranthene	1.277	1.096		14.2	
Benzo(a)pyrene	1.049	1.006		4.1	20.0
Indeno(1,2,3-cd)pyrene	1.098	1.359		23.8	
Dibenz(a,h)anthracene	0.921	1.095		18.9	
Benzo(g,h,i)perylene	0.887	1.205		35.8	
2-Fluorophenol	1.513	1.562		3.2	
Phenol-d5	1.904	1.977		3.8	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/02/09 Time: 0804

Lab File ID: UGU100F Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.585	1.583		0.1	
1,2-Dichlorobenzene-d4	0.994	0.974		2.0	
Nitrobenzene-d5	0.427	0.462		8.2	
2-Fluorobiphenyl	1.448	1.434		1.0	
2,4,6-Tribromophenol	0.234	0.215		8.1	
Terphenyl-d14	1.096	1.155		5.4	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/03/09 Time: 1432

Lab File ID: UGU080G2 Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Pyridine	1.706	1.536		10.0	
N-Nitrosodimethylamine	0.973	0.927		4.7	
Aniline	2.122	1.873		11.7	
Phenol	1.872	1.719		8.2	20.0
bis(2-Chloroethyl)Ether	1.482	1.437		3.0	
2-Chlorophenol	1.559	1.419		9.0	
1,3-Dichlorobenzene	1.554	1.458		6.2	
1,4-Dichlorobenzene	1.594	1.475		7.5	20.0
Benzyl Alcohol	0.904	0.850		6.0	
1,2-Dichlorobenzene	1.490	1.379		7.4	
2-Methylphenol	1.181	1.045		11.5	
2,2'-oxybis(1-Chloropropane)	2.225	2.312		3.9	
4-Methylphenol	1.545	1.357		12.2	
N-Nitroso-di-n-propylamine	1.212	1.079	0.05	11.0	
Hexachloroethane	0.696	0.674		3.2	
Nitrobenzene	0.396	0.403		1.8	
Isophorone	0.754	0.671		11.0	
2-Nitrophenol	0.216	0.199		7.9	20.0
2,4-Dimethylphenol	0.344	0.327		4.9	
bis(2-Chloroethoxy)methane	0.444	0.420		5.4	
Benzoic Acid	0.261	0.180		31.0	
2,4-Dichlorophenol	0.273	0.248		9.2	20.0
1,2,4-Trichlorobenzene	0.292	0.268		8.2	
Naphthalene	1.016	0.955		6.0	
4-Chloroaniline	0.443	0.362		18.3	
Hexachlorobutadiene	0.163	0.149		8.6	20.0
4-Chloro-3-methylphenol	0.281	0.246		12.4	20.0
2-Methylnaphthalene	0.204	0.188		7.8	
Hexachlorocyclopentadiene	0.370	0.399	0.05	7.8	
2,4,6-Trichlorophenol	0.427	0.407		4.7	20.0
2,4,5-Trichlorophenol	0.444	0.383		13.7	
2-Chloronaphthalene	0.549	0.574		4.6	
2-Nitroaniline	0.415	0.431		3.8	
Dimethylphthalate	1.298	1.110		14.5	
Acenaphthylene	1.916	1.849		3.5	
2,6-Dinitrotoluene	0.332	0.273		17.8	
3-Nitroaniline	0.388	0.319		17.8	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/03/09 Time: 1432

Lab File ID: UGU080G2 Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Acenaphthene	1.120	1.060		5.4	20.0
2,4-Dinitrophenol	0.188	0.148	0.05	21.3	
Dibenzofuran	1.600	1.461		8.7	
4-Nitrophenol	0.251	0.242	0.05	3.6	
2,4-Dinitrotoluene	0.399	0.308		22.8	
Fluorene	1.188	1.033		13.0	
Diethylphthalate	1.347	1.119		16.9	
4-Chlorophenyl-phenylether	0.620	0.525		15.3	
4-Nitroaniline	0.327	0.259		20.8	
4,6-Dinitro-2-methylphenol	0.148	0.135		8.8	
N-nitrosodiphenylamine	0.692	0.667		3.6	20.0
Azobenzene	0.356	0.285		19.9	
4-Bromophenyl-phenylether	0.244	0.219		10.2	
Hexachlorobenzene	0.260	0.220		15.4	
Pentachlorophenol	0.146	0.119		18.5	20.0
Phenanthrene	1.023	0.957		6.4	
Anthracene	1.006	0.952		5.4	
Carbazole	0.883	0.828		6.2	
Di-n-butylphthalate	1.298	1.164		10.3	
Fluoranthene	0.854	0.799		6.4	20.0
Benzidine	0.320	0.380		18.8	
Pyrene	1.498	1.231		17.8	
Butylbenzylphthalate	0.722	0.626		13.3	
Benzo(a)anthracene	1.107	0.992		10.4	
3,3'-Dichlorobenzidine	0.342	0.381		11.4	
Chrysene	1.048	0.916		12.6	
bis(2-Ethylhexyl)phthalate	0.974	0.865		11.2	
Di-n-octylphthalate	1.446	1.570		8.6	20.0
Benzo(b)fluoranthene	0.990	0.889		10.2	
Benzo(k)fluoranthene	1.277	1.222		4.3	
Benzo(a)pyrene	1.049	1.001		4.6	20.0
Indeno(1,2,3-cd)pyrene	1.098	1.238		12.8	
Dibenz(a,h)anthracene	0.921	1.015		10.2	
Benzo(g,h,i)perylene	0.887	1.059		19.4	
2-Fluorophenol	1.513	1.541		1.8	
Phenol-d5	1.904	1.883		1.1	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: U Calibration Date: 11/03/09 Time: 1432

Lab File ID: UGU080G2 Init. Calib. Date(s): 10/22/09 10/22/09

Init. Calib. Times: 1531 2348

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2-Chlorophenol-d4	1.585	1.555		1.9	
1,2-Dichlorobenzene-d4	0.994	0.985		0.9	
Nitrobenzene-d5	0.427	0.459		7.5	
2-Fluorobiphenyl	1.448	1.546		6.8	
2,4,6-Tribromophenol	0.234	0.186		20.5	
Terphenyl-d14	1.096	0.892		18.6	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU100F Date Analyzed: 11/02/09

Instrument ID: U Time Analyzed: 0804

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	373568	6.53	1517622	8.48	640461	11.30
	UPPER LIMIT	747136	7.03	3035244	8.98	1280922	11.80
	LOWER LIMIT	186784	6.03	758811	7.98	320230	10.80
	STLVT SAMPLE NO.						
01	B102709LCS	424071	6.54	1651937	8.49	714573	11.31
02	MBLK102709B	446037	6.54	1743025	8.47	749155	11.29
03							
04							
05							
06							
07							
08							
09							
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11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU100F Date Analyzed: 11/02/09

Instrument ID: U Time Analyzed: 0804

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	953652	13.65	501227	17.81	545685	19.73
	UPPER LIMIT	1907304	14.15	1002454	18.31	1091370	20.23
	LOWER LIMIT	476826	13.15	250614	17.31	272842	19.23
	STLVT SAMPLE NO.						
01	B102709LCS	1125639	13.65	646130	17.82	496618	19.72
02	MBLK102709B	1197903	13.65	668881	17.81	523495	19.71
03							
04							
05							
06							
07							
08							
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12							
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14							
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16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU080G2 Date Analyzed: 11/03/09

Instrument ID: U Time Analyzed: 1432

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	422662	6.51	1598502	8.46	580162	11.28
	UPPER LIMIT	845324	7.01	3197004	8.96	1160324	11.78
	LOWER LIMIT	211331	6.01	799251	7.96	290081	10.78
	STLVT SAMPLE NO.						
01	TS10048	492557	6.51	1630556	8.45	531644	11.26
02							
03							
04							
05							
06							
07							
08							
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12							
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14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab File ID (Standard): UGU080G2 Date Analyzed: 11/03/09

Instrument ID: U Time Analyzed: 1432

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	721160	13.62	487828	17.80	531551	19.71
	UPPER LIMIT	1442320	14.12	975656	18.30	1063102	20.21
	LOWER LIMIT	360580	13.12	243914	17.30	265776	19.21
	STLVT SAMPLE NO.						
01	TS10048	646739	13.62	617212	17.79	658833	19.70
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10048

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL482

Phase Type: SOIL Lab Sample ID: 811393

Phase Weight: 10.47 (g) Date Received: 10/23/09

Injection Volume: 1.0 (uL) Date Extracted: 10/30/09

Dilution Factor: 1.0 Date Analyzed: 11/10/09

% Solids: 71 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	67	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	67	U
53469-21-9	Aroclor-1242	67	U
12672-29-6	Aroclor-1248	67	U
11097-69-1	Aroclor-1254	67	U
11096-82-5	Aroclor-1260	67	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK130B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL482

Phase Type: SOIL Lab Sample ID: PBLK130B

Phase Weight: 10.98 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 10/30/09

Dilution Factor: 1.0 Date Analyzed: 11/10/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	46	U
11096-82-5	Aroclor-1260	46	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS130B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL482

Phase Type: SOIL Lab Sample ID: PLCS130B

Phase Weight: 10.97 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 10/30/09

Dilution Factor: 1.0 Date Analyzed: 11/10/09

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	290	
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	300	
11096-82-5	Aroclor-1260	46	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL482

EPA SAMPLE NO.	TCX 1 % REC #	TCX 2 % REC #	DCB 1 % REC #	DCB 2 % REC #
PBLK130B	63	62	72	70
PLCS130B	68	66	70	68
TS10048	67	67	70	69

	Project Specific QC Limits
TCX = Tetrachloro-meta-Xylene	(60 - 150)
DCB = Decachlorobiphenyl	(60 - 150)

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL482

EPA SAMPLE NO.: PLCS130B

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	456	290	64	39-150
Aroclor 1254	456	303	66	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK130B	SDG:	KAL482
Matrix:	SOIL	Level:	LOW
Date Extracted:	10/30/09	Date Analyzed(2):	11/10/09
Date Analyzed(1):	11/10/09	Time Analyzed(2):	04:36
Time Analyzed(1):	04:36	GC ID(2):	HP2624
GC ID(1):	HP2624	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS130B	PLCS130B	11/10/09	11/10/09
811393	TS10048	11/10/09	11/10/09

2624_110309F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	3-Nov-09	17:35 to
GC:	HP-2624		4-Nov-09	7:01
Col. 1:	RTX-5			
Col. 2:	RTX-35	File:	49,50 03NOV091610	

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		48.7	99.9	200	398	803	
	Cal Fact	0.974	0.999	1.000	0.995	1.004	1.2
	% Diff	3	0	0	1	0	
Aroclor 1221		52.1	100	221	422	762	
	Cal Fact	1.042	1.000	1.105	1.055	0.953	5.6
	% Diff	-4	0	-11	-6	5	
Aroclor 1232		49.0	95.8	222	394	790	
	Cal Fact	0.980	0.958	1.110	0.985	0.988	6.0
	% Diff	2	4	-11	2	1	
Aroclor 1242		44.3	93.9	195	389	828	
	Cal Fact	0.886	0.939	0.975	0.973	1.035	5.7
	% Diff	11	6	3	3	-4	
Aroclor 1248		49.7	99.8	198	399	803	
	Cal Fact	0.994	0.998	0.990	0.998	1.004	0.5
	% Diff	1	0	1	0	0	
Aroclor 1254		50.3	103	205	403	789	
	Cal Fact	1.006	1.030	1.025	1.008	0.986	1.7
	% Diff	-1	-3	-3	-1	1	
Aroclor 1260		48.3	103	208	401	790	
	Cal Fact	0.966	1.030	1.040	1.003	0.988	3.0
	% Diff	3	-3	-4	0	1	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL482F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID:	STL-VT					
GC:	HP2624	Initial Calib.	49,50 03NOV091610			
Col. 1:	RTX-5	date/time:	11/3/2009	17:35	to	
Col. 2:	RTX-35		11/4/2009	7:01		

Check Standard File: 49,50 09NOV091529,27 — Date: 11/10/2009 Time: 1:50

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	201	0.5

Check Standard File: 49,50 09NOV091529,28 — Date: 11/10/2009 Time: 2:14

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	198	1.0

Check Standard File: 49,50 09NOV091955,10 — Date: 11/10/2009 Time: 6:11

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	197	1.5

Check Standard File: 49,50 09NOV091955,11 — Date: 11/10/2009 Time: 6:35

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	199	0.5

Check Standard File: — Date: Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File: — Date: Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL482
Initial Calib. Date: 03-NOV-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	3-Nov-2009 17:35	4.08	14.93	
AR1016 100ppb	AR1016 100	3-Nov-2009 17:59	4.07	14.92	
AR1016 200ppb	AR1016 200	3-Nov-2009 18:23	4.07	14.92	
AR1016 400ppb	AR1016 400	3-Nov-2009 18:47	4.08	14.93	
AR1016 800ppb	AR1016 800	3-Nov-2009 19:10	4.07	14.92	
AR1221 50ppb	AR1221 50	3-Nov-2009 19:34	4.07	14.92	
AR1221 100ppb	AR1221 100	3-Nov-2009 19:58	4.07	14.92	
AR1221 200ppb	AR1221 200	3-Nov-2009 20:21	4.07	14.92	
AR1221 400ppb	AR1221 400	3-Nov-2009 20:45	4.07	14.92	
AR1221 800ppb	AR1221 800	3-Nov-2009 21:09	4.08	14.93	
AR1232 50ppb	AR1232 50	3-Nov-2009 21:33	4.08	14.93	
AR1232 100ppb	AR1232 100	3-Nov-2009 21:56	4.07	14.92	
AR1232 200ppb	AR1232 200	3-Nov-2009 22:20	4.07	14.92	
AR1232 400ppb	AR1232 400	3-Nov-2009 22:44	4.08	14.93	
AR1232 800ppb	AR1232 800	3-Nov-2009 23:07	4.08	14.93	
AR1242 50ppb	AR1242 50	3-Nov-2009 23:31	4.08	14.93	
AR1242 100ppb	AR1242 100	3-Nov-2009 23:55	4.08	14.93	
AR1242 200ppb	AR1242 200	4-Nov-2009 00:19	4.06	14.91	
AR1242 400ppb	AR1242 400	4-Nov-2009 00:42	4.07	14.92	
AR1242 800ppb	AR1242 800	4-Nov-2009 01:06	4.08	14.93	
AR1248 50ppb	AR1248 50	4-Nov-2009 01:30	4.07	14.92	
AR1248 100ppb	AR1248 100	4-Nov-2009 01:53	4.07	14.92	
AR1248 200ppb	AR1248 200	4-Nov-2009 02:17	4.08	14.92	
AR1248 400ppb	AR1248 400	4-Nov-2009 02:41	4.07	14.92	
AR1248 800ppb	AR1248 800	4-Nov-2009 03:04	4.08	14.93	
AR1254 50ppb	AR1254 50	4-Nov-2009 03:28	4.07	14.92	
AR1254 100ppb	AR1254 100	4-Nov-2009 03:52	4.07	14.92	
AR1254 200ppb	AR1254 200	4-Nov-2009 04:16	4.06	14.91	
AR1254 400ppb	AR1254 400	4-Nov-2009 04:39	4.08	14.93	
AR1254 800ppb	AR1254 800	4-Nov-2009 05:03	4.07	14.92	
AR1260 50ppb	AR1260 50	4-Nov-2009 05:27	4.07	14.92	
AR1260 100ppb	AR1260 100	4-Nov-2009 05:50	4.07	14.92	
AR1260 200ppb	AR1260 200	4-Nov-2009 06:14	4.07	14.92	
AR1260 400ppb	AR1260 400	4-Nov-2009 06:38	4.07	14.92	
AR1260 800ppb	AR1260 800	4-Nov-2009 07:01	4.06	14.91	
AR1248 200	AR1248 200	10-Nov-2009 01:50	4.07	14.92	
AR1260 200	AR1260 200	10-Nov-2009 02:14	4.07	14.92	
PBLK130B	PBLK130B	10-Nov-2009 04:36	4.07	14.92	
PLCS130B	PLCS130B	10-Nov-2009 05:00	4.06	14.91	
811393	TS10048	10-Nov-2009 05:24	4.06	14.90	
AR1248 200	AR1248 200	10-Nov-2009 06:11	4.06	14.91	
AR1242 200	AR1242 200	10-Nov-2009 06:35	4.07	14.91	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.07	TCX:Tetrachloro-meta-xylene	(▪ 0.04 minutes)
DCB: 14.92	DCB:Decachlorobiphenyl	(▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL482
Initial Calib. Date: 03-NOV-09

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	3-Nov-2009 17:35	4.56	16.07	
AR1016 100ppb	AR1016 100	3-Nov-2009 17:59	4.54	16.05	
AR1016 200ppb	AR1016 200	3-Nov-2009 18:23	4.57	16.08	
AR1016 400ppb	AR1016 400	3-Nov-2009 18:47	4.56	16.06	
AR1016 800ppb	AR1016 800	3-Nov-2009 19:10	4.55	16.06	
AR1221 50ppb	AR1221 50	3-Nov-2009 19:34	4.55	16.06	
AR1221 100ppb	AR1221 100	3-Nov-2009 19:58	4.56	16.07	
AR1221 200ppb	AR1221 200	3-Nov-2009 20:21	4.54	16.06	
AR1221 400ppb	AR1221 400	3-Nov-2009 20:45	4.56	16.07	
AR1221 800ppb	AR1221 800	3-Nov-2009 21:09	4.55	16.06	
AR1232 50ppb	AR1232 50	3-Nov-2009 21:33	4.56	16.08	
AR1232 100ppb	AR1232 100	3-Nov-2009 21:56	4.55	16.06	
AR1232 200ppb	AR1232 200	3-Nov-2009 22:20	4.55	16.06	
AR1232 400ppb	AR1232 400	3-Nov-2009 22:44	4.57	16.08	
AR1232 800ppb	AR1232 800	3-Nov-2009 23:07	4.56	16.07	
AR1242 50ppb	AR1242 50	3-Nov-2009 23:31	4.55	16.06	
AR1242 100ppb	AR1242 100	3-Nov-2009 23:55	4.56	16.07	
AR1242 200ppb	AR1242 200	4-Nov-2009 00:19	4.55	16.06	
AR1242 400ppb	AR1242 400	4-Nov-2009 00:42	4.55	16.06	
AR1242 800ppb	AR1242 800	4-Nov-2009 01:06	4.55	16.06	
AR1248 50ppb	AR1248 50	4-Nov-2009 01:30	4.57	16.08	
AR1248 100ppb	AR1248 100	4-Nov-2009 01:53	4.55	16.06	
AR1248 200ppb	AR1248 200	4-Nov-2009 02:17	4.55	16.06	
AR1248 400ppb	AR1248 400	4-Nov-2009 02:41	4.56	16.06	
AR1248 800ppb	AR1248 800	4-Nov-2009 03:04	4.56	16.07	
AR1254 50ppb	AR1254 50	4-Nov-2009 03:28	4.55	16.06	
AR1254 100ppb	AR1254 100	4-Nov-2009 03:52	4.55	16.06	
AR1254 200ppb	AR1254 200	4-Nov-2009 04:16	4.54	16.05	
AR1254 400ppb	AR1254 400	4-Nov-2009 04:39	4.55	16.06	
AR1254 800ppb	AR1254 800	4-Nov-2009 05:03	4.56	16.06	
AR1260 50ppb	AR1260 50	4-Nov-2009 05:27	4.55	16.06	
AR1260 100ppb	AR1260 100	4-Nov-2009 05:50	4.55	16.06	
AR1260 200ppb	AR1260 200	4-Nov-2009 06:14	4.55	16.06	
AR1260 400ppb	AR1260 400	4-Nov-2009 06:38	4.56	16.06	
AR1260 800ppb	AR1260 800	4-Nov-2009 07:01	4.54	16.04	
AR1248 200	AR1248 200	10-Nov-2009 01:50	4.55	16.05	
AR1260 200	AR1260 200	10-Nov-2009 02:14	4.55	16.05	
PBLK130B	PBLK130B	10-Nov-2009 04:36	4.55	16.05	
PLCS130B	PLCS130B	10-Nov-2009 05:00	4.54	16.04	
811393	TS10048	10-Nov-2009 05:24	4.54	16.04	
AR1248 200	AR1248 200	10-Nov-2009 06:11	4.55	16.05	
AR1242 200	AR1242 200	10-Nov-2009 06:35	4.56	16.06	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.55 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 16.06 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: 811393

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 28NOV091119-R101

% Moisture: 29 decanted: (Y/N) N Date Received: 10/23/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 11/29/09

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	48	U
319-85-7	beta-BHC	48	U
319-86-8	delta-BHC	48	U
58-89-9	gamma-BHC (Lindane)	48	U
76-44-8	Heptachlor	48	U
309-00-2	Aldrin	48	U
1024-57-3	Heptachlor epoxide	48	U
959-98-8	Endosulfan I	48	U
60-57-1	Dieldrin	560	
72-55-9	4,4'-DDE	300	
72-20-8	Endrin	96	U
33213-65-9	Endosulfan II	96	U
72-54-8	4,4'-DDD	150	
1031-07-8	Endosulfan sulfate	120	
50-29-3	4,4'-DDT	770	
72-43-5	Methoxychlor	480	U
53494-70-5	Endrin ketone	96	U
7421-93-4	Endrin aldehyde	96	U
57-74-9	Chlordane	480	U
8001-35-2	Toxaphene	4800	U
5103-74-2	gamma-Chlordane	48	U
5103-71-9	alpha-Chlordane	48	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK103009A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: MBLK103009A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 28NOV091119-R081

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 11/29/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	1.6	U
5103-71-9	alpha-Chlordane	1.6	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix: (soil/water) SOIL Lab Sample ID: A103009LCS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: 28NOV091119-R091

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/30/09

Concentrated Extract Volume: 10(mL) Date Analyzed: 11/29/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.1	
319-85-7	beta-BHC	4.4	
319-86-8	delta-BHC	4.3	
58-89-9	gamma-BHC (Lindane)	4.3	
76-44-8	Heptachlor	4.4	
309-00-2	Aldrin	4.2	
1024-57-3	Heptachlor epoxide	4.1	
959-98-8	Endosulfan I	4.2	
60-57-1	Dieldrin	8.8	
72-55-9	4,4'-DDE	8.9	
72-20-8	Endrin	8.8	
33213-65-9	Endosulfan II	8.8	
72-54-8	4,4'-DDD	9.0	
1031-07-8	Endosulfan sulfate	8.4	
50-29-3	4,4'-DDT	9.0	
72-43-5	Methoxychlor	46	
53494-70-5	Endrin ketone	8.9	
7421-93-4	Endrin aldehyde	7.7	
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	4.2	
5103-71-9	alpha-Chlordane	4.5	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK103009A	78	78	75	81			0
02	A103009LCS	59	59	56*	62			1
03	TS10048	50D	60	53D	76			0
04								
05								
06								
07								
08								
09								
10								
11								
12								
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16								
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24								
25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Matrix Spike - Sample No.: A103009LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.6		4.1	62	55-130
beta-BHC	6.6		4.4	67	60-130
delta-BHC	6.6		4.3	65	50-135
gamma-BHC (Lindane)	6.6		4.3	65	55-135
Heptachlor	6.6		4.4	67	60-135
Aldrin	6.6		4.2	64	55-135
Heptachlor epoxide	6.6		4.1	62	60-130
Endosulfan I	6.6		4.2	64	55-125
Dieldrin	13		8.8	68	60-145
4,4'-DDE	13		8.9	68	60-145
Endrin	13		8.8	68	60-145
Endosulfan II	13		8.8	68	55-125
4,4'-DDD	13		9.0	69	60-145
Endosulfan sulfate	13		8.4	65	40-140
4,4'-DDT	13		9.0	69	60-155
Methoxychlor	66		46	70	65-145
Endrin ketone	13		8.9	68	65-145
Endrin aldehyde	13		7.7	59	15-110
gamma-Chlordane	6.6		4.2	64	60-140
alpha-Chlordane	6.6		4.5	68	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS:

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK103009A

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: MBLK103009A Lab File ID: 28NOV091119-R081

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 10/30/09

Date Analyzed (1): 11/29/09 Date Analyzed (2): 11/29/09

Time Analyzed (1): 1809 Time Analyzed (2): 1809

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	A103009LCS	A103009LCS	11/29/09	11/29/09
02	TS10048	811393	11/29/09	11/29/09
03				
04				
05				
06				
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22				
23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_2 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1245 1602

LAB FILE ID: RF1: 28NOV091116-RRF2: 28NOV091116-RRF3: 28NOV091116-R
RF4: 28NOV091116-RRF5: 28NOV091116-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	342.000	354.900	382.600	395.450	419.125
beta-BHC	163.600	152.000	152.450	144.375	144.288
delta-BHC	317.600	326.300	350.350	362.300	376.312
gamma-BHC (Lindane)	336.000	334.600	358.200	369.525	379.712
Heptachlor	308.400	298.900	318.450	327.950	340.575
Aldrin	320.800	310.100	334.800	335.725	355.700
Heptachlor epoxide	324.400	300.200	329.700	320.675	336.275
Endosulfan I	305.600	286.000	302.350	299.975	306.938
Dieldrin	297.300	298.050	327.775	323.912	331.631
4,4'-DDE	292.800	295.350	333.125	319.650	331.288
Endrin	252.300	247.500	279.550	271.338	280.438
Endosulfan II	269.800	262.500	278.100	280.112	284.112
4,4'-DDD	238.900	231.400	265.175	252.250	261.606
Endosulfan sulfate	238.400	230.750	255.575	242.288	253.050
4,4'-DDT	238.200	230.100	273.650	260.688	274.038
Methoxychlor	135.040	129.580	143.265	131.890	127.284
Endrin ketone	303.400	289.850	324.950	309.388	314.412
Endrin aldehyde	206.900	204.950	220.850	211.550	225.344
Chlordane	6.800	6.250	6.740	6.482	6.952
(2)	36.580	34.980	37.760	38.430	41.508
(3)	29.060	27.260	28.875	29.065	31.035
(4)	31.480	30.060	31.605	31.965	33.975
(5)	11.940	11.250	11.670	11.522	12.654
Toxaphene	4.236	3.977	4.486	4.448	4.680
(2)	3.710	3.352	3.822	3.662	3.920
(3)	4.476	4.206	4.970	4.836	5.136
(4)	4.054	3.728	4.524	4.436	4.625
(5)	4.442	4.020	4.769	4.718	4.963
Mirex	142.400	120.650	120.500	107.250	106.356
gamma-Chlordane	325.600	304.900	330.300	330.375	340.975
alpha-Chlordane	299.600	273.800	293.750	286.800	296.225
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	215.400	206.700	207.550	207.275	210.288
Decachlorobiphenyl	306.800	266.400	266.550	241.700	246.438

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_2 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 1245 1602

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	378.815000	8.182	20.000	
beta-BHC	AVRG	151.342500	5.226	20.000	
delta-BHC	AVRG	346.572500	7.062	20.000	
gamma-BHC (Lindane)	AVRG	355.607500	5.637	20.000	
Heptachlor	AVRG	318.855000	5.110	20.000	
Aldrin	AVRG	331.425000	5.197	20.000	
Heptachlor epoxide	AVRG	322.250000	4.236	20.000	
Endosulfan I	AVRG	300.172500	2.792	20.000	
Dieldrin	AVRG	315.733750	5.293	20.000	
4,4'-DDE	AVRG	314.442500	6.144	20.000	
Endrin	AVRG	266.225000	5.789	20.000	
Endosulfan II	AVRG	274.925000	3.161	20.000	
4,4'-DDD	AVRG	249.866250	5.797	20.000	
Endosulfan sulfate	AVRG	244.012500	4.228	20.000	
4,4'-DDT	AVRG	255.335000	7.940	20.000	
Methoxychlor	AVRG	133.411750	4.655	20.000	
Endrin ketone	AVRG	308.400000	4.228	20.000	
Endrin aldehyde	AVRG	213.918750	4.141	20.000	
Chlordane	AVRG	6.64500000	4.190	20.000	
(2)	AVRG	37.8515000	6.413	20.000	
(3)	AVRG	29.0590000	4.609	20.000	
(4)	AVRG	31.8170000	4.424	20.000	
(5)	AVRG	11.8072500	4.530	20.000	
Toxaphene	AVRG	4.36545000	6.147	20.000	
(2)	AVRG	3.69315000	5.832	20.000	
(3)	AVRG	4.72475000	8.007	20.000	
(4)	AVRG	4.27345000	8.744	20.000	
(5)	AVRG	4.58235000	7.973	20.000	
Mirex	AVRG	119.431250	12.202	20.000	
gamma-Chlordane	AVRG	326.430000	4.071	20.000	
alpha-Chlordane	AVRG	290.035000	3.523	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	209.442500	1.722	20.000	
Decachlorobiphenyl	AVRG	265.577500	9.669	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_1 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1245 1602

LAB FILE ID: RF1: 28NOV091116-RRF2: 28NOV091116-RRF3: 28NOV091116-R
RF4: 28NOV091116-RRF5: 28NOV091116-R

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	365.000	354.800	408.100	421.825	450.338
beta-BHC	183.800	176.300	177.950	179.650	186.700
delta-BHC	389.800	406.800	463.550	494.625	517.112
gamma-BHC (Lindane)	407.800	423.000	462.250	483.350	515.038
Heptachlor	388.400	406.200	445.800	464.025	492.188
Aldrin	391.000	405.600	444.300	469.350	492.238
Heptachlor epoxide	377.800	396.100	440.200	446.525	473.438
Endosulfan I	356.800	364.100	395.950	403.525	420.088
Dieldrin	373.700	399.900	454.150	463.012	451.931
4,4'-DDE	367.300	399.100	449.350	446.912	458.038
Endrin	306.500	323.800	382.825	382.900	390.181
Endosulfan II	321.300	339.950	378.450	370.000	372.450
4,4'-DDD	304.400	318.950	363.700	373.275	371.306
Endosulfan sulfate	286.700	308.200	354.750	341.988	361.775
4,4'-DDT	311.800	325.400	397.800	387.912	397.044
Methoxychlor	179.180	187.150	210.600	183.715	174.526
Endrin ketone	363.400	395.900	458.525	432.262	441.631
Endrin aldehyde	247.800	257.650	309.650	298.350	313.350
Chlordane	8.080	7.810	8.260	8.050	8.765
(2)	40.680	40.570	45.085	45.845	50.189
(3)	39.240	38.560	41.965	43.420	46.578
(4)	8.000	7.800	7.940	7.975	8.821
(5)	14.920	14.380	15.715	15.625	18.691
Toxaphene	2.736	2.701	3.074	3.110	3.428
(2)	7.752	7.578	8.980	9.204	9.653
(3)	5.590	5.400	6.453	6.493	7.046
(4)	5.812	5.504	6.952	6.742	7.374
(5)	7.024	6.523	7.996	7.811	8.558
Mirex	152.400	144.150	155.525	138.488	147.000
gamma-Chlordane	378.000	391.800	433.450	440.850	462.912
alpha-Chlordane	340.200	348.100	381.700	383.150	396.738
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	224.200	212.400	223.950	228.775	234.738
Decachlorobiphenyl	383.000	388.800	392.900	379.575	406.812

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_1 Calibration Date(s): 11/29/09 11/29/09

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 1245 1602

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	400.012500	9.956	20.000	
beta-BHC	AVRG	180.880000	2.369	20.000	
delta-BHC	AVRG	454.377500	12.091	20.000	
gamma-BHC (Lindane)	AVRG	458.287500	9.548	20.000	
Heptachlor	AVRG	439.322500	9.615	20.000	
Aldrin	AVRG	440.497500	9.626	20.000	
Heptachlor epoxide	AVRG	426.812500	9.140	20.000	
Endosulfan I	AVRG	388.092500	6.912	20.000	
Dieldrin	AVRG	428.538750	9.201	20.000	
4,4'-DDE	AVRG	424.140000	9.253	20.000	
Endrin	AVRG	357.241250	10.923	20.000	
Endosulfan II	AVRG	356.430000	6.917	20.000	
4,4'-DDD	AVRG	346.326250	9.311	20.000	
Endosulfan sulfate	AVRG	330.682500	9.698	20.000	
4,4'-DDT	AVRG	363.991250	11.510	20.000	
Methoxychlor	AVRG	187.034250	7.488	20.000	
Endrin ketone	AVRG	418.343750	9.159	20.000	
Endrin aldehyde	AVRG	285.360000	10.688	20.000	
Chlordane	AVRG	8.19300000	4.365	20.000	
(2)	AVRG	44.4737500	9.032	20.000	
(3)	AVRG	41.9525000	7.762	20.000	
(4)	AVRG	8.10725000	5.015	20.000	
(5)	AVRG	15.8662500	10.530	20.000	
Toxaphene	AVRG	3.00980000	9.963	20.000	
(2)	AVRG	8.63330000	10.640	20.000	
(3)	AVRG	6.19635000	11.055	20.000	
(4)	AVRG	6.47682500	12.180	20.000	
(5)	AVRG	7.58220000	10.649	20.000	
Mirex	AVRG	147.512500	4.562	20.000	
gamma-Chlordane	AVRG	421.402500	8.395	20.000	
alpha-Chlordane	AVRG	369.977500	6.610	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	224.812500	3.650	20.000	
Decachlorobiphenyl	AVRG	390.217500	2.718	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_1 Calibration Date: 11/29/09 Time: 1906

Lab File ID: 28NOV091119-R1 Init. Calib. Date(s): 11/29/09 11/29/09

Init. Calib. Times: 1245 1342

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	400.013	422.350		5.6	15.0
beta-BHC	180.880	182.200		0.7	15.0
delta-BHC	454.377	471.650		3.8	15.0
gamma-BHC (Lindane)	458.288	470.350		2.6	15.0
Heptachlor	439.323	438.200		0.2	15.0
Aldrin	440.498	439.100		0.3	15.0
Heptachlor epoxide	426.813	419.950		1.6	15.0
Endosulfan I	388.093	380.100		2.0	15.0
Dieldrin	428.539	422.050		1.5	15.0
4,4'-DDE	424.140	426.175		0.5	15.0
Endrin	357.241	347.925		2.6	15.0
Endosulfan II	356.430	346.850		2.7	15.0
4,4'-DDD	346.326	340.675		1.6	15.0
Endosulfan sulfate	330.683	303.800		8.1	15.0
4,4'-DDT	363.991	341.450		6.2	15.0
Methoxychlor	187.034	176.645		5.6	15.0
Endrin ketone	418.344	390.225		6.7	15.0
Endrin aldehyde	285.360	269.050		5.7	15.0
Mirex	147.513	133.450		9.5	15.0
gamma-Chlordane	421.402	410.250		2.6	15.0
alpha-Chlordane	369.978	360.000		2.7	15.0
Tetrachloro-m-xylene	224.813	233.150		3.7	15.0
Decachlorobiphenyl	390.217	345.550		11.4	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Instrument ID: 0825_2 Calibration Date: 11/29/09 Time: 1906

Lab File ID: 28NOV091119-R1 Init. Calib. Date(s): 11/29/09 11/29/09

Init. Calib. Times: 1245 1342

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	378.815	388.550		2.6	15.0
beta-BHC	151.343	152.850		1.0	15.0
delta-BHC	346.572	356.250		2.8	15.0
gamma-BHC (Lindane)	355.607	364.750		2.6	15.0
Heptachlor	318.855	325.800		2.2	15.0
Aldrin	331.425	336.450		1.5	15.0
Heptachlor epoxide	322.250	330.300		2.5	15.0
Endosulfan I	300.173	309.950		3.2	15.0
Dieldrin	315.734	332.025		5.2	15.0
4,4'-DDE	314.443	335.350		6.6	15.0
Endrin	266.225	272.550		2.4	15.0
Endosulfan II	274.925	288.450		4.9	15.0
4,4'-DDD	249.866	262.950		5.2	15.0
Endosulfan sulfate	244.013	251.175		2.9	15.0
4,4'-DDT	255.335	267.275		4.7	15.0
Methoxychlor	133.412	141.725		6.2	15.0
Endrin ketone	308.400	311.475		1.0	15.0
Endrin aldehyde	213.919	220.925		3.3	15.0
Mirex	119.431	119.675		0.2	15.0
gamma-Chlordane	326.430	335.100		2.6	15.0
alpha-Chlordane	290.035	297.250		2.5	15.0
Tetrachloro-m-xylene	209.443	213.600		2.0	15.0
Decachlorobiphenyl	265.578	263.600		0.7	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 11/29/09 11/29/09

Instrument ID: 0825_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.73 DCB: 7.95

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	11/29/09	1231	2.73	7.95
02	INDA_B-1	INDA_B-1	11/29/09	1245	2.73	7.95
03	INDA_B-2	INDA_B-2	11/29/09	1259	2.73	7.95
04	INDA_B-3	INDA_B-3	11/29/09	1313	2.73	7.95
05	INDA_B-4	INDA_B-4	11/29/09	1327	2.73	7.94
06	INDA_B-5	INDA_B-5	11/29/09	1342	2.73	7.95
07	TOX 500PPB	TOX 500PPB	11/29/09	1356	2.73	7.95
08	TOX 1000PPB	TOX 1000PPB	11/29/09	1410	2.73	7.95
09	TOX 2000PPB	TOX 2000PPB	11/29/09	1424	2.73	7.94
10	TOX 4000PPB	TOX 4000PPB	11/29/09	1438	2.73	7.95
11	TOX 8000PPB	TOX 8000PPB	11/29/09	1452	2.73	7.94
12	T-CHLOR 50	T-CHLOR 50	11/29/09	1506	2.73	7.95
13	T-CHLOR 100	T-CHLOR 100	11/29/09	1520	2.73	7.95
14	T-CHLOR 200	T-CHLOR 200	11/29/09	1534	2.73	7.95
15	T-CHLOR 400	T-CHLOR 400	11/29/09	1548	2.73	7.95
16	T-CHLOR 800	T-CHLOR 800	11/29/09	1602	2.73	7.95
17	INDABICV	INDABICV	11/29/09	1617	2.73	7.95
18	MBLK103009A	MBLK103009A	11/29/09	1809	2.73	7.95
19	A103009LCS	A103009LCS	11/29/09	1823	2.73	7.95
20	TS10048	811393	11/29/09	1838	2.73	7.95
21	BCS	BCS	11/29/09	1852	2.73	7.95
22	INDA_B-3	INDA_B-3	11/29/09	1906	2.73	7.95
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl	(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 11/29/09 11/29/09

Instrument ID: 0825_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.93 DCB: 8.86

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	11/29/09	1231	2.95	8.88
02	INDA_B-1	INDA_B-1	11/29/09	1245	2.93	8.86
03	INDA_B-2	INDA_B-2	11/29/09	1259	2.93	8.87
04	INDA_B-3	INDA_B-3	11/29/09	1313	2.93	8.86
05	INDA_B-4	INDA_B-4	11/29/09	1327	2.94	8.87
06	INDA_B-5	INDA_B-5	11/29/09	1342	2.94	8.87
07	TOX 500PPB	TOX 500PPB	11/29/09	1356	2.95	8.88
08	TOX 1000PPB	TOX 1000PPB	11/29/09	1410	2.93	8.87
09	TOX 2000PPB	TOX 2000PPB	11/29/09	1424	2.94	8.87
10	TOX 4000PPB	TOX 4000PPB	11/29/09	1438	2.94	8.88
11	TOX 8000PPB	TOX 8000PPB	11/29/09	1452	2.95	8.88
12	T-CHLOR 50	T-CHLOR 50	11/29/09	1506	2.94	8.87
13	T-CHLOR 100	T-CHLOR 100	11/29/09	1520	2.94	8.87
14	T-CHLOR 200	T-CHLOR 200	11/29/09	1534	2.94	8.87
15	T-CHLOR 400	T-CHLOR 400	11/29/09	1548	2.94	8.87
16	T-CHLOR 800	T-CHLOR 800	11/29/09	1602	2.95	8.88
17	INDABICV	INDABICV	11/29/09	1617	2.94	8.87
18	MBLK103009A	MBLK103009A	11/29/09	1809	2.95	8.88
19	A103009LCS	A103009LCS	11/29/09	1823	2.94	8.87
20	TS10048	811393	11/29/09	1838	2.94	8.88
21	BCS	BCS	11/29/09	1852	2.95	8.88
22	INDA_B-3	INDA_B-3	11/29/09	1906	2.95	8.88
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10048

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: 811393 Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	5.28	5.23	5.33	530	
	2	5.74	5.68	5.78	560	5.5
4,4'-DDE	1	4.98	4.93	5.03	280	
	2	5.55	5.49	5.59	300	6.9
4,4'-DDD	1	5.56	5.51	5.61	130	
	2	6.14	6.08	6.18	150	14
Endosulfan sulfate	1	6.60	6.55	6.65	110	
	2	6.92	6.86	6.96	120	8.7
4,4'-DDT	1	5.84	5.79	5.89	710	
	2	6.48	6.42	6.52	770	8.1
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: A103009LCS Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	3.20	3.15	3.25	4.0	
	2	3.47	3.41	3.51	4.1	2.5
beta-BHC	1	3.54	3.49	3.59	4.3	
	2	3.85	3.79	3.89	4.4	2.3
delta-BHC	1	3.69	3.64	3.74	4.1	
	2	4.13	4.07	4.17	4.3	4.8
gamma-BHC (Lindane)	1	3.47	3.42	3.52	4.2	
	2	3.79	3.73	3.83	4.3	2.4
Heptachlor	1	3.87	3.82	3.92	4.3	
	2	4.21	4.15	4.25	4.4	2.3
Aldrin	1	4.14	4.09	4.19	4.0	
	2	4.52	4.46	4.56	4.2	4.9
Heptachlor epoxide	1	4.69	4.63	4.73	3.9	
	2	5.07	5.01	5.11	4.1	5.0
Endosulfan I	1	5.06	5.01	5.11	4.1	
	2	5.46	5.41	5.51	4.2	2.4

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: A103009LCS Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	5.29	5.23	5.33	8.4	
	2	5.74	5.68	5.78	8.8	4.7
4,4'-DDE	1	4.99	4.93	5.03	8.7	
	2	5.55	5.49	5.59	8.9	2.3
Endrin	1	5.51	5.46	5.56	8.5	
	2	6.06	6.00	6.10	8.8	3.5
Endosulfan II	1	5.73	5.68	5.78	8.2	
	2	6.27	6.21	6.31	8.8	7.1
4,4'-DDD	1	5.56	5.51	5.61	8.4	
	2	6.14	6.08	6.18	9.0	6.9
Endosulfan sulfate	1	6.60	6.55	6.65	7.4	
	2	6.92	6.86	6.96	8.4	13
4,4'-DDT	1	5.84	5.79	5.89	8.1	
	2	6.47	6.42	6.52	9.0	11
Methoxychlor	1	6.33	6.27	6.37	43	
	2	7.20	7.14	7.24	46	6.7

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

A103009LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL482

Lab Sample ID: A103009LCS Date(s) Analyzed: 11/29/09 11/29/09

Instrument ID (1): 0825_1 Instrument ID (2): 0825_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	6.89	6.84	6.94	7.9	
	2	7.50	7.44	7.54	8.9	12
Endrin aldehyde	1	6.15	6.10	6.20	6.3	
	2	6.62	6.56	6.66	7.7	20
gamma-Chlordane	1	4.80	4.75	4.85	4.0	
	2	5.25	5.19	5.29	4.2	4.9
alpha-Chlordane	1	4.93	4.87	4.97	4.4	
	2	5.40	5.34	5.44	4.5	2.2
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

Subcontract Data

ANALYTICAL REPORT

Job Number: 500-22142-1

Job Description: TAL Burlington Workshare - KAL482

For:
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Attention: Mr. Jim Madison

Approved for release.
Eric A. Lang
Project Manager II
11/10/2009 1:11 PM

Eric A. Lang
Project Manager II
eric.lang@testamericainc.com
11/10/2009

cc: Rayburn Lavigne

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-22142-1	TS10048	Solid	10/22/2009 0930	10/29/2009 1030

EXECUTIVE SUMMARY - Detections

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-22142-1	**TS10048**				
Percent Moisture		30	0.10	%	Moisture
Percent Solids		70	0.10	%	Moisture

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CHI	SW846 8260B	
Purge and Trap	TAL CHI		SW846 5030B
Percent Moisture	TAL CHI	EPA Moisture	

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Method	Analyst	Analyst ID
SW846 8260B	Werner, Brian D	BDW
EPA Moisture	Boyd, Cheryl L	CLB

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Client Sample ID: **TS10048**

Lab Sample ID: 500-22142-1 Date Sampled: 10/22/2009 0930
Client Matrix: Solid % Moisture: 29.6 Date Received: 10/29/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 500-74762 Instrument ID: MS16
Preparation: 5030B Lab File ID: 22142-01.D
Dilution: 1.0 Initial Weight/Volume: 5 g
Date Analyzed: 10/30/2009 1125 Final Weight/Volume: 5 mL
Date Prepared: 10/30/2009 1125

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		<7.1		2.1	7.1
Chloromethane		<7.1		1.4	7.1
Vinyl chloride		<7.1		0.71	7.1
Bromomethane		<7.1		1.9	7.1
Chloroethane		<7.1		1.2	7.1
Trichlorofluoromethane		<7.1		0.81	7.1
1,1-Dichloroethene		<7.1		1.2	7.1
Freon TF		<7.1		1.2	7.1
Acetone		<7.1		2.5	7.1
Carbon disulfide		<7.1		1.1	7.1
Methylene Chloride		<7.1		2.7	7.1
trans-1,2-Dichloroethene		<7.1		1.1	7.1
Methyl tert-butyl ether		<7.1		1.2	7.1
1,1-Dichloroethane		<7.1		0.97	7.1
cis-1,2-Dichloroethene		<7.1		1.1	7.1
2-Butanone		<7.1		1.6	7.1
Bromochloromethane		<7.1		1.3	7.1
Chloroform		<7.1		1.1	7.1
1,1,1-Trichloroethane		<7.1		0.89	7.1
Carbon tetrachloride		<7.1		0.87	7.1
Benzene		<7.1		1.1	7.1
1,2-Dichloroethane		<7.1		1.2	7.1
Trichloroethene		<7.1		0.80	7.1
1,2-Dichloropropane		<7.1		1.0	7.1
Bromodichloromethane		<7.1		1.0	7.1
cis-1,3-Dichloropropene		<7.1		0.98	7.1
4-Methyl-2-pentanone (MIBK)		<7.1		0.74	7.1
Toluene		<7.1		0.99	7.1
trans-1,3-Dichloropropene		<7.1		0.87	7.1
1,1,2-Trichloroethane		<7.1		1.1	7.1
Tetrachloroethene		<7.1		1.2	7.1
2-Hexanone		<7.1		1.0	7.1
Dibromochloromethane		<7.1		0.81	7.1
1,2-Dibromoethane		<7.1		0.85	7.1
Chlorobenzene		<7.1		1.0	7.1
Ethylbenzene		<7.1		1.0	7.1
Xylenes, Total		<14		1.9	14
Styrene		<7.1		0.82	7.1
Bromoform		<7.1		1.1	7.1
Isopropylbenzene		<7.1		0.99	7.1
1,1,2,2-Tetrachloroethane		<7.1		0.99	7.1
1,3-Dichlorobenzene		<7.1		1.2	7.1
1,4-Dichlorobenzene		<7.1		0.95	7.1
1,2-Dichlorobenzene		<7.1		0.95	7.1
1,2-Dibromo-3-Chloropropane		<7.1		2.1	7.1
1,2,4-Trichlorobenzene		<7.1		2.2	7.1

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Client Sample ID: **TS10048**

Lab Sample ID: 500-22142-1 Date Sampled: 10/22/2009 0930
Client Matrix: Solid % Moisture: 29.6 Date Received: 10/29/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 500-74762 Instrument ID: MS16
Preparation: 5030B Lab File ID: 22142-01.D
Dilution: 1.0 Initial Weight/Volume: 5 g
Date Analyzed: 10/30/2009 1125 Final Weight/Volume: 5 mL
Date Prepared: 10/30/2009 1125

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,2,3-Trichlorobenzene		<7.1		1.2	7.1

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		75 - 140
Toluene-d8 (Surr)	101		75 - 132
4-Bromofluorobenzene (Surr)	97		75 - 122
Dibromofluoromethane	118		75 - 140

General Chemistry

Client Sample ID: **TS10048**

Lab Sample ID: 500-22142-1 Date Sampled: 10/22/2009 0930
Client Matrix: Solid Date Received: 10/29/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-75014	Date Analyzed: 11/04/2009 2317						DryWt Corrected: N
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 500-75014	Date Analyzed: 11/04/2009 2317						DryWt Corrected: N

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
500-22142-1	TS10048	118	118	101	97
MB 500-74762/5		115	114	104	102
LCS 500-74762/6		111	103	105	113
LCSD 500-74762/7		107	103	104	108

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	75-140
DCA = 1,2-Dichloroethane-d4 (Surr)	75-140
TOL = Toluene-d8 (Surr)	75-132
BFB = 4-Bromofluorobenzene (Surr)	75-122

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Method Blank - Batch: 500-74762

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-74762/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0847
Date Prepared: 10/30/2009 0847

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N M
Lab File ID: 16M1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	<5.0		1.5	5.0
Chloromethane	<5.0		1.0	5.0
Vinyl chloride	<5.0		0.50	5.0
Bromomethane	<5.0		1.3	5.0
Chloroethane	<5.0		0.87	5.0
Trichlorofluoromethane	<5.0		0.57	5.0
1,1-Dichloroethene	<5.0		0.86	5.0
Freon TF	<5.0		0.82	5.0
Acetone	<5.0		1.8	5.0
Carbon disulfide	<5.0		0.74	5.0
Methylene Chloride	<5.0		1.9	5.0
trans-1,2-Dichloroethene	<5.0		0.77	5.0
Methyl tert-butyl ether	<5.0		0.88	5.0
1,1-Dichloroethane	<5.0		0.68	5.0
cis-1,2-Dichloroethene	<5.0		0.78	5.0
2-Butanone	<5.0		1.2	5.0
Bromochloromethane	<5.0		0.95	5.0
Chloroform	<5.0		0.78	5.0
1,1,1-Trichloroethane	<5.0		0.63	5.0
Carbon tetrachloride	<5.0		0.61	5.0
Benzene	<5.0		0.74	5.0
1,2-Dichloroethane	<5.0		0.88	5.0
Trichloroethene	<5.0		0.56	5.0
1,2-Dichloropropane	<5.0		0.72	5.0
Bromodichloromethane	<5.0		0.71	5.0
cis-1,3-Dichloropropene	<5.0		0.69	5.0
4-Methyl-2-pentanone (MIBK)	<5.0		0.52	5.0
Toluene	<5.0		0.70	5.0
trans-1,3-Dichloropropene	<5.0		0.61	5.0
1,1,2-Trichloroethane	<5.0		0.79	5.0
Tetrachloroethene	<5.0		0.88	5.0
2-Hexanone	<5.0		0.73	5.0
Dibromochloromethane	<5.0		0.57	5.0
1,2-Dibromoethane	<5.0		0.60	5.0
Chlorobenzene	<5.0		0.72	5.0
Ethylbenzene	<5.0		0.72	5.0
Xylenes, Total	<10		1.4	10
Styrene	<5.0		0.58	5.0
Bromoform	<5.0		0.74	5.0
Isopropylbenzene	<5.0		0.70	5.0
1,1,2,2-Tetrachloroethane	<5.0		0.70	5.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Method Blank - Batch: 500-74762

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-74762/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0847
Date Prepared: 10/30/2009 0847

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N M
Lab File ID: 16M1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,3-Dichlorobenzene	<5.0		0.81	5.0
1,4-Dichlorobenzene	<5.0		0.67	5.0
1,2-Dichlorobenzene	<5.0		0.67	5.0
1,2-Dibromo-3-Chloropropane	<5.0		1.5	5.0
1,2,4-Trichlorobenzene	<5.0		1.5	5.0
1,2,3-Trichlorobenzene	<5.0		0.85	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	75 - 140
Toluene-d8 (Surr)	104	75 - 132
4-Bromofluorobenzene (Surr)	102	75 - 122
Dibromofluoromethane	115	75 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0913
Date Prepared: 10/30/2009 0913

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16S1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 500-74762/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 1338
Date Prepared: 10/30/2009 1338

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16T1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Dichlorodifluoromethane	87	86	43 - 164	1	30		
Chloromethane	99	98	44 - 120	0	30		
Vinyl chloride	83	85	53 - 140	2	30		
Bromomethane	101	102	40 - 154	1	30		
Chloroethane	89	112	48 - 131	22	30		
Trichlorofluoromethane	93	93	44 - 134	0	30		
1,1-Dichloroethene	65	68	53 - 123	5	30		
Freon TF	63	65	41 - 120	3	30		
Acetone	92	97	31 - 140	5	30		
Carbon disulfide	46	45	31 - 120	1	30		
Methylene Chloride	85	89	63 - 120	4	30		
trans-1,2-Dichloroethene	81	83	67 - 120	2	30		
Methyl tert-butyl ether	79	81	57 - 120	3	30		
1,1-Dichloroethane	88	90	69 - 120	2	30		
cis-1,2-Dichloroethene	86	89	75 - 120	3	30		
2-Butanone	97	102	51 - 120	5	30		
Bromochloromethane	79	83	69 - 120	5	30		
Chloroform	94	98	72 - 120	4	30		
1,1,1-Trichloroethane	86	88	65 - 120	2	30		
Carbon tetrachloride	81	80	66 - 120	1	30		
Benzene	86	90	73 - 120	5	30		
1,2-Dichloroethane	92	98	72 - 120	6	30		
Trichloroethene	89	91	76 - 120	3	30		
1,2-Dichloropropane	96	102	73 - 120	6	30		
Bromodichloromethane	89	92	77 - 120	4	30		
cis-1,3-Dichloropropene	84	86	69 - 120	3	30		
4-Methyl-2-pentanone (MIBK)	96	100	58 - 120	5	30		
Toluene	95	98	79 - 120	4	30		
trans-1,3-Dichloropropene	86	88	66 - 120	3	30		
1,1,2-Trichloroethane	102	109	76 - 120	7	30		
Tetrachloroethene	90	92	73 - 120	2	30		
2-Hexanone	109	111	55 - 120	2	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0913
Date Prepared: 10/30/2009 0913

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16S1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 500-74762/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 1338
Date Prepared: 10/30/2009 1338

Analysis Batch: 500-74762
Prep Batch: N/A
Units: ug/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 16T1030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qua
Dibromochloromethane	94	93	73 - 120	1	30		
1,2-Dibromoethane	99	106	72 - 120	6	30		
Chlorobenzene	100	103	78 - 120	4	30		
Ethylbenzene	102	105	77 - 120	3	30		
o-Xylene	106	108	80 - 120	3	30		
m&p-Xylene	103	107	79 - 120	4	30		
Xylenes, Total	104	108	79 - 120	3	30		
Styrene	108	111	78 - 120	3	30		
Bromoform	94	94	67 - 120	0	30		
Isopropylbenzene	81	83	67 - 120	2	30		
1,1,2,2-Tetrachloroethane	102	108	78 - 120	6	30		
1,3-Dichlorobenzene	103	106	76 - 120	3	30		
1,4-Dichlorobenzene	102	105	75 - 120	3	30		
1,2-Dichlorobenzene	108	113	78 - 120	4	30		
1,2-Dibromo-3-Chloropropane	97	93	64 - 120	4	30		
1,2,4-Trichlorobenzene	117	119	65 - 120	2	30		
1,2,3-Trichlorobenzene	118	119	65 - 120	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	103	75 - 140
Toluene-d8 (Surr)	105	104	75 - 132
4-Bromofluorobenzene (Surr)	113	108	75 - 122
Dibromofluoromethane	111	107	75 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6 Units: ug/Kg LCSD Lab Sample ID: LCSD 500-74762/7

Client Matrix:	Solid	Client Matrix:	Solid
Dilution:	1.0	Dilution:	1.0
Date Analyzed:	10/30/2009 0913	Date Analyzed:	10/30/2009 1338
Date Prepared:	10/30/2009 0913	Date Prepared:	10/30/2009 1338

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dichlorodifluoromethane	50.0	50.0	43.7	43.2
Chloromethane	50.0	50.0	49.3	49.1
Vinyl chloride	50.0	50.0	41.6	42.6
Bromomethane	50.0	50.0	50.5	51.2
Chloroethane	50.0	50.0	44.7	55.9
Trichlorofluoromethane	50.0	50.0	46.7	46.5
1,1-Dichloroethene	50.0	50.0	32.3	34.0
Freon TF	50.0	50.0	31.6	32.6
Acetone	50.0	50.0	46.0	48.5
Carbon disulfide	50.0	50.0	23.0	22.7
Methylene Chloride	50.0	50.0	42.7	44.4
trans-1,2-Dichloroethene	50.0	50.0	40.7	41.4
Methyl tert-butyl ether	50.0	50.0	39.4	40.6
1,1-Dichloroethane	50.0	50.0	43.9	44.9
cis-1,2-Dichloroethene	50.0	50.0	42.8	44.3
2-Butanone	50.0	50.0	48.7	51.0
Bromochloromethane	50.0	50.0	39.4	41.4
Chloroform	50.0	50.0	47.1	49.0
1,1,1-Trichloroethane	50.0	50.0	43.2	44.0
Carbon tetrachloride	50.0	50.0	40.5	40.2
Benzene	50.0	50.0	43.1	45.2
1,2-Dichloroethane	50.0	50.0	46.0	48.9
Trichloroethene	50.0	50.0	44.5	45.7
1,2-Dichloropropane	50.0	50.0	48.1	51.0
Bromodichloromethane	50.0	50.0	44.3	45.9
cis-1,3-Dichloropropene	53.8	53.8	44.9	46.4
4-Methyl-2-pentanone (MIBK)	50.0	50.0	47.8	50.2
Toluene	50.0	50.0	47.3	49.0
trans-1,3-Dichloropropene	48.6	48.6	41.6	43.0
1,1,2-Trichloroethane	50.0	50.0	50.8	54.6
Tetrachloroethene	50.0	50.0	44.9	45.9
2-Hexanone	50.0	50.0	54.6	55.4
Dibromochloromethane	50.0	50.0	46.9	46.6
1,2-Dibromoethane	50.0	50.0	49.6	52.9
Chlorobenzene	50.0	50.0	49.8	51.7
Ethylbenzene	50.0	50.0	51.0	52.5
o-Xylene	50.0	50.0	52.8	54.1
m&p-Xylene	100	100	103	107
Xylenes, Total	150	150	156	161

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: TestAmerica Laboratories, Inc.

Job Number: 500-22142-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 500-74762

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 500-74762/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 0913
Date Prepared: 10/30/2009 0913

Units: ug/Kg

LCSD Lab Sample ID: LCSD 500-74762/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/30/2009 1338
Date Prepared: 10/30/2009 1338

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Styrene	50.0	50.0	54.0	55.5
Bromoform	50.0	50.0	47.1	47.0
Isopropylbenzene	50.0	50.0	40.7	41.4
1,1,2,2-Tetrachloroethane	50.0	50.0	50.8	53.9
1,3-Dichlorobenzene	50.0	50.0	51.7	53.1
1,4-Dichlorobenzene	50.0	50.0	50.9	52.5
1,2-Dichlorobenzene	50.0	50.0	53.9	56.4
1,2-Dibromo-3-Chloropropane	50.0	50.0	48.6	46.5
1,2,4-Trichlorobenzene	50.0	50.0	58.3	59.3
1,2,3-Trichlorobenzene	50.0	50.0	59.0	59.7

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:500-74762					
LCS 500-74762/6	Lab Control Sample	T	Solid	8260B	
LCSD 500-74762/7	Lab Control Sample Duplicate	T	Solid	8260B	
MB 500-74762/5	Method Blank	T	Solid	8260B	
500-22142-1	TS10048	T	Solid	8260B	

Report Basis
T = Total

General Chemistry					
Analysis Batch:500-75014					
500-22142-1	TS10048	T	Solid	Moisture	

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 500-22142-1

Laboratory Chronicle

Lab ID: 500-22142-1 **Client ID: TS10048**

Sample Date/Time: 10/22/2009 09:30 Received Date/Time: 10/29/2009 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	500-22142-B-1		500-74762		10/30/2009 11:25	1	TAL CHI	BDW
A:8260B	500-22142-B-1		500-74762		10/30/2009 11:25	1	TAL CHI	BDW
A:Moisture	500-22142-B-1		500-75014		11/04/2009 23:17	1	TAL CHI	CLB

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 500-74762/5		500-74762		10/30/2009 08:47	1	TAL CHI	BDW
A:8260B	MB 500-74762/5		500-74762		10/30/2009 08:47	1	TAL CHI	BDW

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 500-74762/6		500-74762		10/30/2009 09:13	1	TAL CHI	BDW
A:8260B	LCS 500-74762/6		500-74762		10/30/2009 09:13	1	TAL CHI	BDW

Lab ID: LCSD **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 500-74762/7		500-74762		10/30/2009 13:38	1	TAL CHI	BDW
A:8260B	LCSD 500-74762/7		500-74762		10/30/2009 13:38	1	TAL CHI	BDW

Lab References:
TAL CHI = TestAmerica Chicago

KAR *Laboratories, Inc.*

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Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***094214***
Date Reported :	***11/05/09***
Date Activated :	***10/22/09***
Date Due :	***11/05/09***
Date Validated :	***11/05/09***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 094214. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

POSITIVE RESULTS SUMMARY REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No.: ***094214***

Date Reported: ***11/05/09***

Project Description: ***Analysis of one soil sample from Plainwell Dam (#B0064536.0001).***

Sample Description: ***"TS10048"***

Test	Positive Result Concentration	Units
TPH by GC-diesel range	150	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *094214*

Date Reported : *11/05/09*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of one soil sample from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10048"*

Sampled By : *MFK of ARCADIS of New York, Inc.*
Sample Date : *10/22/09*
Sample Time : *0930*

Date Received : *10/22/09*
Sample Type : *soil*
KAR Sample No. : *094214-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	72.09	% by weight	SM 2540 B mod.	10/27/09	JAR	
Prep, VOA	Completed		EPA 5035	11/03/09	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	11/03/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	10/30/09	KTL	
Prep, SV BN	Completed		EPA 3545	10/28/09	KTL	
TPH by GC-diesel range	150	mg/kg dry sample	EPA 8270	10/30/09	KTL	
12DCA-D4 (surr spk)	121	% spike recovery	EPA 8260	11/03/09	JAR	
BFB (surr spk)	85	% spike recovery	EPA 8260	11/03/09	JAR	
Toluene-D8 (surr spk)	87	% spike recovery	EPA 8260	11/03/09	JAR	
2FB (surr spk)	63	% spike recovery	EPA 8270	10/30/09	KTL	
Terphenyl D14 (surr spk)	49	% spike recovery	EPA 8270	10/30/09	KTL	

Sample ID : *Laboratory Method Blank-Soil*

Sampled By :
Sample Date :
Sample Time :

Date Received : *10/22/09*
Sample Type : *LMB-soil*
KAR Sample No. : *094214-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	11/03/09	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	11/03/09	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	10/30/09	KTL	
Prep, SV BN	Completed		EPA 3545	10/28/09	KTL	
TPH by GC-diesel range	<4	mg/kg dry sample	EPA 8270	10/30/09	KTL	
12DCA-D4 (surr spk)	123	% spike recovery	EPA 8260	11/03/09	JAR	
BFB (surr spk)	81	% spike recovery	EPA 8260	11/03/09	JAR	
Toluene-D8 (surr spk)	91	% spike recovery	EPA 8260	11/03/09	JAR	
2FB (surr spk)	57	% spike recovery	EPA 8270	10/30/09	KTL	
Terphenyl D14 (surr spk)	64	% spike recovery	EPA 8270	10/30/09	KTL	

KAR *Laboratories, Inc.*

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Phone 269 381-9666
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www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***094214***
Date Reported :	***11/05/09***
Date Activated :	***10/22/09***
Date Due :	***11/05/09***
Date Validated :	***11/05/09***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 094214. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *094214*

Date Reported : *11/05/09*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10048"*

Sampled By : *MFK of ARCADIS of New York, Inc.* **Date Sampled :** *10/22/09* **Sample Type :** *soil*

Date Received : *10/22/09* **Time Sampled :** *0930* **Sample No. :** *094214-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	121 % spike recovery								63-132	NA	EPA 8260	11/03/09	JAR		
2FB (surr spk)	63 % spike recovery								30-115	NA	EPA 8270	10/30/09	KTL		
BFB (surr spk)	85 % spike recovery								88-135	NA	EPA 8260	11/03/09	JAR		
Dry weight solids	72.09 % by weight									5	SM 2540 B mod.	10/27/09	JAR		
Prep, SV BN	Completed										EPA 3545	10/28/09	KTL		
Prep, VOA	Completed										EPA 5035	11/03/09	JAR		
SVOA surr. - Base/Neutrals	See below										EPA 8270	10/30/09	KTL		
TPH by GC-diesel range	150 mg/kg dry sample		83.5 %	85.0 %	0.8 %				2-125	14	EPA 8270	10/30/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample		109.8 %	111.9 %	1.9 %				89-118	11	EPA 8260	11/03/09	JAR		
Terphenyl D14 (surr spk)	49 % spike recovery								18-137	NA	EPA 8270	10/30/09	KTL		
Toluene-D8 (surr spk)	87 % spike recovery								71-123	NA	EPA 8260	11/03/09	JAR		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *094214*

Date Reported : *11/05/09*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *10/22/09*

Time Sampled :

Sample No. : *094214-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
12DCA-D4 (surr spk)	123 % spike recovery								63-132	NA	EPA 8260	11/03/09	JAR		
2FB (surr spk)	57 % spike recovery								30-115	NA	EPA 8270	10/30/09	KTL		
BFB (surr spk)	81 % spike recovery								88-135	NA	EPA 8260	11/03/09	JAR		
Prep, SV BN	Completed										EPA 3545	10/28/09	KTL		
Prep, VOA	Completed										EPA 5035	11/03/09	JAR		
SVOA surr. - Base/Neutrals	See below										EPA 8270	10/30/09	KTL		
TPH by GC-diesel range	<4 mg/kg dry sample								2-125	14	EPA 8270	10/30/09	KTL		
TPH by GC-gasoline range	<10 mg/kg dry sample								89-118	11	EPA 8260	11/03/09	JAR		
Terphenyl D14 (surr spk)	64 % spike recovery								18-137	NA	EPA 8270	10/30/09	KTL		
Toluene-D8 (surr spk)	91 % spike recovery								71-123	NA	EPA 8260	11/03/09	JAR		

BATCH QC REPORT

Printed : 11:27:11 AM, 11/05/09

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	091027DW1	10/27/09	95.52							95.53	95.5	0.0 %		5	094240-10
TPH by GC-diesel range	091028SO2	10/30/09	150	138.7155	265.7928	83.5 %	267.8596	85.0 %	0.8 %				2-125	14	094214-01
TPH by GC-gasoline range	091103W11	11/03/09	0	500	549.03	109.8 %	559.66	111.9 %	1.9 %				89-118	11	094214-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937 x 24
Address: 30 W Monroe St. Suite 1710	Fax: 312-332-4434
City State Zip: Chicago, IL 60603	E-mail Address: [redacted]
Project Name/Location (City, State): Plainwell Dam No. 2 TCRA	Project #: B0064536.0001.00001
Sampler's Printed Name: Michael F. Kohagen	Sampler's Signature: [signature]

Preservative	E	F						
Filtered (✓)								
# of Containers	1	1						
Container Information	8	1						

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		TPH (DRO and GRO)							
TS10048	10/22/09	~~1015~~ 0930	X		SO		X							

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F. Methanol
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: KAR [redacted]	Cooler Custody Seal	Printed Name: [redacted] M Rumler	Printed Name:	Printed Name: Hope Stanley
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: Hope Stanley
Specify Turnaround Requirements: STANDARD TAT	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: [redacted] KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 10-22-09/ 1620	Date/Time:	Date/Time: [redacted] 10/22/09 @ 430

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL506

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

December 28, 2009

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL506

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on December 12th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 12/12/09 ETR No: 135062		
815590	TS10048	12/10/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: [illegible]
Project Name/Location (City, State): Plainwell Dam No. 2 Area	Project #: B0064536.0001.00001
Sampler's Printed Name: Michael Kohagen	Sampler's Signature: [signature]

Preservative	E	E						
Filtered (✓)								
# of Containers	1	1						
Container Information	10	10						

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Soil Classification: ASTMD 2487	Grain Size: ASTMD 422						
TS10048	12/10/09	1400	X		So		X	X						

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10. Gallon Plastic Bag

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Vu Pham
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: [signature]
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA-Burlington
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 12/10/2009 1700	Date/Time:	Date/Time: 12/12/09-1000

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Geotechnical

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

TS10048

Lab Name: TestAmerica Burlington

Contract: 64536.01.01

SDG No.: KAL506

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815590

Matrix: SOIL

Client: BBLKAL

Date Received: 12/12/09

% Solids:

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
D2487	Gravel	12/24/09		%	1		0.0	
D2487	Sand	12/24/09		%	1		52.0	
D2487	Fines	12/24/09		%	1		48.0	
D2487	Group Name	12/24/09			1		Silty sand	
D2487	Group Symbol	12/24/09			1		SM	
D4318	Liquid Limit	12/23/09			1		60	
D4318	Plasticity Index	12/23/09			1		18	
D4318	Plastic Limit	12/23/09			1		43	

Printed on: 12/24/09 09:36 AM

ASTM Method D2487: Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)

Client Code: BBLKAL
ETR: 135062
SDG: KAL506

Analysis Date: 12/24/2009
Analysis Time: 0915
Analyst: DJP

Laboratory Number	Group Name	Group Symbol	Distribution			Shape (≥2000 um)	Hardness (≥2000 um)	Liquid Limit	Plasticity Index
			Gravel (%)	Sand (%)	Fines (%)				
815590	Silty sand	SM	0.0	52.0	48.0	subangular	hard	60	18

The following methods were used in support of ASTM D2487 Classification:
ASTM D422 - Standard Test Method for Particle Size Analysis of Soils
ASTM D4318 - Standard Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
Calculations

Client Code: BBLKAL
ETR: 135062
SDG: KAL506

Start Date: 12/23/09
Start Time: 2230
End Date: 12/24/09
Analyst: MAP

Liquid Limit Test Multi-points Analysis

	15 to 25					20 to 30					25 to 35				
Laboratory Number	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)
815590	17	1	1.01	12.06	7.77	29	2	0.99	11.56	7.60	35	3	1.01	12.85	8.54

Client Code: BBLKAL
ETR: 135062

Start Date: 12/23/09
Start Time: 2230

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

SDG: KAL506

End Date: 12/24/09
Analyst: MAP

Plasticity Limit Test

	1					2				
Laboratory Number	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)
815590	1	15.40	21.88	19.94	42.7	2	15.23	21.65	19.72	43.0

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

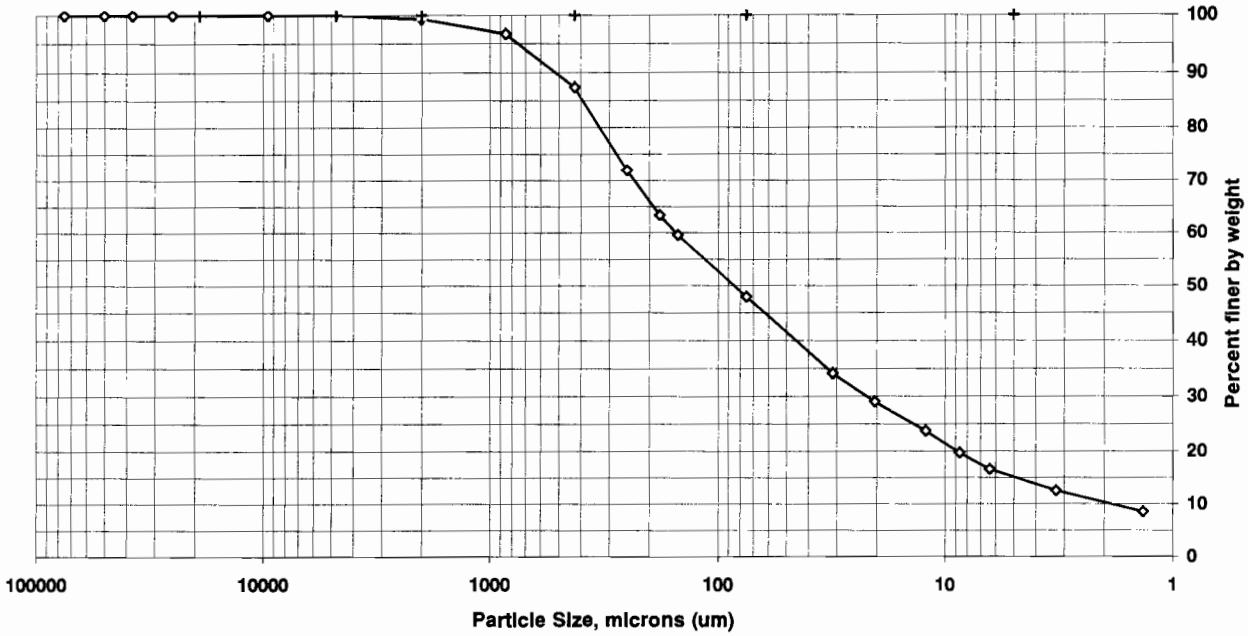
Client Code:	BBLKAL	**Start Date:**	12/23/09
ETR:	135062	**Start Time:**	2230
SDG:	KAL506	**End Date:**	12/24/09
		Analyst:	MAP

	Liquid Limit Test						Plasticity Limit Test						
	15 to 25		20 to 30		25 to 35								
Laboratory Number	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Water Content (%)**	**Water Content (%)**	**Liquid Limit**	**Plastic Limit**	**Plasticity Index**	**Air Dried**	**Percent Retained on #40 Sieve (%)**
815590	17	63.5	29	59.9	35	57.2	42.7	43.0	60	43	18	NO	

Particle Size of Soils by ASTM D422

Client Code:	BBLKAL	**SDG:**	KAL506	**Date Received:**	12/12/2009
Sample ID:	TS10048	**ETR(s):**	135062	**Start Date:**	12/14/2009
Lab ID:	815590			**End Date:**	12/24/2009

Percent Solids:	65.0%	**Non-soil material:**	plant
Specific Gravity:	2.650	**Shape (> #10):**	subangular
Maximum Particle Size:	Crs sand	**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	100.0	0.0
#4	4750	100.0	0.0
#10	2000	99.3	0.7
#20	850	96.7	2.6
#40	425	87.4	9.3
#60	250	71.9	15.5
#80	180	63.4	8.5
#100	150	59.6	3.7
#200	75	48.0	11.7
Hydrometer	31.2	34.1	13.8
|	20.4	29.1	5.1
|	12.2	23.8	5.3
|	8.6	19.7	4.1
|	6.4	16.7	3.1
|	3.3	12.6	4.1
V	1.3	8.5	4.1

Soil Classification	Percent of Total Sample
Gravel	0.0
Sand	52.0
Coarse Sand	0.7
Medium Sand	11.9
Fine Sand	39.4
Silt	31.3
Clay	16.7

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL505

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

January 11, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL505

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on December 9th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 12/09/09 ETR No: 135017		
815391	TS10049	12/03/09	SOIL
815392	TS10050	12/03/09	SOIL
815393	TS10051	12/03/09	SOIL
815394	TS10052	12/03/09	SOIL
815394MS	TS10052MS	12/03/09	SOIL
815394MD	TS10052MSD	12/03/09	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The original PCB analyses of the samples in this delivery group were associated with a method blank that contained target Aroclors at concentrations above reporting limit, as did several of the samples. The laboratory analyzed an aliquot of each sample extract that was archived prior to the Gel Permeation Chromatography (GPC) stage, and those extracts were all clean. This data package represents the final analyses of those extracts. Note that sample TS10051 yileded surrogate recoveries marginally below control criteria.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10049

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815391

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 79.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	79.0	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10050

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815392

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 70.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	70.0	

Printed on: 01/07/10 01:46 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10051

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815393

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 56.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	56.8	

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10052

Lab Name: TestAmerica Burlington

Contract: B64536.01.0

SDG No.: KAL505

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 815394

Matrix: SOIL

Client: BBLKAL

Date Received: 12/09/09

% Solids: 63.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/22/09		%	1	0.10	63.9	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10049

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815391

Phase Weight: 10.11 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 79 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	63	U
11104-28-2	Aroclor-1221	63	U
11141-16-5	Aroclor-1232	63	U
53469-21-9	Aroclor-1242	63	U
12672-29-6	Aroclor-1248	63	U
11097-69-1	Aroclor-1254	63	U
11096-82-5	Aroclor-1260	63	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10050

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815392

Phase Weight: 10.89 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 70 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	66	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	66	U
53469-21-9	Aroclor-1242	66	U
12672-29-6	Aroclor-1248	66	U
11097-69-1	Aroclor-1254	66	U
11096-82-5	Aroclor-1260	66	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10051

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815393

Phase Weight: 10.94 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 57 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	80	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	80	U
53469-21-9	Aroclor-1242	80	U
12672-29-6	Aroclor-1248	80	U
11097-69-1	Aroclor-1254	80	U
11096-82-5	Aroclor-1260	80	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10052

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815394

Phase Weight: 10.20 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: 64 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	77	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	77	U
53469-21-9	Aroclor-1242	77	U
12672-29-6	Aroclor-1248	77	U
11097-69-1	Aroclor-1254	77	U
11096-82-5	Aroclor-1260	77	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK121A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: TCRA122

Phase Type: SOIL Lab Sample ID: PBLK121A

Phase Weight: 10.05 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	50	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	50	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10052MS

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815394MS

Phase Weight: 10.31 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 10.0 Date Analyzed: 01/07/10

% Solids: 64 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	760	U
11104-28-2	Aroclor-1221	760	U
11141-16-5	Aroclor-1232	760	U
53469-21-9	Aroclor-1242	6500	
12672-29-6	Aroclor-1248	760	U
11097-69-1	Aroclor-1254	6500	
11096-82-5	Aroclor-1260	760	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10052MSD

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL505

Phase Type: SOIL Lab Sample ID: 815394MD

Phase Weight: 10.08 (g) Date Received: 12/09/09

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 10.0 Date Analyzed: 01/07/10

% Solids: 64 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	780	U
11104-28-2	Aroclor-1221	780	U
11141-16-5	Aroclor-1232	780	U
53469-21-9	Aroclor-1242	5900	
12672-29-6	Aroclor-1248	780	U
11097-69-1	Aroclor-1254	5800	
11096-82-5	Aroclor-1260	780	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS121A

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: TCRA122

Phase Type: SOIL Lab Sample ID: PLCS121A

Phase Weight: 10.90 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 12/10/09

Dilution Factor: 1.0 Date Analyzed: 01/07/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	380	
12672-29-6	Aroclor-1248	46	U
11097-69-1	Aroclor-1254	380	
11096-82-5	Aroclor-1260	46	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.	TCX 1 % REC	#	TCX 2 % REC	#	DCB 1 % REC	#	DCB 2 % REC	#
PBLK121A	81		82		85		84	
PLCS121A	84		84		90		90	
TS10049	76		76		80		79	
TS10050	87		89		89		90	
TS10051	51	*	53	*	57	*	57	*
TS10052	84		85		87		87	
TS10052MS	68	D	54	*D	100	D	100	D
TS10052MSD	61	D	49	*D	85	D	84	D

Project Specific
QC Limits
(60 - 150)
(60 - 150)

TCX = Tetrachloro-meta-Xylene
DCB = Decachlorobiphenyl

- Column to be used to flag recovery values
* - Values outside of QC limits
D - Surrogates calculated using diluted analysis
A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3
AROCLOR MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.: TS10052

Compound	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTATION ug/Kg	MS % REC #	QC LIMITS REC.
Aroclor 1242	7578	0	6546	86	39-150
Aroclor 1254	7578	0	6530	86	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 3
AROCLOR MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.: TS10052

Compound	SPIKE ADDED ug/Kg	MSD CONCENTRATION ug/Kg	MSD % REC #	RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1242	7751	5867	76	11	30	39-150
Aroclor 1254	7751	5802	75	12	30	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

RPD: 0 out of 2 outside limits.
Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL505

EPA SAMPLE NO.: PLCS121A

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	459	385	84	39-150
Aroclor 1254	459	378	82	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK121A	SDG:	KAL505
Matrix:	SOIL	Level:	LOW
Date Extracted:	12/10/09	Date Analyzed(2):	01/07/10
Date Analyzed(1):	01/07/10	Time Analyzed(2):	04:47
Time Analyzed(1):	04:47	GC ID(2):	HP2624
GC ID(1):	HP2624	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS121A	PLCS121A	01/07/10	01/07/10
815391	TS10049	01/07/10	01/07/10
815392	TS10050	01/07/10	01/07/10
815393	TS10051	01/07/10	01/07/10
815394	TS10052	01/07/10	01/07/10
815394MS	TS10052MS	01/07/10	01/07/10
815394MD	TS10052MSD	01/07/10	01/07/10

2624_010610F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID:	STL-VT	Calib date(s):	6-Jan-10	14:32 to	
GC:	HP-2624		7-Jan-10	4:00	
Col. 1:	RTX-5				
Col. 2:	RTX-35	File:	49,50 06JAN101135		

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		48.1	98.8	198	402	803	
	Cal Fact	0.962	0.988	0.990	1.005	1.004	1.8
	% Diff	4	1	1	-1	0	
Aroclor 1221		52.3	102	204	401	794	
	Cal Fact	1.046	1.020	1.020	1.003	0.993	2.0
	% Diff	-5	-2	-2	0	1	
Aroclor 1232		47.7	96.2	202	390	814	
	Cal Fact	0.954	0.962	1.010	0.975	1.018	2.9
	% Diff	5	4	-1	3	-2	
Aroclor 1242		48.7	95.3	194	411	801	
	Cal Fact	0.974	0.953	0.970	1.028	1.001	3.0
	% Diff	3	5	3	-3	0	
Aroclor 1248		47.6	98.3	200	396	808	
	Cal Fact	0.952	0.983	1.000	0.990	1.010	2.2
	% Diff	5	2	0	1	-1	
Aroclor 1254		48.0	98.6	210	403	791	
	Cal Fact	0.960	0.986	1.050	1.008	0.989	3.3
	% Diff	4	1	-5	-1	1	
Aroclor 1260		52.0	99.1	195	417	786	
	Cal Fact	1.040	0.991	0.975	1.043	0.983	3.2
	% Diff	-4	1	3	-4	2	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL505F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP2624
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 49,50 06JAN101135
date/time: 1/6/2010 14:32 to 1/7/2010 4:00

Check Standard File: 49,50 06JAN101454,10
Date: 1/7/2010
Time: 8:21

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	221	10.5

Check Standard File: 49,50 06JAN101454,11
Date: 1/7/2010
Time: 8:44

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	199	0.5

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	6-Jan-2010 14:32	3.92	14.71	
AR1016 100ppb	AR1016 100	6-Jan-2010 14:56	3.91	14.70	
AR1016 200ppb	AR1016 200	6-Jan-2010 15:20	3.90	14.69	
AR1016 400ppb	AR1016 400	6-Jan-2010 15:44	3.92	14.70	
AR1016 800ppb	AR1016 800	6-Jan-2010 16:07	3.92	14.71	
AR1221 50ppb	AR1221 50	6-Jan-2010 16:31	3.91	14.70	
AR1221 100ppb	AR1221 100	6-Jan-2010 16:55	3.91	14.70	
AR1221 200ppb	AR1221 200	6-Jan-2010 17:19	3.92	14.70	
AR1221 400ppb	AR1221 400	6-Jan-2010 17:42	3.91	14.70	
AR1221 800ppb	AR1221 800	6-Jan-2010 18:06	3.92	14.71	
AR1232 50ppb	AR1232 50	6-Jan-2010 18:30	3.92	14.71	
AR1232 100ppb	AR1232 100	6-Jan-2010 18:54	3.92	14.71	
AR1232 200ppb	AR1232 200	6-Jan-2010 19:17	3.92	14.70	
AR1232 400ppb	AR1232 400	6-Jan-2010 19:41	3.91	14.70	
AR1232 800ppb	AR1232 800	6-Jan-2010 20:05	3.92	14.70	
AR1242 50ppb	AR1242 50	6-Jan-2010 20:29	3.91	14.70	
AR1242 100ppb	AR1242 100	6-Jan-2010 20:52	3.92	14.71	
AR1242 200ppb	AR1242 200	6-Jan-2010 21:16	3.91	14.70	
AR1242 400ppb	AR1242 400	6-Jan-2010 21:40	3.91	14.70	
AR1242 800ppb	AR1242 800	6-Jan-2010 22:04	3.91	14.70	
AR1248 50ppb	AR1248 50	6-Jan-2010 22:27	3.91	14.70	
AR1248 100ppb	AR1248 100	6-Jan-2010 22:51	3.91	14.70	
AR1248 200ppb	AR1248 200	6-Jan-2010 23:15	3.91	14.69	
AR1248 400ppb	AR1248 400	6-Jan-2010 23:38	3.91	14.69	
AR1248 800ppb	AR1248 800	7-Jan-2010 00:02	3.92	14.70	
AR1254 50ppb	AR1254 50	7-Jan-2010 00:26	3.91	14.70	
AR1254 100ppb	AR1254 100	7-Jan-2010 00:50	3.92	14.70	
AR1254 200ppb	AR1254 200	7-Jan-2010 01:13	3.91	14.70	
AR1254 400ppb	AR1254 400	7-Jan-2010 01:37	3.91	14.70	
AR1254 800ppb	AR1254 800	7-Jan-2010 02:01	3.91	14.70	
AR1260 50ppb	AR1260 50	7-Jan-2010 02:25	3.91	14.71	
AR1260 100ppb	AR1260 100	7-Jan-2010 02:48	3.90	14.69	
AR1260 200ppb	AR1260 200	7-Jan-2010 03:12	3.92	14.71	
AR1260 400ppb	AR1260 400	7-Jan-2010 03:36	3.91	14.70	
AR1260 800ppb	AR1260 800	7-Jan-2010 04:00	3.90	14.69	
PBLK121A	PBLK121A	7-Jan-2010 04:47	3.91	14.69	
PLCS121A	PLCS121A	7-Jan-2010 05:11	3.92	14.70	
815391	TS10049	7-Jan-2010 05:35	3.91	14.69	
815392	TS10050	7-Jan-2010 05:58	3.92	14.70	
815393	TS10051	7-Jan-2010 06:22	3.92	14.70	
815394	TS10052	7-Jan-2010 06:46	3.92	14.70	
815394MS;1:10	TS10052MS	7-Jan-2010 07:09	3.90	14.70	
815394MD;1:10	TS10052MSD	7-Jan-2010 07:33	3.91	14.70	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.91 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.70 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	7-Jan-2010 08:21	3.90	14.69	
AR1242 200	AR1242 200	7-Jan-2010 08:44	3.91	14.70	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.91 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.70 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	6-Jan-2010 14:32	4.38	15.77	
AR1016 100ppb	AR1016 100	6-Jan-2010 14:56	4.38	15.77	
AR1016 200ppb	AR1016 200	6-Jan-2010 15:20	4.38	15.77	
AR1016 400ppb	AR1016 400	6-Jan-2010 15:44	4.37	15.76	
AR1016 800ppb	AR1016 800	6-Jan-2010 16:07	4.38	15.77	
AR1221 50ppb	AR1221 50	6-Jan-2010 16:31	4.36	15.76	
AR1221 100ppb	AR1221 100	6-Jan-2010 16:55	4.38	15.77	
AR1221 200ppb	AR1221 200	6-Jan-2010 17:19	4.38	15.77	
AR1221 400ppb	AR1221 400	6-Jan-2010 17:42	4.37	15.76	
AR1221 800ppb	AR1221 800	6-Jan-2010 18:06	4.38	15.78	
AR1232 50ppb	AR1232 50	6-Jan-2010 18:30	4.38	15.78	
AR1232 100ppb	AR1232 100	6-Jan-2010 18:54	4.38	15.78	
AR1232 200ppb	AR1232 200	6-Jan-2010 19:17	4.37	15.76	
AR1232 400ppb	AR1232 400	6-Jan-2010 19:41	4.37	15.76	
AR1232 800ppb	AR1232 800	6-Jan-2010 20:05	4.37	15.76	
AR1242 50ppb	AR1242 50	6-Jan-2010 20:29	4.38	15.77	
AR1242 100ppb	AR1242 100	6-Jan-2010 20:52	4.38	15.77	
AR1242 200ppb	AR1242 200	6-Jan-2010 21:16	4.39	15.78	
AR1242 400ppb	AR1242 400	6-Jan-2010 21:40	4.37	15.76	
AR1242 800ppb	AR1242 800	6-Jan-2010 22:04	4.38	15.77	
AR1248 50ppb	AR1248 50	6-Jan-2010 22:27	4.37	15.76	
AR1248 100ppb	AR1248 100	6-Jan-2010 22:51	4.37	15.76	
AR1248 200ppb	AR1248 200	6-Jan-2010 23:15	4.37	15.76	
AR1248 400ppb	AR1248 400	6-Jan-2010 23:38	4.36	15.75	
AR1248 800ppb	AR1248 800	7-Jan-2010 00:02	4.38	15.77	
AR1254 50ppb	AR1254 50	7-Jan-2010 00:26	4.37	15.76	
AR1254 100ppb	AR1254 100	7-Jan-2010 00:50	4.38	15.77	
AR1254 200ppb	AR1254 200	7-Jan-2010 01:13	4.37	15.76	
AR1254 400ppb	AR1254 400	7-Jan-2010 01:37	4.37	15.76	
AR1254 800ppb	AR1254 800	7-Jan-2010 02:01	4.37	15.76	
AR1260 50ppb	AR1260 50	7-Jan-2010 02:25	4.37	15.76	
AR1260 100ppb	AR1260 100	7-Jan-2010 02:48	4.36	15.76	
AR1260 200ppb	AR1260 200	7-Jan-2010 03:12	4.37	15.76	
AR1260 400ppb	AR1260 400	7-Jan-2010 03:36	4.37	15.76	
AR1260 800ppb	AR1260 800	7-Jan-2010 04:00	4.37	15.76	
PBLK121A	PBLK121A	7-Jan-2010 04:47	4.37	15.76	
PLCS121A	PLCS121A	7-Jan-2010 05:11	4.37	15.76	
815391	TS10049	7-Jan-2010 05:35	4.38	15.76	
815392	TS10050	7-Jan-2010 05:58	4.37	15.76	
815393	TS10051	7-Jan-2010 06:22	4.38	15.77	
815394	TS10052	7-Jan-2010 06:46	4.37	15.76	
815394MS;1:10	TS10052MS	7-Jan-2010 07:09	4.37	15.76	
815394MD;1:10	TS10052MSD	7-Jan-2010 07:33	4.38	15.77	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.37 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 15.77 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP2624
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL505
Initial Calib. Date: 06-JAN-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1248 200	AR1248 200	7-Jan-2010 08:21	4.36	15.74	
AR1242 200	AR1242 200	7-Jan-2010 08:44	4.37	15.76	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 4.37 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 15.77 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

KAR *Laboratories, Inc.*

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100349***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100349. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10053"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Date Received : ***01/29/10***

Sample Date : ***01/19/10***

Sample Type : ***soil***

Sample Time : ***1011***

KAR Sample No. : ***100349-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	69.85	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	56	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10054"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***01/19/10***

Sample Time : ***1015***

Date Received : ***01/29/10***

Sample Type : ***soil***

KAR Sample No. : ***100349-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	63.11	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	77	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	75	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported: *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10055"*

Sampled By : *MK of ARCADIS of New York, Inc.*

Sample Date : *01/19/10*

Sample Time : *1020*

Date Received : *01/29/10*

Sample Type : *soil*

KAR Sample No. : *100349-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	61.72	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	460	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	440	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	900	ug/kg dry sample	EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	57	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10057"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/19/10***
Sample Time : ***1037***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100349-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	71.56	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100349***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : *01/29/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100349-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	101	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

KAR *Laboratories, Inc.*

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Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100349***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of four soil samples from Plainwell Dam (#B0064536.0002).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100349. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10053"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1011* **Sample No. :** *100349-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	69.85 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	56 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10054"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1015* **Sample No. :** *100349-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	77 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	83.11 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	75 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10055"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1020* **Sample No. :** *100349-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	57 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	61.72 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	460 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	440 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	900 ug/kg dry sample								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	63 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10057"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1037* **Sample No. :** *100349-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	71.56 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100349*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of four soil samples from Plainwell Dam (#B0064536.0002).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *01/29/10*

Time Sampled :

Sample No. : *100349-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	101 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

BATCH QC REPORT

Printed : 11:19:37 AM, 02/12/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100202WD1	02/02/10	71.86							68.46	75.25	9.4 %		8	100351-05
PCB Aroclor 1016	100202SO8	02/04/10	0	993.6407	737.3699	74.2 %	746.4792	75.1 %	1.2 %				29-135	25	100351-03
PCB Aroclor 1260	100202SO8	02/04/10	0	993.6407	849.8641	85.5 %	823.0762	82.8 %	3.2 %				29-135	25	100351-03

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: [illegible]
Project Name/Location (City, State): Plainwell ~~TCRA Mi~~ Dam No 2	Project #: B0064539.0000.00002 ~~B0064539.0000.00001~~
Sampler's Printed Name: Michael Kohagen	Sampler's Signature: [signature]

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix	Total PCB	REMARKS
TS10053	1/19/10	1011		X	So	X	PACKAGE 1
TS10054	1/19/10	1015		X	So	X	PACKAGE 1
TS10055	1/19/10	1020		X	So	X	PACKAGE 1
TS10056	1/19/10	1023		X	So	X	PACKAGE 2
TS10057	1/19/10	1037	X		So	X	PACKAGE 1
TS10058	1/27/10	1400		X	So	X	PACKAGE 3
TS10059	1/27/10	---		X	So	X	
TS10060	1/27/10	1410		X	So	X	MS/MSD
TS10061	1/27/10	1421		X	So	X	
TS10062	1/27/10	1427		X	So	X	
TS10063	1/27/10	1430		X	So	X	
TS10064	1/27/10	1435		X	So	X	
TS10065	1/27/10	1443		X	So	X	

Preservative	E
Filtered (✓)	
# of Containers	1
Container Information	8

PARAMETER ANALYSIS & METHOD

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: Hope Sanders
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~092409~~ 1/29/10 1040	Date/Time:	Date/Time: 1/29/10 1040

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ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100350***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100350. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100350***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B0064536.0002).***

Sample ID : ***"TS10056"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/19/10***
Sample Time : ***1023***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100350-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	72.92	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	60	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100350***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B0064536.0002).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : ***01/29/10***
Sample Type : ***LMB-soil***
KAR Sample No. : ***100350-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	101	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

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30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100350***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0002).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100350. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100350*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0002).*

Sample ID : *"TS10056"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/19/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1023* **Sample No. :** *100350-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	72.92 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	60 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100350*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of one soil sample from Plainwell Dam (#B0064536.0002).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *01/29/10*

Time Sampled :

Sample No. : *100350-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	101 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

BATCH QC REPORT

Printed : 11:19:51 AM, 02/12/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100202WD1	02/02/10	71.86							68.46	75.25	9.4 %		8	100351-05
PCB Aroclor 1016	100202SO8	02/04/10	0	993.6407	737.3699	74.2 %	746.4792	75.1 %	1.2 %				29-135	25	100351-03
PCB Aroclor 1260	100202SO8	02/04/10	0	993.6407	849.8641	85.5 %	823.0762	82.8 %	3.2 %				29-135	25	100351-03

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	**Fax:**
30 W Monroe St	312-332-4434
City State Zip	**E-mail Address:**
Chicago IL, 60603	eric.hritsuk@arcadis-us.com
Project Name/Location (City, State):	**Project #:**
Plainwell ~~TCRA Mi~~ Dam No 2	B0064536.00002 ~~B0064539.0000.00001~~
Sampler's Printed Name:	**Sampler's Signature:**
Michael Kohagen	

Preservative	E							
Filtered (✓)								
# of Containers	1							
Container Information	8							

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								REMARKS
TS10053	1/19/10	1011		X	So		X								~~PACKAGE~~ 1
TS10054	1/19/10	1015		X	So		X								PACKAGE 1
TS10055	1/19/10	1020		X	So		X								PACKAGE 1
TS10056	1/19/10	1023		X	So		X								PACKAGE 2
TS10057	1/19/10	1037	X		So		X								PACKAGE 1
TS10058	1/27/10	1400		X	So		X								PACKAGE 3
TS10059	1/27/10	---		X	So		X								
TS10060	1/27/10	1410		X	So		X								MS/MSD
TS10061	1/27/10	1421		X	So		X								
TS10062	1/27/10	1427		X	So		X								
TS10063	1/27/10	1430		X	So		X								
TS10064	1/27/10	1435		X	So		X								
TS10065	1/27/10	1443		X	So		X								

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature: Hope Sanders
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~092409~~ 1/29/10 1040	Date/Time:	Date/Time: 1/29/10 1040

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100351***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100351. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported: *02/12/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10058"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *01/27/10*
Sample Time : *1400*

Date Received : *01/29/10*
Sample Type : *soil*
KAR Sample No. : *100351-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	42.24	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	61	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	67	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10059"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time :

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	39.41	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	63	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10060"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1410***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	75.48	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	79	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	77	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10061"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1421***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	76.62	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	82	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	71	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10062"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1427***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-05***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	71.86	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	78	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10063"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1430***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-06***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	83.44	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	90	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	80	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10064"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1435***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-07***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	68.55	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	75	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	71	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10065"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***01/27/10***
Sample Time : ***1443***

Date Received : ***01/29/10***
Sample Type : ***soil***
KAR Sample No. : ***100351-08***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	67.95	% by weight	SM 2540 B mod.	02/02/10	JAR	
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	73	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	65	% spike recovery	EPA 8082	02/04/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100351***

Date Reported: ***02/12/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : *01/29/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100351-09*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/02/10	KTL	
PCB	See below		EPA 8082	02/04/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/04/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/04/10	GMB	
DCB (pest/PCB surr spk)	101	% spike recovery	EPA 8082	02/04/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/04/10	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100351***
Date Reported :	***02/12/10***
Date Activated :	***01/29/10***
Date Due :	***02/12/10***
Date Validated :	***02/12/10***

Project Description : ***Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100351. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10058"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1400* **Sample No. :** *100351-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	61 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	42.24 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	67 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10059"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** **Sample No. :** *100351-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	63 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	39.41 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10060"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1410* **Sample No. :** *100351-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	79 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	75.48 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		74.2 %	75.1 %	1.2 %				29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		85.5 %	82.8 %	3.2 %				29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	77 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10061"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1421* **Sample No. :** *100351-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	82 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	76.62 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	71 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10062"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1427* **Sample No. :** *100351-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	78 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	71.86 % by weight							9.4 %		8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	78 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10063"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1430* **Sample No. :** *100351-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	90 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	83.44 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	80 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10064"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1435* **Sample No. :** *100351-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	75 % spike recovery								25-122	NA	EPA 3082	02/04/10	GMB		
Dry weight solids	68.55 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep. ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	71 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10065"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/27/10* **Sample Type :** *soil*

Date Received : *01/29/10* **Time Sampled :** *1443* **Sample No. :** *100351-08*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	73 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
Dry weight solids	67.95 % by weight									8	SM 2540 B mod.	02/02/10	JAR		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	65 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100351*

Date Reported : *02/12/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of eight soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *01/29/10*

Time Sampled :

Sample No. : *100351-09*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	101 % spike recovery								25-122	NA	EPA 8082	02/04/10	GMB		
PCB	See below										EPA 8082	02/04/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/04/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/04/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/04/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/04/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/04/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/04/10	GMB		
Prep, ECD	Completed										EPA 3545	02/02/10	KTL		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/04/10	GMB		

BATCH QC REPORT

Printed : 11:20:09 AM, 02/12/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100202WD1	02/02/10	71.86							68.46	75.25	9.4 %		8	100351-05
Dry weight solids	100202WD2	02/02/10	95.28							95.17	95.39	0.2 %		8	100357-06
PCB Aroclor 1016	100202SO8	02/04/10	0	993.6407	737.3699	74.2 %	746.4792	75.1 %	1.2 %				29-135	25	100351-03
PCB Aroclor 1260	100202SO8	02/04/10	0	993.6407	849.8641	85.5 %	823.0762	82.8 %	3.2 %				29-135	25	100351-03

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: eric.hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell ~~TORA Mi~~ Dam No 2	Project #: B0064536.00002 ~~B0064539.0000.00001~~
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

					Preservative	E								
					Filtered (✓)									
					# of Containers	1								
					Container Information	8								
					PARAMETER ANALYSIS & METHOD									
Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB							
TS10053	1/19/10	1011		X	So		X							
TS10054	1/19/10	1015		X	So		X							
TS10055	1/19/10	1020		X	So		X							
TS10056	1/19/10	1023		X	So		X							
TS10057	1/19/10	1037	X		So		X							
TS10058	1/27/10	1400		X	So		X							
TS10059	1/27/10	---		X	So		X							
TS10060	1/27/10	1410		X	So		X							
TS10061	1/27/10	1421		X	So		X							
TS10062	1/27/10	1427		X	So		X							
TS10063	1/27/10	1430		X	So		X							
TS10064	1/27/10	1435		X	So		X							
TS10065	1/27/10	1443		X	So		X							

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

PACKAGE 1
PACKAGE 1
PACKAGE 1
PACKAGE 2
PACKAGE 1
PACKAGE 3
MS/MSD

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature: Hope Sanders
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm:	Firm: KAR
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~092409~~ 1/29/10 1040	Date/Time:	Date/Time: 1/29/10 1040

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100460***
Date Reported :	***02/19/10***
Date Activated :	***02/08/10***
Date Due :	***02/22/10***
Date Validated :	***02/18/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100460. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported: *02/19/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10066"*

Sampled By : *MK of ARCADIS of New York, Inc.*

Sample Date : *01/29/10*

Sample Time : *1405*

Date Received : *02/08/10*

Sample Type : *soil*

KAR Sample No. : *100460-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.18	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	94	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	83	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10067"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***01/29/10***

Sample Time : ***1413***

Date Received : ***02/08/10***

Sample Type : ***soil***

KAR Sample No. : ***100460-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	78.06	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	78	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10068"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***02/01/10***

Sample Time : ***1530***

Date Received : ***02/08/10***

Sample Type : ***soil***

KAR Sample No. : ***100460-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	79.99	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	104	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	81	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10069"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Date Received : ***02/08/10***

Sample Date : ***02/01/10***

Sample Type : ***soil***

Sample Time : ***1535***

KAR Sample No. : ***100460-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	77.42	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	75	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	77	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported: *02/19/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10070"*

Sampled By : *MK of ARCADIS of New York, Inc.*

Sample Date : *02/01/10*

Sample Time : *1540*

Date Received : *02/08/10*

Sample Type : *soil*

KAR Sample No. : *100460-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.13	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	84	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	85	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***"TS10071"***

Sampled By : ***MK of ARCADIS of New York, Inc.***

Sample Date : ***02/01/10***

Sample Time : ***1545***

Date Received : ***02/08/10***

Sample Type : ***soil***

KAR Sample No. : ***100460-06***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.68	% by weight	SM 2540 B mod.	02/09/10	JAR	
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	79	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	02/12/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100460***

Date Reported: ***02/19/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Sample ID : ***Laboratory Method Blank***

Sampled By :
Sample Date :
Sample Time :

Date Received : *02/08/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100460-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/10/10	GMB	
PCB	See below		EPA 8082	02/12/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/12/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/12/10	GMB	
DCB (pest/PCB surr spk)	112	% spike recovery	EPA 8082	02/12/10	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	02/12/10	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
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Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100460***
Date Reported :	***02/19/10***
Date Activated :	***02/08/10***
Date Due :	***02/22/10***
Date Validated :	***02/18/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0001).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100460. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10066"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/29/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1405* **Sample No. :** *100460-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	94 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	80.18 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	83 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10067"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *01/29/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1413* **Sample No. :** *100460-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	78.06 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep, ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	78 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10068"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1530* **Sample No. :** *100460-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	104 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	79.99 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	81 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10069"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1535* **Sample No. :** *100460-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	75 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	77.42 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep, ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	77 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10070"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1540* **Sample No. :** *100460-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	84 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	80.13 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	85 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : *"TS10071"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/01/10* **Sample Type :** *soil*

Date Received : *02/08/10* **Time Sampled :** *1545* **Sample No. :** *100460-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	79 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
Dry weight solids	80.68 % by weight									8	SM 2540 B mod.	02/09/10	JAR		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep, ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100460*

Date Reported : *02/19/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0001).*

Sample ID : ***Laboratory Method Blank***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *02/08/10*

Time Sampled :

Sample No. : *100460-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	112 % spike recovery								25-122	NA	EPA 8082	02/12/10	GMB		
PCB	See below										EPA 8082	02/12/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/12/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/12/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/12/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/12/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/12/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/12/10	GMB		
Prep. ECD	Completed										EPA 3545	02/10/10	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	02/12/10	GMB		

BATCH QC REPORT

Printed : 07:48:22 AM, 02/19/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100209DW1	02/09/10	78.54							79.68	77.39	2.9 %		8	100401-03
PCB Aroclor 1016	100111SO8	01/13/10	0	1111.4404	949.8539	85.5 %	953.7196	85.8 %	0.4 %				29-135	25	100030-01
PCB Aroclor 1260	100111SO8	01/13/10	0	1111.4404	1160.6402	104.4 %	1157.38	104.1 %	0.3 %				29-135	25	100030-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

KAR Laboratories, Inc.

(269) 381-9666

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	**Fax:**
30 W Monroe St	312-332-4434
City State Zip	**E-mail Address:**
Chicago IL, 60603	[illegible]

Project Name/Location (City, State):	Project #:
Plainwell Dam No. 2 Area TCRA Mi	B0064536.0000.00002
Sampler's Printed Name:	**Sampler's Signature:**
Michael Kohagen	[signature]

Preservative	E													
Filtered (✓)														
# of Containers	1													
Container Information	8													

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								REMARKS
TS10066	1/29/10	1405		X	So		X								
TS10067	1/29/10	1413		X	So		X								
TS10068	2/1/10	1530		X	So		X								
TS10069	2/1/10	1535		X	So		X								
TS10070	2/1/10	1540		X	So		X								
TS10071	2/1/10	1545	X		So		X								

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature: Sandra Metz	Signature: Sandra Metz
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: Arcadis	Firm: KAR Labs	Firm:
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: ~~2/8/2010~~ 2/8/10 0830	Date/Time: 2-8-10 8:24am	Date/Time:

KAR *Laboratories, Inc.*

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Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100610***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100610. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10072"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/08/10*
Sample Time : *0936*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	80.80	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	76	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	74	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : *"TS10073"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/08/10*
Sample Time : *0945*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	81.16	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	68	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	74	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100610***

Date Reported : ***03/04/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Sample ID : ***"TS10074"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/08/10***
Sample Time : ***0950***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100610-03***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	82.66	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	61	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	64	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : ***"TS10075"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/15/10***
Sample Time : ***0850***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100610-04***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	50.94	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	360	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	500	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	860	ug/kg dry sample	EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	39	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	47	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10076"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/15/10*
Sample Time : *0900*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-05*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	75.71	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	54	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	67	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : *"TS10077"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/15/10*
Sample Time :

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100610-06*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	73.43	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	740	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	740	ug/kg dry sample	EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	64	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	73	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100610***

Date Reported : ***03/04/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :
Sample Date :
Sample Time :

Date Received : *02/18/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100610-07*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/24/10	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
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Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100610***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100610. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10072"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/08/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0936* **Sample No. :** *100610-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	76 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	80.80 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	74 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10073"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/08/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0945* **Sample No. :** *100610-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	68 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	81.16 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	74 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10074"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/08/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0950* **Sample No. :** *100610-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	61 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	82.66 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	64 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10075"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0850* **Sample No. :** *100610-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	39 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	50.94 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	360 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	500 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	860 ug/kg dry sample								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	47 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10076"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0900* **Sample No. :** *100610-05*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	54 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	75.71 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	67 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : *"TS10077"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** **Sample No. :** *100610-06*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	64 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	73.43 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	740 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	740 ug/kg dry sample								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	73 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100610*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of six soil samples from Plainwell Dam (#B0064536.0000.00002)*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *02/18/10*

Time Sampled :

Sample No. : *100610-07*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

BATCH QC REPORT

Printed : 01:41:04 PM, 03/04/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100222DW1	02/22/10	93.23							93.73	92.73	1.1 %		7	100632-01
PCB Aroclor 1016	100219SO8	02/24/10	0	949.7277	694.6273	73.1 %	697.9795	73.5 %	0.5 %				29-135	25	100609-01
PCB Aroclor 1260	100219SO8	02/24/10	0	949.7277	690.3984	72.7 %	720.9483	75.9 %	4.3 %				29-135	25	100609-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	**Fax:**
30 W Monroe St	312-332-4434
City State Zip	**E-mail Address:**
Chicago IL, 60603	[illegible]
Project Name/Location (City, State):	**Project #:**
Plainwell Dam No. 2 Area TCRA Mi	B0064536.0000.00002
Sampler's Printed Name:	**Sampler's Signature:**
Michael Kohagen	

Preservative	E												
Filtered (✓)													
# of Containers	1												
Container Information	8												

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								
TS10072	2/8/10	0936		X	So		X								
TS10073	2/8/10	0945		X	So		X								
TS10074	2/8/10	0950		X	So		X								
TS10075	2/15/10	0850		X	So		X								
TS10076	2/15/10	0900		X	So		X								
TS10077	2/15/10	----		X	So		X								

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm:
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 2/18/2010 1230	Date/Time:	Date/Time: 2/18/10 @ 1236

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100609***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of three soil samples, Plainwell Dam (#B 0064536.0000.00002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

If you wish to contact us about this work please mention KAR Project No. 100609. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

LABORATORY DETAIL REPORT

Client: ***ARCADIS of New York, Inc.***

KAR Project No. : ***100609***

Date Reported : ***03/04/10***

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: ***Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).***

Sample ID : ***"TS10078"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/15/10***
Sample Time : ***0910***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100609-01***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	78.97	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	71	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	72	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : ***"TS10079"***

Sampled By : ***MK of ARCADIS of New York, Inc.***
Sample Date : ***02/15/10***
Sample Time : ***0917***

Date Received : ***02/18/10***
Sample Type : ***soil***
KAR Sample No. : ***100609-02***

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	81.86	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	69	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	68	% spike recovery	EPA 8082	02/24/10	GMB	

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10080"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *02/15/10*
Sample Time : *0925*

Date Received : *02/18/10*
Sample Type : *soil*
KAR Sample No. : *100609-03*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	69.86	% by weight	SM 2540 B mod.	02/22/10	JAR	
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	55	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	62	% spike recovery	EPA 8082	02/24/10	GMB	

Sample ID : *Laboratory Method Blank-Soil*

Sampled By :
Sample Date :
Sample Time :

Date Received : *02/18/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100609-04*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, ECD	Completed		EPA 3545	02/19/10	GMB	
PCB	See below		EPA 8082	02/24/10	GMB	
PCB Aroclor 1016	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1221	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1232	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1242	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1248	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1254	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclor 1260	<330	ug/kg dry sample	EPA 8082	02/24/10	GMB	
PCB Aroclors, total	NA		EPA 8082	02/24/10	GMB	
DCB (pest/PCB surr spk)	92	% spike recovery	EPA 8082	02/24/10	GMB	
TCMX (surr spk)	77	% spike recovery	EPA 8082	02/24/10	GMB	

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100609***
Date Reported :	***03/04/10***
Date Activated :	***02/18/10***
Date Due :	***03/04/10***
Date Validated :	***03/04/10***

Project Description : ***Analysis of three soil samples, Plainwell Dam (#B 0064536.0000.00002).***

Dear Client,

Please find attached a copy of the QC Report for KAR Project No. 100609. The report might contain a second section entitled "QC Batch Report". This section will contain matrix-specific quality control information for the analytical batch, if applicable. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received.

For duplicate sample calculations, concentrations are considered zero if less than or equal to the reporting limit. For spiked sample calculations, original sample concentration is also considered zero if less than or equal to the reporting limit. For general QA/QC procedures please consult the KAR Laboratories Quality Assurance Manual.

I hope that you find our services accurate and complete. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10078"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0910* **Sample No. :** *100609-01*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	71 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	78.97 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample		73.1 %	73.5 %	0.5 %				29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample		72.7 %	75.9 %	4.3 %				29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	72 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10079"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0917* **Sample No. :** *100609-02*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	69 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	81.86 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	68 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10080"*

Sampled By : *MK of ARCADIS of New York, Inc.* **Date Sampled :** *02/15/10* **Sample Type :** *soil*

Date Received : *02/18/10* **Time Sampled :** *0925* **Sample No. :** *100609-03*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	55 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
Dry weight solids	69.86 % by weight									7	SM 2540 B mod.	02/22/10	JAR		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep, ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	62 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

QUALITY CONTROL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100609*

Date Reported : *03/04/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description : *Analysis of three soil samples, Plainwell Dam (#B0064536.0000.00002).*

Sample ID : ***Laboratory Method Blank-Soil***

Sampled By :

Date Sampled :

Sample Type : *LMB-soil*

Date Received : *02/18/10*

Time Sampled :

Sample No. : *100609-04*

Test	Result	Spike Level	MS %Rec.	MSD %Rec.	RPD	Dup. #1	Dup. #2	RPD	QC Limits Rec. Range	QC Limits RPD	Method	Analyzed On	By	QC Batch	Comments
DCB (pest/PCB surr spk)	92 % spike recovery								25-122	NA	EPA 8082	02/24/10	GMB		
PCB	See below										EPA 8082	02/24/10	GMB		
PCB Aroclor 1016	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclor 1221	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1232	<330 ug/kg dry sample										EPA 8082	02/24/10	GMB		
PCB Aroclor 1242	<330 ug/kg dry sample								24-133	51	EPA 8082	02/24/10	GMB		
PCB Aroclor 1248	<330 ug/kg dry sample								57-116	46	EPA 8082	02/24/10	GMB		
PCB Aroclor 1254	<330 ug/kg dry sample									42	EPA 8082	02/24/10	GMB		
PCB Aroclor 1260	<330 ug/kg dry sample								29-135	25	EPA 8082	02/24/10	GMB		
PCB Aroclors, total	NA								27-155	15	EPA 8082	02/24/10	GMB		
Prep. ECD	Completed										EPA 3545	02/19/10	GMB		
TCMX (surr spk)	77 % spike recovery								22-95	NA	EPA 8082	02/24/10	GMB		

BATCH QC REPORT

Printed : 01:40:35 PM, 03/04/10

Test	QC Batch	Date	Conc. (Original)	Spike Conc.	Matrix Spike Conc.	% Rec.	Matrix Spike Duplicate Conc.	% Rec.	Spike Dup. RPD	Dup. #1	Dup. #2	Dup. RPD	QC LIMITS Rec. Range	QC LIMITS RPD	Sample No.
Dry weight solids	100222DW1	02/22/10	93.23							93.73	92.73	1.1 %		7	100632-01
PCB Aroclor 1016	100219SO8	02/24/10	0	949.7277	694.6273	73.1 %	697.9795	73.5 %	0.5 %				29-135	25	100609-01
PCB Aroclor 1260	100219SO8	02/24/10	0	949.7277	690.3984	72.7 %	720.9483	75.9 %	4.3 %				29-135	25	100609-01

This "Batch QC" section of the QC Report contains data from samples analyzed in the same Extraction Batch (analytical run) as the samples that you submitted. Please refer to the previous QC Report section for QC information specific to your samples. This report may only be reproduced in full and not without written consent.

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address: [illegible]
Project Name/Location (City, State): Plainwell Dam No. 2 Area TCRA Mi	Project #: B0064536.0000.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix	Total PCB
Preservative						E
Filtered (✓)						
# of Containers						1
Container Information						8
TS10078	2/15/10	0910		X	So	X
TS10079	2/15/10	0917		X	So	X
TS10080	2/15/10	0925		X	So	X

PARAMETER ANALYSIS & METHOD

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

MS/MSD

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Kar	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name:
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature: Hope Janney
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm:
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 1230 2/18/2010	Date/Time:	Date/Time: 2/18/10 @ 1230

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL533

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

March 22, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. KZOO
Case: KZOO; SDG: KAL533

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on March 5th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 03/05/10 ETR No: 136215		
821804	TS10081	03/04/10	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

A serial dilution performed during the metals analysis of sample TS10081 yielded elevated percent difference for barium.

The original volatile organic analysis of sample TS10081 yielded surrogate and internal standard responses outside control criteria. This sample was re-analyzed yielding similar results, confirming that the outages were related to the nature of the sample matrix. Both sets of data have been presented in this case submittal.

The semivolatile organic analysis of method blank MBLK030910B yielded the presence of target compound bis(2-ethylhexyl)phthalate at a concentration below reporting limit. This compound was also detected below reporting limit in associated sample TS10081. The result in the sample has been qualified with a B flag to denote this situation.

The pesticide analysis of sample TS10081 yielded surrogate recoveries marginally below the advisory levels. No target compounds were detected in this sample.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Due to the close similarity between Aroclors 1016 and 1242, the automated PCB quantification algorithm occasionally identifies both Aroclors, or just Aroclor 1016. Based on the historical approach to this situation for the project, any software reports identified as Aroclor 1016 are actually reported as Aroclor 1242. Although the software report still identifies the Aroclor 1016, the final reporting form and EDD will only reflect the cumulative result for Aroclor 1242.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)
The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.
If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address:
Project Name/Location (City, State): Plainwell Dam No. 2 Area TCRA Mi	Project #: B0064536.0000.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

Preservative	E													
Filtered (✓)														
# of Containers	8													
Container Information	8													
PARAMETER ANALYSIS & METHOD														
Sample ID	**Collection Date**	**Collection Time**	**Type Comp**	**Type Grab**	**Matrix**		**Grain Size (ASTM D422)**	**pH (ASTM D2974)**	**Organic Content (ASTM D2974)**	**TCL VOC's**	**TCL SVOC's**	**TCL Pesticides/ PCB's**	**RCRA Metals**	**Soil Classification (ASTM D2487)**
TS10081	3/4/10	1100	x		So		X	X	X	X	X	X	X	X

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

REMARKS

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Chris Kolb
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact ☒ N/A	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #: 0	Condition/Cooler Temp: 2.0	Date/Time: 3/4/2010	Date/Time:	Date/Time: 3/5/10 1030

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
TS10081

Lab Name: TestAmerica Burlington | Contract: 64536.0.02 | SDG No.: KAL533

Lab Code: TALVT | Case No.: KZOO | Lab Sample ID: 821804

Matrix: SOIL | Client: BBLKAL | Date Received: 03/05/10

% Solids: 61.2

Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
9045	Soil pH (std. units)	03/12/10	BLKPH031210A	pH Units	1	0.0	4.4	
IN623	Solids, Percent	03/08/10		%	1	0.10	61.2	

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Method Blank Report Summary

Lab Name: TestAmerica Burlington **Contract:** 64536.0.02 **SDG No.:** KAL533

Lab Code: TALVT **Case No.:** KZOO

Matrix: SOIL **Client:** BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKPH031210A	9045	Soil pH (std. units)	7.0	pH Units		1	0.0	03/12/10	BLKPH031210A

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.

TS10081REP

Lab Name: TestAmerica Burlington | Contract: 64536.0.02 | SDG No.: KAL533

Lab Code: TALVT | Case No.: KZOO | Lab Sample ID: 821804DP

Matrix: SOIL | Client: BBLKAL | Date Received: 03/05/10

% Solids: 61.2

Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD[2]
9045	Soil pH (std. units)	03/12/10	BLKPH031210A	pH Units	4.4		4.4		0

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

2 - Control Limit for RPD is +/- 20%, unless otherwise specified.

Printed on: 03/12/10 03:22 PM

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: TestAmerica Burlington **Contract:** 64536.0.02 **SDG No.:** KAL533

Lab Code: TALVT **Case No.:** KZOO

Matrix: SOIL **Client:** BBLKAL

% Solids:

Lab Sample ID	Method[1]	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Rec.	Control Limit
LCSPH031210A	9045	Soil pH (std. units)	03/12/10	BLKPH031210A	pH Units	6.0	6.0	100	99-101

1 - The reference methods 9040B and 9045 for the determination of pH specify that sample analysis should occur "as soon as possible". The clause "as soon as possible" has been clarified by the EPA to mean a holding time of 15 minutes from sample collection, thus in order to meet holding time the analytical determination of pH is considered a field parameter immediately following sample collection. Any field samples for which pH determination are peformed by the laboratory by SW-846 methods 9040B and 9045 are reported out of the designated holding time.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA-CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

SOW No.: _____

EPA Sample No.	Lab Sample ID.
TS10081	821804
TS10081D	821804DP
TS10081S	821804MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

USEPA-CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10081

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Lab Sample ID: 821804

Level (low/med): LOW Date Received: 3/5/2010

% Solids: 61.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.052	U		P
7440-38-2	Arsenic	1.8			P
7440-39-3	Barium	54.3		E	P
7440-43-9	Cadmium	0.21	B		P
7440-47-3	Chromium	10.8			P
7439-97-6	Mercury	0.032	B		CV
7439-92-1	Lead	13.9			P
7782-49-2	Selenium	0.82	B		P

Color Before: brown Clarity Before: Texture: medium

Color After: brown Clarity After: cloudy Artifacts:

Comments:

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.00	100.0	5.0	5.10	102.0	5.14	102.8	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	500.20	100.0	100.0	97.52	97.5	98.48	98.5	P
Arsenic	250.0	257.80	103.1	100.0	96.46	96.5	98.65	98.6	P
Barium	500.0	499.60	99.9	200.0	189.00	94.5	184.70	92.4	P
Cadmium	500.0	507.70	101.5	100.0	97.85	97.8	98.11	98.1	P
Chromium	500.0	501.00	100.2	200.0	190.40	95.2	189.10	94.6	P
Selenium	250.0	245.70	98.3	100.0	98.42	98.4	101.20	101.2	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead	1000.0	985.70	98.6	400.0	391.30	97.8	397.90	99.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				400.0	406.50	101.6	409.70	102.4	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Lead				400.0	414.40	103.6	412.40	103.1	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	8.85	88.5		
Arsenic				10.0	7.67	76.7		
Barium				200.0	193.00	96.5		
Cadmium				5.0	4.07	81.4		
Chromium				10.0	8.89	88.9		
Selenium				35.0	32.46	92.7		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

AA CRDL Standard Source:

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Lead				10.0	13.16	131.6		

Control Limits: no limits have been established by EPA at this time

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U			0.017	U	CV

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	0.4	B	-1.2	B	-1.1	B			-0.071	B	P
Arsenic	-1.1	B	1.1	U	1.1	U			0.110	U	P
Barium	2.3	U	2.3	U	2.3	U			-0.687	B	P
Cadmium	-0.2	B	-0.1	B	0.1	U			0.021	B	P
Chromium	-0.3	B	-0.8	B	-0.5	B			0.011	U	P
Selenium	1.4	U	-3.1	B	-3.1	B			0.140	U	P

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead	0.6	B	2.5	B	-1.4	B	1.0	B	-0.162	B	P

USEPA-CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead			-1.8	B	0.6	U	0.6	U			P

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	217	-2	206.4	95.1			
Arsenic	0	109	-2	98.4	90.3			
Barium	0	504	1	458.0	90.9			
Cadmium	0	1086	2	1020.0	93.9			
Chromium	0	510	-1	472.0	92.5			
Selenium	0	41	-11	33.4	81.5			

USEPA-CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Lead	0	51	-6	46.8	91.8			

USEPA-CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10081S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 61.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Silver	80 - 120	6.3800		0.0521	U	7.43	85.9		P
Arsenic	80 - 120	7.0722		1.7670		5.94	89.3		P
Barium	80 - 120	303.3274		54.2686		297.09	83.8		P
Cadmium	80 - 120	7.1554		0.2150	B	7.43	93.4		P
Chromium	80 - 120	37.4035		10.7684		29.71	89.7		P
Lead		16.6221		13.9048		2.97	91.5		P
Selenium	80 - 120	7.1494		0.8200	B	7.43	85.2		P

Comments:

USEPA-CLP FORMS

6

DUPLICATES

SAMPLE NO.

TS10081D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 61.2 % Solids for Duplicate: 61.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Silver		0.0521	U	0.0494	U			P
Arsenic		1.7670		1.2265	B	36.1		P
Barium	28.9	54.2686		40.8359		28.2		P
Cadmium		0.2150	B	0.2511	B	15.5		P
Chromium		10.7684		10.0401		7.0		P
Lead		13.9048		12.5336		10.4		P
Selenium		0.8200	B	0.2944	B	94.3		P

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA-CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	23.9		20.0	30.0	95.6
Arsenic				24.0	23.1		19.2	28.8	96.2
Barium				200.0	189.3		160.0	240.0	94.6
Cadmium				25.0	25.0		20.0	30.0	100.0
Chromium				20.0	19.3		16.0	24.0	96.5
Lead				22.0	24.3		17.6	26.4	110.5
Selenium				25.0	23.3		20.0	30.0	93.2

USEPA-CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

TS10081L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	0.36	U	1.80	U			P
Arsenic	12.22		9.76	B	20.1		P
Barium	375.30		429.40	B	14.4	E	P
Cadmium	1.49	B	0.70	U	100.0		P
Chromium	74.47		79.44		6.7		P
Lead	96.16		90.78		5.6		P
Selenium	5.67	B	9.85	B	73.7		P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: Date: 1/13/2010

Flame AA ID Number: Leeman Hydra AA

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 1/2/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	0.36	P
Arsenic	189.042		10	1.1	P
Barium	493.409		200	2.3	P
Cadmium	226.502		5	0.14	P
Chromium	267.716		10	0.11	P
Lead	220.353		10	0.60	P
Selenium	196.026		35	1.4	P

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	-0.0010006	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0530902	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	-0.0000336	0.0000000	0.0000000	0.0002388	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001735
Molybdenum	202.030	0.0588018	0.0000000	0.0009164	0.0070064	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0043119	-0.0001740
Vanadium	292.402	0.0000000	0.0000000	0.0049409	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000079	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0033805	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0003363
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0160924	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0019468	0.0603189	0.0000000	0.0000000	-0.0017009
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0001510
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0009648	0.0000000	0.0019415
Vanadium	292.402	0.0000000	0.0000000	0.0002205	0.0000472	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0004684	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000284	0.0000000	0.0000000	0.0000282
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000179	0.0000000	0.0000000
Manganese	257.610	0.0001041	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0001893	0.0002224	0.0000000	0.0000000	0.0006230
Nickel	231.604	-0.0001218	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA-CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000744	0.0000000	0.0000310	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0128328	0.0000000	0.0041606	0.0003344
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0015511
Copper	324.754	-0.0036758	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000164	0.0000427	0.0000375	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0001152	0.0000000	0.0007821	0.0000000	0.0018096
Molybdenum	202.030	-0.0022171	-0.0021668	0.0005431	0.0008995	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0077086	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0005674	0.0000000	0.0000000	0.0019090	0.0005625
Vanadium	292.402	0.0000000	-0.0023318	0.0000000	0.0019249	-0.0079209
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000083			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0001201			
Iron	271.441	0.0000241	0.0000599			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000300			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0184759	-0.0002216			
Nickel	231.604	0.0000000	0.0047199			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0009140	-0.0008084			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA-CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

ICP ID Number: TJA ICAP 7 Date: 1/2/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	5000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	4000.0	P
Selenium	20.00	2000.0	P

Comments:

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS031010A	3/10/2010	0.50	50.0
PBS031010A	3/10/2010	0.30	50.0
TS10081	3/10/2010	0.33	50.0

PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: _____ SDG No.: KAL533

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS031110B	3/11/2010	1.00	100.0
PBS031110B	3/11/2010	1.00	100.0
TS10081	3/11/2010	1.13	100.0
TS10081D	3/11/2010	1.19	100.0
TS10081S	3/11/2010	1.10	100.0

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 3/11/2010 End Date: 3/12/2010

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	2304				X	X		X		X										X	X					
STD7	1.00	2308																									
STD8	1.00	2312				X															X						
STD4	1.00	2316					X		X		X											X					
ICV	1.00	2320				X	X		X		X										X	X					
ICB	1.00	2323				X	X		X		X										X	X					
ICSA	1.00	2327				X	X		X		X										X	X					
ICSAB	1.00	2331				X	X		X		X										X	X					
CRI	1.00	2335				X	X		X		X										X	X					
ZZZZZZ	1.00	2339																									
CCV	1.00	2342				X	X		X		X										X	X					
CCB	1.00	2346				X	X		X		X										X	X					
PBS031110B	1.00	2350				X	X		X		X										X	X					
LCSS031110B	1.00	2354				X	X		X		X										X	X					
ZZZZZZ	1.00	2358																									
ZZZZZZ	5.00	0002																									
ZZZZZZ	1.00	0006																									
TS10081	1.00	0009				X	X		X		X										X	X					
TS10081L	5.00	0013				X	X		X		X										X	X					
TS10081S	1.00	0017				X	X		X		X										X	X					
TS10081D	1.00	0021				X	X		X		X										X	X					
ZZZZZZ	1.00	0025																									
CCV	1.00	0028				X	X		X		X										X	X					
CCB	1.00	0032				X	X		X		X										X	X					

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: Leeman Hydra AA Method: CV

Start Date: 3/11/2010 End Date: 3/11/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1111																X									
S0.2	1.00	1113																X									
S0.5	1.00	1115																X									
S1	1.00	1117																X									
S5	1.00	1119																X									
S10	1.00	1121																X									
ICV	1.00	1123																X									
ICB	1.00	1125																X									
CCV	1.00	1127																X									
CCB	1.00	1128																X									
PBS031010A	1.00	1130																X									
LCSS031010A	1.00	1132																X									
ZZZZZZ	1.00	1134																									
ZZZZZZ	1.00	1136																									
ZZZZZZ	1.00	1138																									
ZZZZZZ	1.00	1140																									
ZZZZZZ	1.00	1142																									
TS10081	1.00	1144																X									
CCV	1.00	1146																X									
CCB	1.00	1148																X									

USEPA-CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 3/15/2010 End Date: 3/15/2010

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1027													X												
STD7	1.00	1031																									
STD8	1.00	1035													X												
STD4	1.00	1039																									
ICV	1.00	1043													X												
ICB	1.00	1046													X												
ICSA	1.00	1050													X												
ICSAB	1.00	1054													X												
CRI	1.00	1058													X												
CCV	1.00	1102													X												
CCB	1.00	1105													X												
ZZZZZZ	1.00	1109																									
ZZZZZZ	1.00	1113																									
ZZZZZZ	1.00	1117																									
ZZZZZZ	5.00	1121																									
ZZZZZZ	1.00	1125																									
ZZZZZZ	5.00	1129																									
ZZZZZZ	25.00	1132																									
ZZZZZZ	1.00	1136																									
ZZZZZZ	1.00	1140																									
ZZZZZZ	1.00	1144																									
CCV	1.00	1148													X												
CCB	1.00	1152													X												
ZZZZZZ	5.00	1155																									
ZZZZZZ	1.00	1159																									
ZZZZZZ	1.00	1203																									
ZZZZZZ	1.00	1207																									
ZZZZZZ	5.00	1211																									
ZZZZZZ	1.00	1215																									
ZZZZZZ	1.00	1218																									
ZZZZZZ	1.00	1222																									
ZZZZZZ	5.00	1226																									
ZZZZZZ	1.00	1230																									
CCV	1.00	1234													X												
CCB	1.00	1238													X												
ZZZZZZ	1.00	1241																									
ZZZZZZ	1.00	1245																									
ZZZZZZ	5.00	1249																									

USEPA-CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 3/15/2010 End Date: 3/15/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	1253																									
ZZZZZZ	1.00	1257																									
ZZZZZZ	1.00	1301																									
ZZZZZZ	5.00	1304																									
ZZZZZZ	1.00	1308																									
ZZZZZZ	1.00	1312																									
ZZZZZZ	1.00	1316																									
CCV	1.00	1320													X												
CCB	1.00	1324													X												
ZZZZZZ	5.00	1327																									
ZZZZZZ	1.00	1331																									
ZZZZZZ	1.00	1335																									
ZZZZZZ	1.00	1339																									
ZZZZZZ	1.00	1343																									
ZZZZZZ	1.00	1347																									
ZZZZZZ	1.00	1350																									
PBS031110B	1.00	1354													X												
LCSS031110B	1.00	1358													X												
TS10081	1.00	1402													X												
CCV	1.00	1406													X												
CCB	1.00	1410													X												
TS10081L	5.00	1413													X												
TS10081S	1.00	1417													X												
TS10081D	1.00	1421													X												
CCV	1.00	1425													X												
CCB	1.00	1429													X												

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Geotechnical

GEOTECHNICAL / GENERAL CHEMISTRY

Sample Report Summary

Client Sample No.

TS10081

Lab Name: TestAmerica Burlington

Contract: 64536.0.02

SDG No.: KAL533

Lab Code: TALVT

Case No.: KZOO

Lab Sample ID: 821804

Matrix: SOIL

Client: BBLKAL

Date Received: 03/05/10

% Solids: 61.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
D2487	Gravel	03/18/10		%	1		3.8	
D2487	Sand	03/18/10		%	1		71.2	
D2487	Fines	03/18/10		%	1		25.0	
D2487	Group Name	03/18/10			1		Silty sand	
D2487	Group Symbol	03/18/10			1		SM	
D2974	Organic Soils	03/10/10		%	1	0.0	23.9	
D4318	Liquid Limit	03/10/10			1		0	
D4318	Plasticity Index	03/10/10			1		NP	
D4318	Plastic Limit	03/10/10			1		0	

ASTM Method D2487: Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)

Client Code: BBLKAL
ETR: 136215
SDG: KAL533

Analysis Date: 3/18/2010
Analysis Time: 0818
Analyst: DJP

Laboratory Number	Group Name	Group Symbol	Distribution Gravel (%)	Sand (%)	Fines (%)	Shape (≥2000 um)	Hardness (≥2000 um)	Liquid Limit	Plasticity Index
821804	Silty sand	SM	3.8	71.2	25.0	subrounded	hard	0	NP

The following methods were used in support of ASTM D2487 Classification:
ASTM D422 - Standard Test Method for Particle Size Analysis of Soils
ASTM D4318 - Standard Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils

ASTM Method D2974: Standard Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils
Calculations

Client Code: BBLKAL
ETR: 136215
SDG: KAL533

Start Date: 03/10/10
Start Time: 2200
End Date: 03/13/10
Analyst: MAP

Laboratory Number	Weight of Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Pan+ Ashed Sample (g)	Wet Sample (g)	Dry Sample (g)	Organic Matter (g)	Moisture Content (%)	Organic Matter (%)	Ash Content (%)
821804	3.96	83.10	52.54	40.93	79.14	48.58	11.61	62.9	23.9	76.1

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

Client Code:	BBLKAL	**Start Date:**	3/10/2010
ETR:	136215	**Start Time:**	2200
SDG:	KAL533	**End Date:**	3/10/2010
		Analyst:	MAP

Liquid Limit Test Multi-points Analysis

	15 to 25					20 to 30					25 to 35				
Laboratory Number	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Closure (blows)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)
821804															

Client Code:	BBLKAL	**Start Date:**	3/10/2010
ETR:	136215	**Start Time:**	2200

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

SDG: KAL533

End Date: 3/10/2010
Analyst: MAP

Plasticity Limit Test										
	1					2				
Laboratory Number	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)	Pan #	Pan (g)	Pan + Wet Sample (g)	Pan +Dry Sample (g)	Water Content (%)
821804										

ASTM Method D4318: Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils Calculations

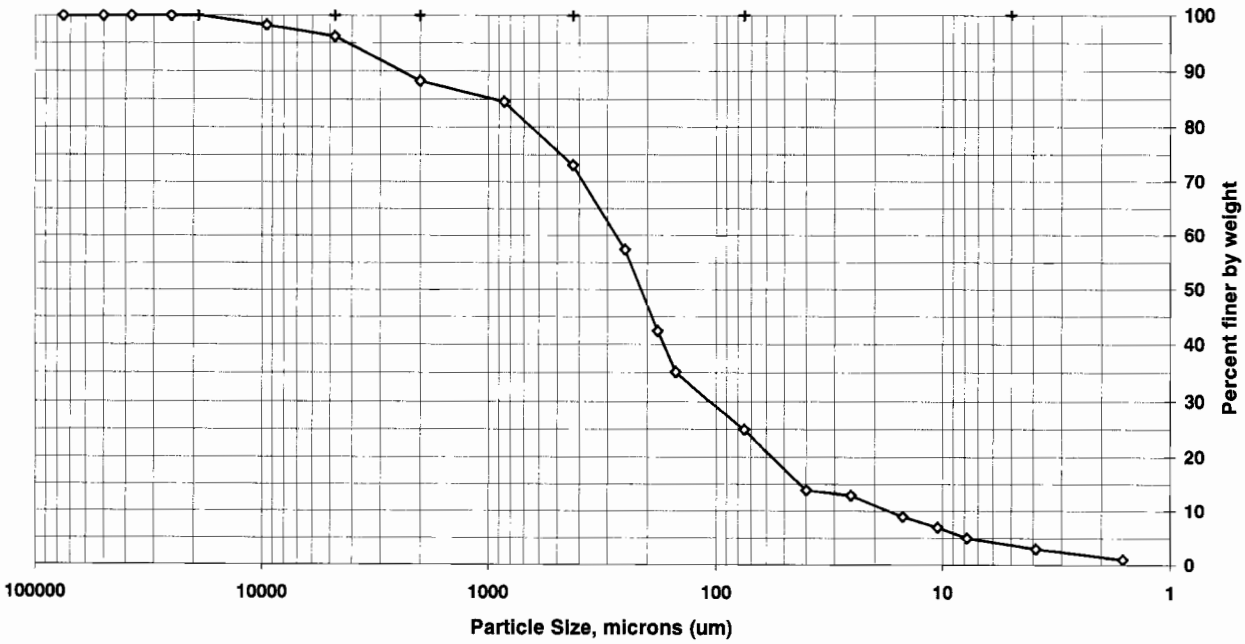
Client Code:	BBLKAL	**Start Date:**	3/10/2010
ETR:	136215	**Start Time:**	2200
SDG:	KAL533	**End Date:**	3/10/2010
		Analyst:	MAP

	Liquid Limit Test						Plasticity Limit Test						
	15 to 25		20 to 30		25 to 35								
Laboratory Number	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Closure (blows)**	**Water Content (%)**	**Water Content (%)**	**Water Content (%)**	**Liquid Limit**	**Plastic Limit**	**Plasticity Index**	**Air Dried**	**Percent Retained on #40 Sieve (%)**
821804									0	0	NP	NO	

Particle Size of Soils by ASTM D422

Client Code:	BBLKAL	**SDG:**	KAL533	**Date Received:**	3/5/2010
Sample ID:	TS10081	**ETR(s):**	136215	**Start Date:**	3/5/2010
Lab ID:	821804			**End Date:**	3/15/2010

Percent Solids:	61.6%	**Non-soil material:**	plant
Specific Gravity:	2.301	**Shape (> #10):**	subrounded
Maximum Particle Size:	19 mm	**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	98.3	1.7
#4	4750	96.2	2.1
#10	2000	88.2	8.0
#20	850	84.6	3.6
#40	425	73.1	11.5
#60	250	57.4	15.7
#80	180	42.4	15.0
#100	150	35.1	7.3
#200	75	25.0	10.2
Hydrometer	40.0	13.9	11.1
|	25.4	12.9	1.0
|	15.0	8.9	4.0
|	10.5	6.9	2.0
|	7.8	5.0	2.0
|	3.9	3.0	2.0
V	1.6	1.0	2.0

Soil Classification	Percent of Total Sample
Gravel	3.8
Sand	71.2
Coarse Sand	8.0
Medium Sand	15.1
Fine Sand	48.1
Silt	20.0
Clay	5.0

Preparation Method: **D2217**
Dispersion Device: Mechanical mixer with a metal paddle.
Dispersion Period: 1 minute

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	8.2	U
74-87-3	Chloromethane	8.2	U
75-01-4	Vinyl Chloride	8.2	U
74-83-9	Bromomethane	8.2	U
75-00-3	Chloroethane	8.2	U
75-69-4	Trichlorofluoromethane	8.2	U
75-35-4	1,1-Dichloroethene	8.2	U
76-13-1	Freon TF	8.2	U
67-64-1	Acetone	120	
75-15-0	Carbon Disulfide	8.2	U
75-09-2	Methylene Chloride	8.2	U
156-60-5	trans-1,2-Dichloroethene	8.2	U
1634-04-4	Methyl-t-Butyl Ether	8.2	U
75-34-3	1,1-Dichloroethane	8.2	U
156-59-2	cis-1,2-Dichloroethene	8.2	U
78-93-3	2-Butanone	5.8	J
74-97-5	Bromochloromethane	8.2	U
67-66-3	Chloroform	8.2	U
71-55-6	1,1,1-Trichloroethane	8.2	U
56-23-5	Carbon Tetrachloride	8.2	U
71-43-2	Benzene	8.2	U
107-06-2	1,2-Dichloroethane	8.2	U
79-01-6	Trichloroethene	8.2	U
78-87-5	1,2-Dichloropropane	8.2	U
75-27-4	Bromodichloromethane	8.2	U
10061-01-5	cis-1,3-Dichloropropene	8.2	U
108-10-1	4-Methyl-2-pentanone	8.2	U
108-88-3	Toluene	8.2	U
10061-02-6	trans-1,3-Dichloropropene	8.2	U
79-00-5	1,1,2-Trichloroethane	8.2	U
127-18-4	Tetrachloroethene	8.2	U
591-78-6	2-Hexanone	2.5	J
124-48-1	Dibromochloromethane	8.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	8.2	U
108-90-7	Chlorobenzene	8.2	U
100-41-4	Ethylbenzene	8.2	U
1330-20-7	Xylene (total)	8.2	U
100-42-5	Styrene	8.2	U
75-25-2	Bromoform	8.2	U
98-82-8	Isopropylbenzene	8.2	U
79-34-5	1,1,2,2-Tetrachloroethane	8.2	U
541-73-1	1,3-Dichlorobenzene	1.7	J
106-46-7	1,4-Dichlorobenzene	2.3	J
95-50-1	1,2-Dichlorobenzene	1.6	J
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	J
120-82-1	1,2,4-Trichlorobenzene	3.3	J
87-61-6	1,2,3-Trichlorobenzene	3.4	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.06	9.8	JB
2.	UNKNOWN	22.80	10	JB
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804I2

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	8.2	U
74-87-3	Chloromethane	8.2	U
75-01-4	Vinyl Chloride	8.2	U
74-83-9	Bromomethane	8.2	U
75-00-3	Chloroethane	8.2	U
75-69-4	Trichlorofluoromethane	8.2	U
75-35-4	1,1-Dichloroethene	8.2	U
76-13-1	Freon TF	8.2	U
67-64-1	Acetone	220	
75-15-0	Carbon Disulfide	8.2	U
75-09-2	Methylene Chloride	8.2	U
156-60-5	trans-1,2-Dichloroethene	8.2	U
1634-04-4	Methyl-t-Butyl Ether	8.2	U
75-34-3	1,1-Dichloroethane	8.2	U
156-59-2	cis-1,2-Dichloroethene	8.2	U
78-93-3	2-Butanone	6.3	J
74-97-5	Bromochloromethane	8.2	U
67-66-3	Chloroform	8.2	U
71-55-6	1,1,1-Trichloroethane	8.2	U
56-23-5	Carbon Tetrachloride	8.2	U
71-43-2	Benzene	8.2	U
107-06-2	1,2-Dichloroethane	8.2	U
79-01-6	Trichloroethene	8.2	U
78-87-5	1,2-Dichloropropane	8.2	U
75-27-4	Bromodichloromethane	8.2	U
10061-01-5	cis-1,3-Dichloropropene	8.2	U
108-10-1	4-Methyl-2-pentanone	8.2	U
108-88-3	Toluene	8.2	U
10061-02-6	trans-1,3-Dichloropropene	8.2	U
79-00-5	1,1,2-Trichloroethane	8.2	U
127-18-4	Tetrachloroethene	8.2	U
591-78-6	2-Hexanone	8.2	U
124-48-1	Dibromochloromethane	8.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804I2

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	8.2	U
108-90-7	Chlorobenzene	8.2	U
100-41-4	Ethylbenzene	8.2	U
1330-20-7	Xylene (total)	8.2	U
100-42-5	Styrene	8.2	U
75-25-2	Bromoform	8.2	U
98-82-8	Isopropylbenzene	8.2	U
79-34-5	1,1,2,2-Tetrachloroethane	8.2	U
541-73-1	1,3-Dichlorobenzene	1.7	J
106-46-7	1,4-Dichlorobenzene	2.7	J
95-50-1	1,2-Dichlorobenzene	1.6	J
96-12-8	1,2-Dibromo-3-Chloropropane	3.3	J
120-82-1	1,2,4-Trichlorobenzene	3.4	J
87-61-6	1,2,3-Trichlorobenzene	3.7	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BBLKAL SAMPLE NO.

TS10081RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 821804I2

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: not dec. 39 Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	21.05	14	JB
2.	UNKNOWN	22.79	19	JB
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK031810NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAAB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK031810NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAAB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK031810NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAAB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	21.04	7.6	J
2.		UNKNOWN	22.78	7.9	J
3.					
4.					
5.					
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FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA031810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: NA031810LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAA050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	45	
74-87-3	Chloromethane	44	
75-01-4	Vinyl Chloride	43	
74-83-9	Bromomethane	38	
75-00-3	Chloroethane	44	
75-69-4	Trichlorofluoromethane	46	
75-35-4	1,1-Dichloroethene	45	
76-13-1	Freon TF	44	
67-64-1	Acetone	40	
75-15-0	Carbon Disulfide	43	
75-09-2	Methylene Chloride	44	
156-60-5	trans-1,2-Dichloroethene	45	
1634-04-4	Methyl-t-Butyl Ether	45	
75-34-3	1,1-Dichloroethane	45	
156-59-2	cis-1,2-Dichloroethene	45	
78-93-3	2-Butanone	51	
74-97-5	Bromochloromethane	45	
67-66-3	Chloroform	46	
71-55-6	1,1,1-Trichloroethane	46	
56-23-5	Carbon Tetrachloride	46	
71-43-2	Benzene	46	
107-06-2	1,2-Dichloroethane	46	
79-01-6	Trichloroethene	47	
78-87-5	1,2-Dichloropropane	46	
75-27-4	Bromodichloromethane	47	
10061-01-5	cis-1,3-Dichloropropene	48	
108-10-1	4-Methyl-2-pentanone	47	
108-88-3	Toluene	47	
10061-02-6	trans-1,3-Dichloropropene	48	
79-00-5	1,1,2-Trichloroethane	49	
127-18-4	Tetrachloroethene	49	
591-78-6	2-Hexanone	49	
124-48-1	Dibromochloromethane	49	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA031810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: NA031810LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAA050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/18/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	49	
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	48	
1330-20-7	Xylene (total)	140	
100-42-5	Styrene	49	
75-25-2	Bromoform	48	
98-82-8	Isopropylbenzene	47	
79-34-5	1,1,2,2-Tetrachloroethane	48	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-Chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	49	
87-61-6	1,2,3-Trichlorobenzene	50	

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NA031810LCS	96	97	98	96	0
02	MBLK031810NA	105	96	98	96	0
03	TS10081	144	134*	132*	96	2
04	TS10081RE	151	180*	190*	126	2
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - Sample No.: NA031810LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		97	97	80-120
Xylene (o)	50		48	96	85-120
Dichlorodifluoromethane	50		45	90	30-180
Chloromethane	50		44	88	55-150
Vinyl Chloride	50		43	86	65-145
Bromomethane	50		38	76	65-145
Chloroethane	50		44	88	70-135
Trichlorofluoromethane	50		46	92	70-140
1,1-Dichloroethene	50		45	90	75-135
Freon TF	50		44	88	75-140
Acetone	50		40	80	50-130
Carbon Disulfide	50		43	86	80-135
Methylene Chloride	50		44	88	75-140
trans-1,2-Dichloroethen	50		45	90	80-130
Methyl-t-Butyl Ether	50		45	90	85-130
1,1-Dichloroethane	50		45	90	85-120
cis-1,2-Dichloroethene	50		45	90	80-120
2-Butanone	50		51	102	70-135
Bromochloromethane	50		45	90	75-125
Chloroform	50		46	92	85-120
1,1,1-Trichloroethane	50		46	92	80-115
Carbon Tetrachloride	50		46	92	80-115
Benzene	50		46	92	85-120
1,2-Dichloroethane	50		46	92	75-120
Trichloroethene	50		47	94	85-120
1,2-Dichloropropane	50		46	92	85-120
Bromodichloromethane	50		47	94	80-115
cis-1,3-Dichloropropene	50		48	96	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - Sample No.: NA031810LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		47	94	65-135
Toluene	50		47	94	75-125
trans-1,3-Dichloroprope	50		48	96	85-120
1,1,2-Trichloroethane	50		49	98	75-125
Tetrachloroethene	50		49	98	85-120
2-Hexanone	50		49	98	70-135
Dibromochloromethane	50		49	98	80-120
1,2-Dibromoethane	50		49	98	80-120
Chlorobenzene	50		47	94	80-120
Ethylbenzene	50		48	96	80-120
Xylene (total)	150		140	93	85-120
Styrene	50		49	98	80-125
Bromoform	50		48	96	75-130
Isopropylbenzene	50		47	94	85-120
1,1,2,2-Tetrachloroetha	50		48	96	75-125
1,3-Dichlorobenzene	50		48	96	80-120
1,4-Dichlorobenzene	50		48	96	85-120
1,2-Dichlorobenzene	50		47	94	85-120
1,2-Dibromo-3-Chloropro	50		48	96	65-130
1,2,4-Trichlorobenzene	50		49	98	80-125
1,2,3-Trichlorobenzene	50		50	100	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK031810NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: NAAB05 Lab Sample ID: MBLK031810NA

Date Analyzed: 03/18/10 Time Analyzed: 1322

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA031810LCS	NA031810LCS	NAA050Q	1220
02	TS10081	821804	821804	1406
03	TS10081RE	821804R1	821804I2	1508
04				
05				
06				
07				
08				
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: NAA01PV BFB Injection Date: 03/18/10

Instrument ID: N BFB Injection Time: 0750

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	41.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.4 (7.5)1
176	95.0 - 101.0% of mass 174	71.5 (98.8)1
177	5.0 - 9.0% of mass 176	4.6 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NAA005V	03/18/10	0844
02	VSTD020	VSTD020	NAA020V	03/18/10	0915
03	VSTD050	VSTD050	NAA050V	03/18/10	0946
04	VSTD100	VSTD100	NAA100V	03/18/10	1017
05	VSTD200	VSTD200	NAA200V	03/18/10	1048
06	NA031810LCS	NA031810LCS	NAA050Q	03/18/10	1220
07	MBLK031810NA	MBLK031810NA	NAAB05	03/18/10	1322
08	TS10081	821804	821804	03/18/10	1406
09	TS10081RE	821804R1	821804I2	03/18/10	1508
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FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: N Calibration Date(s): 03/18/10 03/18/10

Heated Purge: (Y/N) Y Calibration Time(s): 0844 1048

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAA005V RRF20 =NAA020V
RRF50 =NAA050V RRF100=NAA100V RRF200=NAA200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.863	0.807	0.810	0.863	0.822	0.833	3.3*
Chloromethane *	0.454	0.412	0.408	0.466	0.429	0.434	5.9*
Vinyl Chloride *	0.451	0.435	0.429	0.488	0.461	0.453	5.2*
Bromomethane *	0.539	0.412	0.362	0.342	0.308	0.393	23.0*<-
Chloroethane *	0.273	0.239	0.238	0.244	0.179	0.235	14.7*
Trichlorofluoromethane *	1.019	0.956	1.020	1.025	0.999	1.004	2.9*
1,1-Dichloroethene *	0.444	0.414	0.417	0.401	0.424	0.420	3.7*
Freon TF *	1.035	0.961	0.959	0.912	0.971	0.968	4.6*
Acetone *	0.074	0.064	0.055	0.049	0.054	0.059	16.6*<-
Carbon Disulfide *	1.332	1.238	1.257	1.221	1.304	1.270	3.6*
Methylene Chloride *	0.428	0.415	0.422	0.414	0.444	0.425	2.9*
trans-1,2-Dichloroethene *	0.474	0.440	0.455	0.441	0.464	0.455	3.2*
Methyl-t-Butyl Ether *	0.810	0.791	0.810	0.805	0.839	0.811	2.1*
1,1-Dichloroethane *	0.797	0.758	0.770	0.756	0.785	0.773	2.3*
cis-1,2-Dichloroethene *	0.476	0.435	0.446	0.430	0.426	0.443	4.5*
2-Butanone *	0.029	0.029	0.030	0.028	0.028	0.029	3.4*
Bromochloromethane *	0.314	0.297	0.295	0.289	0.276	0.294	4.8*
Chloroform *	0.860	0.832	0.832	0.821	0.803	0.830	2.5*
1,1,1-Trichloroethane *	0.738	0.730	0.746	0.738	0.723	0.735	1.2*
Carbon Tetrachloride *	0.759	0.760	0.777	0.763	0.752	0.762	1.2*
Benzene *	0.914	0.859	0.861	0.833	0.777	0.849	5.9*
1,2-Dichloroethane *	0.403	0.399	0.404	0.403	0.390	0.400	1.4*
Trichloroethene *	0.641	0.631	0.637	0.613	0.594	0.623	3.1*
1,2-Dichloropropane *	0.543	0.533	0.529	0.524	0.485	0.523	4.2*
Bromodichloromethane *	1.075	1.048	1.058	1.059	1.015	1.051	2.1*
cis-1,3-Dichloropropene *	0.806	0.794	0.822	0.809	0.780	0.802	2.0*
4-Methyl-2-pentanone *	0.402	0.351	0.368	0.354	0.350	0.365	6.1*
Toluene *	0.707	0.697	0.695	0.672	0.659	0.686	2.9*
trans-1,3-Dichloropropene *	0.517	0.526	0.546	0.536	0.530	0.531	2.1*
1,1,2-Trichloroethane *	0.354	0.354	0.359	0.341	0.338	0.349	2.7*
Tetrachloroethene *	0.609	0.590	0.594	0.561	0.554	0.582	4.0*
2-Hexanone *	0.235	0.185	0.193	0.187	0.184	0.197	11.0*
Dibromochloromethane *	0.806	0.795	0.829	0.809	0.808	0.809	1.5*
1,2-Dibromoethane *	0.680	0.666	0.687	0.667	0.652	0.670	2.0*
Chlorobenzene *	1.025	0.989	0.998	0.961	0.954	0.985	2.9*
Ethylbenzene *	1.423	1.366	1.392	1.332	1.295	1.362	3.7*
Xylene (total) *	0.547	0.532	0.538	0.521	0.496	0.527	3.7*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: N Calibration Date(s): 03/18/10 03/18/10

Heated Purge: (Y/N) Y Calibration Time(s): 0844 1048

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAA005V RRF20 =NAA020V
RRF50 =NAA050V RRF100=NAA100V RRF200=NAA200V

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene	*	0.894	0.913	0.916	0.894	0.840	0.891	3.4*
Bromoform	*	0.595	0.590	0.623	0.597	0.596	0.600	2.1*
Isopropylbenzene	*	2.677	2.553	2.697	2.613	2.530	2.614	2.8*
1,1,2,2-Tetrachloroethane	*	1.346	1.250	1.320	1.247	1.191	1.271	4.9*
1,3-Dichlorobenzene	*	1.554	1.456	1.480	1.458	1.466	1.483	2.8*
1,4-Dichlorobenzene	*	1.666	1.529	1.540	1.518	1.471	1.545	4.7*
1,2-Dichlorobenzene	*	1.447	1.368	1.405	1.359	1.345	1.385	3.0*
1,2-Dibromo-3-Chloropropane	*	0.269	0.250	0.276	0.282	0.281	0.272	4.8*
1,2,4-Trichlorobenzene	*	1.144	1.041	1.142	1.144	1.091	1.112	4.1*
1,2,3-Trichlorobenzene	*	1.040	0.955	1.038	1.048	0.992	1.015	3.9*
1,2-Dichloroethane-d4	*	0.336	0.333	0.340	0.337	0.332	0.336	1.0*
Toluene-d8	*	1.105	1.073	1.072	1.045	1.030	1.065	2.7*
Bromofluorobenzene	*	1.344	1.280	1.342	1.306	1.284	1.311	2.3*
1,2-Dichlorobenzene-d4	*	0.983	0.906	0.938	0.934	0.948	0.942	2.9*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): NAA050V Date Analyzed: 03/18/10

Instrument ID: N Time Analyzed: 0946

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	3924583	9.54	5045832	15.46	2891675	19.92
	UPPER LIMIT	7849166	10.04	10091664	15.96	5783350	20.42
	LOWER LIMIT	1962292	9.04	2522916	14.96	1445838	19.42
	CLIENT SAMPLE NO.						
01	NA031810LCS	4142579	9.54	5211041	15.47	3069788	19.92
02	MBLK031810NA	3581403	9.54	4778633	15.46	2798612	19.92
03	TS10081	1835466*	9.52	1705096*	15.46	686005*	19.93
04	TS10081RE	1631078*	9.53	1243329*	15.46	367381*	19.93
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: 39 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/17/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	560	U
108-95-2	Phenol	560	U
111-44-4	bis(2-Chloroethyl)Ether	560	U
95-57-8	2-Chlorophenol	560	U
95-48-7	2-Methylphenol	560	U
108-60-1	2,2'-oxybis(1-Chloropropane)	560	U
98-86-2	Acetophenone	560	U
106-44-5	4-Methylphenol	560	U
621-64-7	N-Nitroso-di-n-propylamine	560	U
67-72-1	Hexachloroethane	560	U
98-95-3	Nitrobenzene	560	U
78-59-1	Isophorone	560	U
88-75-5	2-Nitrophenol	560	U
105-67-9	2,4-Dimethylphenol	560	U
111-91-1	bis(2-Chloroethoxy)methane	560	U
120-83-2	2,4-Dichlorophenol	560	U
91-20-3	Naphthalene	560	U
106-47-8	4-Chloroaniline	560	U
87-68-3	Hexachlorobutadiene	560	U
105-60-2	Caprolactam	560	U
59-50-7	4-Chloro-3-Methylphenol	560	U
91-57-6	2-Methylnaphthalene	560	U
95-94-3	1,2,4,5-Tetrachlorobenzene	560	U
77-47-4	Hexachlorocyclopentadiene	560	U
88-06-2	2,4,6-Trichlorophenol	560	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	560	U
92-52-4	1,1'-Biphenyl	560	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	560	U
208-96-8	Acenaphthylene	560	U
606-20-2	2,6-Dinitrotoluene	560	U
99-09-2	3-Nitroaniline	1400	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 821804

Level: (low/med) LOW Date Received: 03/05/10

% Moisture: 39 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/17/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	560	U
51-28-5	2,4-Dinitrophenol	1400	U
132-64-9	Dibenzofuran	560	U
100-02-7	4-Nitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	560	U
86-73-7	Fluorene	560	U
84-66-2	Diethylphthalate	560	U
7005-72-3	4-Chlorophenyl-phenylether	560	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-nitrosodiphenylamine (1)	560	U
101-55-3	4-Bromophenyl-phenylether	560	U
118-74-1	Hexachlorobenzene	560	U
1912-24-9	Atrazine	560	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	560	U
120-12-7	Anthracene	560	U
86-74-8	Carbazole	560	U
84-74-2	Di-n-butylphthalate	560	U
206-44-0	Fluoranthene	560	U
129-00-0	Pyrene	560	U
85-68-7	Butylbenzylphthalate	29	J
56-55-3	Benzo(a)anthracene	560	U
91-94-1	3,3'-Dichlorobenzidine	560	U
218-01-9	Chrysene	560	U
117-81-7	bis(2-Ethylhexyl)phthalate	66	JB
117-84-0	Di-n-octylphthalate	560	U
205-99-2	Benzo(b)fluoranthene	560	U
207-08-9	Benzo(k)fluoranthene	560	U
50-32-8	Benzo(a)pyrene	560	U
193-39-5	Indeno(1,2,3-cd)pyrene	560	U
53-70-3	Dibenz(a,h)anthracene	560	U
191-24-2	Benzo(g,h,i)perylene	560	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK030910B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK030910B

Sample wt/vol: 29.5 (g/mL) G Lab File ID: B0309B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
98-86-2	Acetophenone	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	840	U
91-58-7	2-Chloronaphthalene	340	U
92-52-4	1,1'-Biphenyl	340	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	840	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK030910B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK030910B

Sample wt/vol: 29.5 (g/mL) G Lab File ID: B0309B

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	840	U
132-64-9	Dibenzofuran	340	U
100-02-7	4-Nitrophenol	840	U
121-14-2	2,4-Dinitrotoluene	340	U
86-73-7	Fluorene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-methylphenol	840	U
86-30-6	N-nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
56-55-3	Benzo(a)anthracene	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	16	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: B030910LCS

Sample wt/vol: 29.7 (g/mL) G Lab File ID: Q0309B2

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	1500	
95-57-8	2-Chlorophenol	1500	
95-48-7	2-Methylphenol	1500	
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	1500	
621-64-7	N-Nitroso-di-n-propylamine	1600	
67-72-1	Hexachloroethane	1500	
98-95-3	Nitrobenzene	1500	
78-59-1	Isophorone	1600	
88-75-5	2-Nitrophenol	1500	
105-67-9	2,4-Dimethylphenol	1400	
111-91-1	bis(2-Chloroethoxy)methane	1500	
120-83-2	2,4-Dichlorophenol	1500	
91-20-3	Naphthalene	1500	
106-47-8	4-Chloroaniline	410	
87-68-3	Hexachlorobutadiene	1500	
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	1600	
91-57-6	2-Methylnaphthalene	1600	
95-94-3	1,2,4,5-Tetrachlorobenzene	1400	
77-47-4	Hexachlorocyclopentadiene	1600	
88-06-2	2,4,6-Trichlorophenol	1500	
95-95-4	2,4,5-Trichlorophenol	1600	
91-58-7	2-Chloronaphthalene	1400	
92-52-4	1,1'-Biphenyl	330	U
88-74-4	2-Nitroaniline	1600	
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1600	
606-20-2	2,6-Dinitrotoluene	1600	
99-09-2	3-Nitroaniline	860	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

B030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: B030910LCS

Sample wt/vol: 29.7 (g/mL) G Lab File ID: Q0309B2

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 03/09/10

Concentrated Extract Volume: 500(uL) Date Analyzed: 03/18/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1500	
51-28-5	2,4-Dinitrophenol	1700	
132-64-9	Dibenzofuran	1600	
100-02-7	4-Nitrophenol	1600	
121-14-2	2,4-Dinitrotoluene	1700	
86-73-7	Fluorene	1600	
84-66-2	Diethylphthalate	1700	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1500	
534-52-1	4,6-Dinitro-2-methylphenol	1700	
86-30-6	N-nitrosodiphenylamine (1)	1500	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1600	
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1500	
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	1800	
56-55-3	Benzo(a)anthracene	1600	
91-94-1	3,3'-Dichlorobenzidine	950	
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl)phthalate	1700	B
117-84-0	Di-n-octylphthalate	1500	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	2000	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1600	
53-70-3	Dibenz(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	1600	

(1) - Cannot be separated from Diphenylamine

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Level:(low/med) LOW

	BBLKAL SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (2CP) #	S4 (DCB) #	S5 (NBZ) #	S6 (FBP) #	S7 (TBP) #	S8 (TPH) #	TOT OUT
01	TS10081	67	66	69	65	66	72	62	66	0
02	MBLK030910B	65	63	67	60	63	66	67	63	0
03	B030910LCS	78	78	82	76	77	77	82	87	0
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		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - STLVT Sample No.: B030910LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	1700		1600	94	60-140
bis(2-Chloroethyl)Ether	1700		1500	88	60-125
2-Chlorophenol	1700		1500	88	60-125
2-Methylphenol	1700		1500	88	50-135
2,2'-oxybis(1-Chloropro	1700		1500	88	60-130
4-Methylphenol	1700		1500	88	35-140
N-Nitroso-di-n-prop.(1)	1700		1600	94	45-125
Hexachloroethane	1700		1500	88	55-120
Nitrobenzene	1700		1500	88	55-120
Isophorone	1700		1600	94	50-115
2-Nitrophenol	1700		1500	88	55-135
2,4-Dimethylphenol	1700		1400	82	25-150
bis(2-Chloroethoxy)meth	1700		1500	88	55-125
2,4-Dichlorophenol	1700		1500	88	55-130
Naphthalene	1700		1500	88	55-120
4-Chloroaniline	1700		410	24	10- 90
Hexachlorobutadiene	1700		1500	88	50-130
4-Chloro-3-Methylphenol	1700		1600	94	60-140
2-Methylnaphthalene	1700		1600	94	45-150
Hexachlorocyclopentadie	1700		1600	94	30-105
2,4,6-Trichlorophenol	1700		1500	88	60-135
2,4,5-Trichlorophenol	1700		1600	94	60-130
2-Chloronaphthalene	1700		1400	82	45-120
2-Nitroaniline	1700		1600	94	50-125
Dimethylphthalate	1700		1600	94	55-120
Acenaphthylene	1700		1600	94	50-115
2,6-Dinitrotoluene	1700		1600	94	55-130
3-Nitroaniline	1700		860	50	20- 85

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - STLVT Sample No.: B030910LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Acenaphthene	1700		1500	88	55-120
2,4-Dinitrophenol	1700		1700	100	25-160
Dibenzofuran	1700		1600	94	55-120
4-Nitrophenol	1700		1600	94	30-155
2,4-Dinitrotoluene	1700		1700	100	50-120
Fluorene	1700		1600	94	50-125
Diethylphthalate	1700		1700	100	50-125
4-Chlorophenyl-phenylet	1700		1600	94	50-120
4-Nitroaniline	1700		1500	88	25-115
4,6-Dinitro-2-methylphe	1700		1700	100	55-160
N-nitrosodiphenylamine	1700		1500	88	45-130
4-Bromophenyl-phenyleth	1700		1500	88	55-130
Hexachlorobenzene	1700		1600	94	55-125
Pentachlorophenol	1700		1400	82	50-140
Phenanthrene	1700		1500	88	60-125
Anthracene	1700		1500	88	60-125
Carbazole	1700		1600	94	55-125
Di-n-butylphthalate	1700		1600	94	50-120
Fluoranthene	1700		1500	88	50-120
Pyrene	1700		1900	112	35-175
Butylbenzylphthalate	1700		1800	106	65-145
Benzo(a)anthracene	1700		1600	94	55-130
3,3'-Dichlorobenzidine	1700		950	56	10-120
Chrysene	1700		1600	94	60-125
bis(2-Ethylhexyl)phthal	1700		1700	100	55-140
Di-n-octylphthalate	1700		1500	88	60-135
Benzo(b)fluoranthene	1700		1600	94	45-130
Benzo(k)fluoranthene	1700		2000	118	60-125

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - STLVT Sample No.: B030910LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Benzo(a)pyrene	1700		1700	100	55-120
Indeno(1,2,3-cd)pyrene	1700		1600	94	55-135
Dibenz(a,h)anthracene	1700		1500	88	35-145
Benzo(g,h,i)perylene	1700		1600	94	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 60 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK030910B

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: B0309B Lab Sample ID: MBLK030910B

Instrument ID: P Date Extracted: 03/09/10

Matrix: (soil/water) SOIL Date Analyzed: 03/18/10

Level:(low/med) LOW Time Analyzed: 1202

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	TS10081	821804	821804	03/17/10
02	B030910LCS	B030910LCS	Q0309B2	03/18/10
03				
04				
05				
06				
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COMMENTS:

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: PGK07PS DFTPP Injection Date: 03/17/10

Instrument ID: P DFTPP Injection Time: 1023

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	74.9
70	Less than 2.0% of mass 69	0.4 (0.5)1
127	40.0 - 60.0% of mass 198	58.4
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	21.5
365	Greater than 1.0% of mass 198	3.24
441	Present, but less than mass 443	15.4
442	Greater than 40.0% of mass 198	100.2
443	17.0 - 23.0% of mass 442	18.8 (18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD140	SSTD140	PGK140I2	03/17/10	1125
02	SSTD160	SSTD160	PGK160I2	03/17/10	1203
03	SSTD120	SSTD120	PGK120	03/17/10	1242
04	SSTD100	SSTD100	PGK100	03/17/10	1320
05	SSTD080	SSTD080	PGK080	03/17/10	1359
06	SSTD050	SSTD050	PGK050	03/17/10	1438
07	SSTD020	SSTD020	PGK020	03/17/10	1516
08	SSTD320	SSTD320	PGK320	03/17/10	1555
09	TS10081	821804	821804	03/17/10	2219
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID: PGK09PS DFTPP Injection Date: 03/18/10

Instrument ID: P DFTPP Injection Time: 1023

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	49.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	72.8
70	Less than 2.0% of mass 69	0.3 (0.4)1
127	40.0 - 60.0% of mass 198	57.2
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	20.8
365	Greater than 1.0% of mass 198	2.98
441	Present, but less than mass 443	15.3
442	Greater than 40.0% of mass 198	94.3
443	17.0 - 23.0% of mass 442	18.0 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	SSTD080	PGK080A	03/18/10	1045
02	MBLK030910B	MBLK030910B	B0309B	03/18/10	1202
03	B030910LCS	B030910LCS	Q0309B2	03/18/10	1400
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6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =pgk020.d RRF50 =pgk050.d
RRF80 =pgk080.d RRF100=pgk100.d RRF120=pgk120.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD	
Benzaldehyde		1.279	1.088	0.906	0.817	0.761			
Phenol	*	1.770	1.845	1.775	1.825	1.802			*
bis(2-Chloroethyl)Ether		1.478	1.563	1.515	1.538	1.518			
2-Chlorophenol		1.565	1.582	1.539	1.525	1.547			
2-Methylphenol		1.153	1.162	1.164	1.150	1.145			
2,2'-oxybis(1-Chloropropane		1.727	1.759	1.740	1.737	1.768			
Acetophenone		1.945	1.886	1.816	1.836	1.857			
4-Methylphenol		1.470	1.495	1.485	1.520	1.465			
N-Nitroso-di-n-propylamine	#	1.076	1.132	1.072	1.099	1.077			#
Hexachloroethane		0.740	0.768	0.772	0.759	0.762			
Nitrobenzene		0.443	0.438	0.442	0.436	0.453			
Isophorone		0.757	0.784	0.762	0.760	0.776			
2-Nitrophenol	*	0.225	0.228	0.232	0.226	0.229			*
2,4-Dimethylphenol		0.375	0.388	0.383	0.388	0.392			
bis(2-Chloroethoxy)methane		0.456	0.451	0.438	0.427	0.438			
2,4-Dichlorophenol	*	0.307	0.304	0.298	0.295	0.304			*
Naphthalene		1.107	1.109	1.084	1.096	1.121			
4-Chloroaniline		0.468	0.472	0.461	0.469	0.471			
Hexachlorobutadiene	*	0.173	0.178	0.170	0.172	0.178			*
Caprolactam		0.130	0.127	0.126	0.125	0.120			
4-Chloro-3-Methylphenol	*	0.326	0.328	0.322	0.310	0.313			*
2-Methylnaphthalene		0.251	0.250	0.239	0.233	0.235			
1,2,4,5-Tetrachlorobenzene		0.613	0.612	0.588	0.578	0.601			
Hexachlorocyclopentadiene	#	0.212	0.283	0.297	0.310	0.338			#
2,4,6-Trichlorophenol	*	0.406	0.423	0.401	0.398	0.414			*
2,4,5-Trichlorophenol			0.434	0.418	0.423	0.432			
2-Chloronaphthalene		0.544	0.555	0.519	0.524	0.538			
1,1'-Biphenyl		1.588	1.523	1.422	1.435	1.503			
2-Nitroaniline			0.478	0.471	0.463	0.493			
Dimethylphthalate		1.373	1.399	1.326	1.311	1.396			
Acenaphthylene		1.963	1.990	1.916	1.917	2.069			
2,6-Dinitrotoluene		0.345	0.369	0.352	0.347	0.360			
3-Nitroaniline			0.434	0.422	0.411	0.440			
Acenaphthene	*	1.160	1.158	1.149	1.093	1.173			*
2,4-Dinitrophenol	#		0.151	0.175	0.191	0.208			#
Dibenzofuran		1.665	1.676	1.625	1.583	1.674			
4-Nitrophenol	#		0.372	0.374	0.370	0.397			#

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =pgk020.d RRF50 =pgk050.d
RRF80 =pgk080.d RRF100=pgk100.d RRF120=pgk120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.443	0.451	0.440	0.432	0.462		
Fluorene	1.336	1.363	1.296	1.278	1.349		
Diethylphthalate	1.497	1.460	1.412	1.386	1.476		
4-Chlorophenyl-phenylether	0.614	0.618	0.583	0.573	0.602		
4-Nitroaniline		0.445	0.434	0.424	0.437		
4,6-Dinitro-2-methylphenol		0.131	0.139	0.145	0.153		
N-nitrosodiphenylamine (1) *	0.660	0.690	0.665	0.672	0.645		*
4-Bromophenyl-phenylether	0.218	0.222	0.219	0.221	0.214		
Hexachlorobenzene	0.249	0.242	0.237	0.244	0.244		
Atrazine	0.203	0.196	0.188	0.188	0.196		
Pentachlorophenol *		0.166	0.166	0.173	0.175		*
Phenanthrene	1.116	1.147	1.093	1.106	1.120		
Anthracene	1.083	1.117	1.099	1.113	1.108		
Carbazole	1.086	1.089	1.092	1.081	1.098		
Di-n-butylphthalate	1.444	1.552	1.533	1.502	1.559		
Fluoranthene *	1.128	1.161	1.127	1.134	1.132		*
Pyrene	1.168	1.189	1.132	1.112	1.157		
Butylbenzylphthalate	0.655	0.707	0.670	0.670	0.707		
Benzo(a)anthracene	1.099	1.110	1.080	1.108	1.116		
3,3'-Dichlorobenzidine	0.398	0.384	0.367	0.344	0.363		
Chrysene	1.053	1.011	1.002	0.977	1.022		
bis(2-Ethylhexyl)phthalate	0.858	0.893	0.876	0.863	0.902		
Di-n-octylphthalate *	1.402	1.583	1.586	1.623	1.649		*
Benzo(b)fluoranthene	0.936	1.103	1.062	1.104	1.088		
Benzo(k)fluoranthene	1.424	1.133	1.101	1.124	1.166		
Benzo(a)pyrene *	1.114	0.995	0.942	0.992	1.005		*
Indeno(1,2,3-cd)pyrene	1.298	1.316	1.318	1.433	1.463		
Dibenz(a,h)anthracene	1.020	1.060	1.085	1.126	1.164		
Benzo(g,h,i)perylene	1.100	1.193	1.139	1.237	1.306		
2-Fluorophenol	1.588	1.568	1.557	1.546	1.561		
Phenol-d5	2.055	2.025	1.916	1.926	1.987		
2-Chlorophenol-d4	1.611	1.572	1.541	1.512	1.533		
1,2-Dichlorobenzene-d4	1.078	1.040	1.025	1.006	1.038		
Nitrobenzene-d5	0.521	0.477	0.463	0.458	0.486		

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =pgk020.d RRF50 =pgk050.d
RRF80 =pgk080.d RRF100=pgk100.d RRF120=pgk120.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.709	1.511	1.378	1.342	1.462		
2,4,6-Tribromophenol	0.331	0.263	0.245	0.235	0.270		
Terphenyl-d14	1.170	0.916	0.848	0.802	0.924		

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=pgk140i2.d RRF160=pgk160i2.d RRF320=pgk320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD	
Benzaldehyde	0.692	0.602				0.878	26.9	<-
Phenol *	1.801	1.773				1.799	1.6*	
bis(2-Chloroethyl)Ether	1.516	1.515				1.520	1.7	
2-Chlorophenol	1.550	1.511				1.546	1.6	
2-Methylphenol	1.118	1.148				1.148	1.3	
2,2'-oxybis(1-Chloropropane	1.728	1.704				1.738	1.2	
Acetophenone	1.827	1.735				1.843	3.5	
4-Methylphenol	1.473	1.465				1.482	1.4	
N-Nitroso-di-n-propylamine #	1.082	1.068				1.086	2.0#	
Hexachloroethane	0.768	0.744				0.759	1.6	
Nitrobenzene	0.443	0.460				0.445	1.9	
Isophorone	0.748	0.778				0.766	1.7	
2-Nitrophenol *	0.234	0.240				0.230	2.3*	
2,4-Dimethylphenol	0.390	0.397				0.388	1.8	
bis(2-Chloroethoxy)methane	0.452	0.465				0.447	2.9	
2,4-Dichlorophenol *	0.295	0.311				0.302	2.1*	
Naphthalene	1.091	1.144				1.107	1.8	
4-Chloroaniline	0.466	0.489				0.471	1.9	
Hexachlorobutadiene *	0.173	0.176				0.174	1.7*	
Caprolactam	0.122	0.124				0.125	2.7	
4-Chloro-3-Methylphenol *	0.317	0.317				0.319	2.1*	
2-Methylnaphthalene	0.230	0.243				0.240	3.4	
1,2,4,5-Tetrachlorobenzene	0.618	0.568				0.597	3.2	
Hexachlorocyclopentadiene #	0.357	0.334				0.304	15.7#	<-
2,4,6-Trichlorophenol *	0.438	0.407				0.412	3.4*	
2,4,5-Trichlorophenol	0.429	0.400				0.423	3.0	
2-Chloronaphthalene	0.533	0.499				0.530	3.4	
1,1'-Biphenyl	1.484	1.310				1.466	6.0	
2-Nitroaniline	0.511	0.446				0.477	4.8	
Dimethylphthalate	1.358	1.248				1.344	4.0	
Acenaphthylene	2.053	1.904				1.973	3.4	
2,6-Dinitrotoluene	0.351	0.333				0.351	3.2	
3-Nitroaniline	0.428	0.394				0.422	4.0	
Acenaphthene *	1.145	1.096				1.139	2.8*	
2,4-Dinitrophenol #	0.208	0.207				0.190	12.2#	
Dibenzofuran	1.665	1.518				1.629	3.7	
4-Nitrophenol #	0.380	0.372				0.378	2.6#	

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=pgk140i2.d RRF160=pgk160i2.d RRF320=pgk320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	0.452	0.421				0.443	3.1
Fluorene	1.314	1.214				1.307	3.9
Diethylphthalate	1.421	1.328				1.426	4.1
4-Chlorophenyl-phenylether	0.586	0.538				0.588	4.6
4-Nitroaniline	0.426	0.405				0.428	3.2
4,6-Dinitro-2-methylphenol	0.138	0.152				0.143	6.2
N-nitrosodiphenylamine (1) *	0.650	0.647				0.661	2.4*
4-Bromophenyl-phenylether	0.212	0.206				0.216	2.6
Hexachlorobenzene	0.233	0.234				0.240	2.5
Atrazine	0.184	0.181				0.191	4.0
Pentachlorophenol *	0.161	0.163				0.167	3.3*
Phenanthrene	1.072	1.072				1.104	2.5
Anthracene	1.048	1.067				1.091	2.4
Carbazole	1.034	1.064				1.078	2.0
Di-n-butylphthalate	1.443	1.537				1.510	3.2
Fluoranthene *	1.107	1.127				1.131	1.4*
Pyrene	1.147	1.121				1.146	2.4
Butylbenzylphthalate	0.685	0.673				0.681	2.9
Benzo(a)anthracene	1.092	1.079				1.098	1.3
3,3'-Dichlorobenzidine	0.367	0.352				0.368	5.0
Chrysene	0.997	0.959				1.003	3.0
bis(2-Ethylhexyl)phthalate	0.905	0.880				0.882	2.1
Di-n-octylphthalate *	1.684	1.639				1.595	5.8*
Benzo(b)fluoranthene	1.087	1.096				1.068	5.6
Benzo(k)fluoranthene	1.014	1.039				1.143	11.8
Benzo(a)pyrene *	0.952	0.955				0.994	5.9*
Indeno(1,2,3-cd)pyrene	1.449	1.571				1.407	7.1
Dibenz(a,h)anthracene	1.143	1.232				1.118	6.3
Benzo(g,h,i)perylene	1.407	1.355				1.248	9.1
2-Fluorophenol	1.546	1.501				1.552	1.7
Phenol-d5	1.966	1.868				1.963	3.3
2-Chlorophenol-d4	1.556	1.456				1.540	3.2
1,2-Dichlorobenzene-d4	1.029	0.981				1.028	2.9
Nitrobenzene-d5	0.485	0.472				0.480	4.3

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date(s): 03/17/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=pgk140i2.d RRF160=pgk160i2.d
RRF320=pgk320.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
2-Fluorobiphenyl	1.499	1.320				1.460	9.1
2,4,6-Tribromophenol	0.262	0.226				0.262	13.2
Terphenyl-d14	0.870	0.790				0.903	14.2

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date: 03/18/10 Time: 1045

Lab File ID: PGK080A Init. Calib. Date(s): 03/17/10 03/17/10

Init. Calib. Times: 1125 1555

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Benzaldehyde	0.878	1.070		21.9	
Phenol	1.799	1.697		5.7	20.0
bis(2-Chloroethyl)Ether	1.520	1.409		7.3	
2-Chlorophenol	1.546	1.443		6.7	
2-Methylphenol	1.148	1.054		8.2	
2,2'-oxybis(1-Chloropropane)	1.738	1.587		8.7	
Acetophenone	1.843	1.788		3.0	
4-Methylphenol	1.482	1.363		8.0	
N-Nitroso-di-n-propylamine	1.086	1.034	0.05	4.8	
Hexachloroethane	0.759	0.704		7.2	
Nitrobenzene	0.445	0.417		6.3	
Isophorone	0.766	0.713		6.9	
2-Nitrophenol	0.230	0.222		3.5	20.0
2,4-Dimethylphenol	0.388	0.356		8.2	
bis(2-Chloroethoxy)methane	0.447	0.410		8.3	
2,4-Dichlorophenol	0.302	0.276		8.6	20.0
Naphthalene	1.107	1.054		4.8	
4-Chloroaniline	0.471	0.439		6.8	
Hexachlorobutadiene	0.174	0.170		2.3	20.0
Caprolactam	0.125	0.114		8.8	
4-Chloro-3-Methylphenol	0.319	0.296		7.2	20.0
2-Methylnaphthalene	0.240	0.223		7.1	
1,2,4,5-Tetrachlorobenzene	0.597	0.573		4.0	
Hexachlorocyclopentadiene	0.304	0.348	0.05	14.5	
2,4,6-Trichlorophenol	0.412	0.392		4.8	20.0
2,4,5-Trichlorophenol	0.423	0.406		4.0	
2-Chloronaphthalene	0.530	0.496		6.4	
1,1'-Biphenyl	1.466	1.406		4.1	
2-Nitroaniline	0.477	0.438		8.2	
Dimethylphthalate	1.344	1.260		6.2	
Acenaphthylene	1.973	1.818		7.8	
2,6-Dinitrotoluene	0.351	0.330		6.0	
3-Nitroaniline	0.422	0.392		7.1	
Acenaphthene	1.139	1.079		5.3	20.0
2,4-Dinitrophenol	0.190	0.170	0.05	10.5	
Dibenzofuran	1.629	1.522		6.6	
4-Nitrophenol	0.378	0.341	0.05	9.8	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date: 03/18/10 Time: 1045

Lab File ID: PGK080A Init. Calib. Date(s): 03/17/10 03/17/10

Init. Calib. Times: 1125 1555

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.443	0.413		6.8	
Fluorene	1.307	1.214		7.1	
Diethylphthalate	1.426	1.297		9.0	
4-Chlorophenyl-phenylether	0.588	0.556		5.4	
4-Nitroaniline	0.428	0.389		9.1	
4,6-Dinitro-2-methylphenol	0.143	0.136		4.9	
N-nitrosodiphenylamine	0.661	0.623		5.7	20.0
4-Bromophenyl-phenylether	0.216	0.208		3.7	
Hexachlorobenzene	0.240	0.229		4.6	
Atrazine	0.191	0.180		5.8	
Pentachlorophenol	0.167	0.164		1.8	20.0
Phenanthrene	1.104	1.023		7.3	
Anthracene	1.091	1.000		8.3	
Carbazole	1.078	1.001		7.1	
Di-n-butylphthalate	1.510	1.392		7.8	
Fluoranthene	1.131	1.019		9.9	20.0
Pyrene	1.146	1.143		0.3	
Butylbenzylphthalate	0.681	0.649		4.7	
Benzo(a)anthracene	1.098	1.027		6.5	
3,3'-Dichlorobenzidine	0.368	0.373		1.4	
Chrysene	1.003	0.948		5.5	
bis(2-Ethylhexyl)phthalate	0.882	0.862		2.3	
Di-n-octylphthalate	1.595	1.612		1.1	20.0
Benzo(b)fluoranthene	1.068	0.920		13.8	
Benzo(k)fluoranthene	1.143	1.232		7.8	
Benzo(a)pyrene	0.994	1.023		2.9	20.0
Indeno(1,2,3-cd)pyrene	1.407	1.219		13.4	
Dibenz(a,h)anthracene	1.118	0.977		12.6	
Benzo(g,h,i)perylene	1.248	1.037		16.9	
2-Fluorophenol	1.552	1.509		2.8	
Phenol-d5	1.963	1.890		3.7	
2-Chlorophenol-d4	1.540	1.533		0.4	
1,2-Dichlorobenzene-d4	1.028	1.022		0.6	
Nitrobenzene-d5	0.480	0.478		0.4	
2-Fluorobiphenyl	1.460	1.410		3.4	
2,4,6-Tribromophenol	0.262	0.244		6.9	

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: P Calibration Date: 03/18/10 Time: 1045

Lab File ID: PGK080A Init. Calib. Date(s): 03/17/10 03/17/10

Init. Calib. Times: 1125 1555

GC Column: RXI-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF80	MIN RRF	%D	MAX %D
Terphenyl-d14	0.903	0.872		3.4	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK050 Date Analyzed: 03/17/10

Instrument ID: P Time Analyzed: 1438

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	210358	5.88	773205	7.98	364207	10.95
	UPPER LIMIT	420716	6.38	1546410	8.48	728414	11.45
	LOWER LIMIT	105179	5.38	386602	7.48	182104	10.45
	STLVT SAMPLE NO.						
01	TS10081	379067	5.90	1358754	7.98	607123	10.94
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK050 Date Analyzed: 03/17/10

Instrument ID: P Time Analyzed: 1438

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	599207	13.40	613260	17.19	653723	18.84
	UPPER LIMIT	1198414	13.90	1226520	17.69	1307446	19.34
	LOWER LIMIT	299604	12.90	306630	16.69	326862	18.34
	STLVT SAMPLE NO.						
01	TS10081	938961	13.41	771255	17.19	704985	18.85
02							
03							
04							
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20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK080A Date Analyzed: 03/18/10

Instrument ID: P Time Analyzed: 1045

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	189647	5.82	683579	7.92	321649	10.88
	UPPER LIMIT	379294	6.32	1367158	8.42	643298	11.38
	LOWER LIMIT	94824	5.32	341790	7.42	160824	10.38
	STLVT SAMPLE NO.						
01	MBLK030910B	269540	5.83	988663	7.91	474517	10.88
02	B030910LCS	248483	5.83	920726	7.92	463561	10.88
03							
04							
05							
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20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab File ID (Standard): PGK080A Date Analyzed: 03/18/10

Instrument ID: P Time Analyzed: 1045

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	514532	13.33	496839	17.12	563936	18.78
	UPPER LIMIT	1029064	13.83	993678	17.62	1127872	19.28
	LOWER LIMIT	257266	12.83	248420	16.62	281968	18.28
	STLVT SAMPLE NO.						
01	MBLK030910B	850541	13.33	866610	17.13	686141	18.77
02	B030910LCS	822335	13.34	711187	17.14	568288	18.77
03							
04							
05							
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18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8080 PCBS

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

TS10081

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL533

Phase Type: SOIL Lab Sample ID: 821804

Phase Weight: 10.11 (g) Date Received: 03/05/10

Injection Volume: 1.0 (uL) Date Extracted: 03/08/10

Dilution Factor: 1.0 Date Analyzed: 03/17/10

% Solids: 61 Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	81	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	81	U
53469-21-9	Aroclor-1242	81	U
12672-29-6	Aroclor-1248	81	U
11097-69-1	Aroclor-1254	81	U
11096-82-5	Aroclor-1260	81	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK308B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL533

Phase Type: SOIL Lab Sample ID: PBLK308B

Phase Weight: 10.11 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 03/08/10

Dilution Factor: 1.0 Date Analyzed: 03/17/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	49	U
11104-28-2	Aroclor-1221	49	U
11141-16-5	Aroclor-1232	49	U
53469-21-9	Aroclor-1242	49	U
12672-29-6	Aroclor-1248	49	U
11097-69-1	Aroclor-1254	49	U
11096-82-5	Aroclor-1260	49	U

FORM 1
AROCLOR ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS308B

Lab Name: TestAmerica Burlington Lab Code: STLV

Contract: 27000 Case: KZOO SDG: KAL533

Phase Type: SOIL Lab Sample ID: PLCS308B

Phase Weight: 10.34 (g) Date Received:

Injection Volume: 1.0 (uL) Date Extracted: 03/08/10

Dilution Factor: 1.0 Date Analyzed: 03/17/10

% Solids: Sulfur Clean-up: N (Y/N)

CAS NO.	COMPOUND	CONCENTRATION ug/Kg	QUALIFIER
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	48	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	440	
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	440	
11096-82-5	Aroclor-1260	48	U

FORM 2
AROCLOR SURROGATE RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL533

EPA SAMPLE NO.	TCX 1 % REC #	TCX 2 % REC #	DCB 1 % REC #	DCB 2 % REC #
PBLK308B	105	98	112	117
PLCS308B	110	105	117	119
TS10081	101	97	101	101

Project Specific QC Limits

TCX = Tetrachloro-meta-Xylene (60 - 150)

DCB = Decachlorobiphenyl (60 - 150)

- Column to be used to flag recovery values

* - Values outside of QC limits

D - Surrogates calculated using diluted analysis

A - Extracted surrogates diluted out, surrogates added to diluted extract as retention time markers.

FORM 3E
AROCLOR
MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Burlington

Contract: 27000

Lab Code: STLV

Case: KZOO

SAS No:

SDG: KAL533

EPA SAMPLE NO.: PLCS308B

Compound	SPIKE ADDED ug/Kg	MSB CONCENTRATION ug/Kg	MSB % REC #	QC LIMITS REC.
Aroclor 1242	484	442	91	39-150
Aroclor 1254	484	444	92	29-131

- Column used to flag recovery and RPD values with an asterisk
* - Values outside of QC limits.

Spike Recovery: 0 out of 2 outside limits.

Comments:

FORM 4
AROCLOR METHOD BLANK SUMMARY

Lab Name:	TestAmerica Burlington	Contract:	27000
Lab Code:	STLV	Case:	KZOO
Lab Sample ID:	PBLK308B	SDG:	KAL533
Matrix:	SOIL	Level:	LOW
Date Extracted:	03/08/10	Date Analyzed(2):	03/17/10
Date Analyzed(1):	03/17/10	Time Analyzed(2):	14:51
Time Analyzed(1):	14:51	GC ID(2):	HP7227
GC ID(1):	HP7227	GC Column(2):	RTX-35
GC Column(1):	RTX-5		

LAB ID	CLIENT ID	DATE ANALYZED 1	DATE ANALYZED 2
PLCS308B	PLCS308B	03/17/10	03/17/10
821804	TS10081	03/17/10	03/17/10

7227_031010F6

CALIBRATION SUMMARY
BACK CALCULATIONS

Lab ID: STL-VT
GC: HP-7227
Col. 1: RTX-5
Col. 2: RTX-35

Calib date(s): 11-Mar-10 0:13 to
11-Mar-10 13:57

File: 1,2 10MAR102256

Standards		50 ppb	100 ppb	200 ppb	400 ppb	800 ppb	%RSD
Aroclor 1016		52.8	104	202	396	795	
	Cal Fact	1.056	1.040	1.010	0.990	0.994	2.8
	% Diff	-6	-4	-1	1	1	
Aroclor 1221		54.8	105	207	401	782	
	Cal Fact	1.096	1.050	1.035	1.003	0.978	4.4
	% Diff	-10	-5	-4	0	2	
Aroclor 1232		52.5	104	206	401	786	
	Cal Fact	1.050	1.040	1.030	1.003	0.983	2.7
	% Diff	-5	-4	-3	0	2	
Aroclor 1242		50.9	101	204	398	795	
	Cal Fact	1.018	1.010	1.020	0.995	0.994	1.2
	% Diff	-2	-1	-2	1	1	
Aroclor 1248		50.7	100	205	414	780	
	Cal Fact	1.014	1.000	1.025	1.035	0.975	2.3
	% Diff	-1	0	-3	-4	3	
Aroclor 1254		51.1	99.7	206	405	788	
	Cal Fact	1.022	0.997	1.030	1.013	0.985	1.8
	% Diff	-2	0	-3	-1	2	
Aroclor 1260		49.3	96.0	194	396	814	
	Cal Fact	0.986	0.960	0.970	0.990	1.018	2.2
	% Diff	1	4	3	1	-2	

Cal Fact = Calc. Conc. / Nominal Conc.

%RSD = STD Dev / Mean of Cal Fact

% Diff = (Nominal Amt-Calc Amt) / Nominal Amt*100

KAL533F7

AROCLOR CHECK STANDARD SUMMARY

Lab ID: STL-VT
GC: HP7227
Col. 1: RTX-5
Col. 2: RTX-35

Initial Calib. 1,2 10MAR102256
date/time: 3/11/2010 0:13 to
3/11/2010 13:57

Check Standard File: 1,2 16MAR102257,38
Date: 3/17/2010
Time: 13:56

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	211	5.5

Check Standard File: 1,2 16MAR102257,39
Date: 3/17/2010
Time: 14:20

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1260	200	208	4.0

Check Standard File: 1,2 17MAR101126,5
Date: 3/17/2010
Time: 16:27

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1248	200	217	8.5

Check Standard File: 1,2 17MAR101126,6
Date: 3/17/2010
Time: 16:52

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.
AR1242	200	209	4.5

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Check Standard File:
Date:
Time:

Compound	Nominal Amount (ppb)	Calc. Amount (ppb)	% Diff.

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-5

Contract: 29000
Case: KZOO
SDG: KAL533
Initial Calib. Date: 10-MAR-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	11-Mar-2010 00:13	3.32	13.48	
AR1016 100ppb	AR1016 100	11-Mar-2010 00:37	3.31	13.47	
AR1016 200ppb	AR1016 200	11-Mar-2010 01:01	3.31	13.47	
AR1016 400ppb	AR1016 400	11-Mar-2010 01:26	3.31	13.47	
AR1016 800ppb	AR1016 800	11-Mar-2010 01:50	3.31	13.47	
AR1221 50ppb	AR1221 50	11-Mar-2010 02:14	3.31	13.47	
AR1221 100ppb	AR1221 100	11-Mar-2010 02:38	3.31	13.47	
AR1221 200ppb	AR1221 200	11-Mar-2010 03:03	3.32	13.47	
AR1221 400ppb	AR1221 400	11-Mar-2010 03:27	3.31	13.47	
AR1221 800ppb	AR1221 800	11-Mar-2010 03:51	3.32	13.47	
AR1232 50ppb	AR1232 50	11-Mar-2010 04:15	3.32	13.48	
AR1232 100ppb	AR1232 100	11-Mar-2010 04:39	3.32	13.48	
AR1232 200ppb	AR1232 200	11-Mar-2010 05:04	3.32	13.48	
AR1232 400ppb	AR1232 400	11-Mar-2010 05:28	3.32	13.48	
AR1232 800ppb	AR1232 800	11-Mar-2010 05:52	3.32	13.48	
AR1242 50ppb	AR1242 50	11-Mar-2010 06:16	3.32	13.48	
AR1242 100ppb	AR1242 100	11-Mar-2010 06:40	3.32	13.48	
AR1242 200ppb	AR1242 200	11-Mar-2010 07:05	3.32	13.48	
AR1242 400ppb	AR1242 400	11-Mar-2010 07:29	3.31	13.47	
AR1242 800ppb	AR1242 800	11-Mar-2010 07:53	3.31	13.47	
AR1248 50ppb	AR1248 50	11-Mar-2010 08:17	3.31	13.47	
AR1248 100ppb	AR1248 100	11-Mar-2010 08:42	3.31	13.47	
AR1248 200ppb	AR1248 200	11-Mar-2010 09:06	3.31	13.47	
AR1248 400ppb	AR1248 400	11-Mar-2010 09:30	3.32	13.47	
AR1248 800ppb	AR1248 800	11-Mar-2010 09:55	3.32	13.47	
AR1254 50ppb	AR1254 50	11-Mar-2010 10:19	3.32	13.48	
AR1254 100ppb	AR1254 100	11-Mar-2010 10:43	3.32	13.48	
AR1254 200ppb	AR1254 200	11-Mar-2010 11:07	3.32	13.48	
AR1254 400ppb	AR1254 400	11-Mar-2010 11:31	3.32	13.48	
AR1254 800ppb	AR1254 800	11-Mar-2010 11:55	3.32	13.47	
AR1260 50ppb	AR1260 50	11-Mar-2010 12:20	3.32	13.48	
AR1260 100ppb	AR1260 100	11-Mar-2010 12:44	3.32	13.48	
AR1260 200ppb	AR1260 200	11-Mar-2010 13:08	3.32	13.48	
AR1260 400ppb	AR1260 400	11-Mar-2010 13:32	3.31	13.46	
AR1260 800ppb	AR1260 800	11-Mar-2010 13:57	3.31	13.47	
AR1248 200ppb	AR1248 200	17-Mar-2010 13:56	3.31	13.46	
AR1260 200ppb	AR1260 200	17-Mar-2010 14:20	3.30	13.46	
PBLK308B	PBLK308B	17-Mar-2010 14:51	3.31	13.46	
PLCS308B	PLCS308B	17-Mar-2010 15:15	3.31	13.46	
821804	TS10081	17-Mar-2010 15:39	3.31	13.46	
AR1248 200ppb	AR1248 200	17-Mar-2010 16:27	3.31	13.46	
AR1242 200ppb	AR1242 200	17-Mar-2010 16:52	3.31	13.47	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.32 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 13.47 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

Form 8 - Analytical Sequence Summary
PCB'S ONLY BY 8080

Lab Name: TestAmerica
Lab Code: STLV
GC ID: HP7227
GC Column: RTX-35

Contract: 29000
Case: KZOO
SDG: KAL533
Initial Calib. Date: 10-MAR-10

LAB ID	CLIENT ID	DATE AND TIME ANALYZED	RETENTION TIMES TCX	DCB	
AR1016 50ppb	AR1016 50	11-Mar-2010 00:13	3.93	14.68	
AR1016 100ppb	AR1016 100	11-Mar-2010 00:37	3.91	14.66	
AR1016 200ppb	AR1016 200	11-Mar-2010 01:01	3.92	14.67	
AR1016 400ppb	AR1016 400	11-Mar-2010 01:26	3.91	14.66	
AR1016 800ppb	AR1016 800	11-Mar-2010 01:50	3.92	14.67	
AR1221 50ppb	AR1221 50	11-Mar-2010 02:14	3.92	14.67	
AR1221 100ppb	AR1221 100	11-Mar-2010 02:38	3.92	14.67	
AR1221 200ppb	AR1221 200	11-Mar-2010 03:03	3.92	14.67	
AR1221 400ppb	AR1221 400	11-Mar-2010 03:27	3.93	14.68	
AR1221 800ppb	AR1221 800	11-Mar-2010 03:51	3.92	14.67	
AR1232 50ppb	AR1232 50	11-Mar-2010 04:15	3.93	14.68	
AR1232 100ppb	AR1232 100	11-Mar-2010 04:39	3.93	14.68	
AR1232 200ppb	AR1232 200	11-Mar-2010 05:04	3.93	14.68	
AR1232 400ppb	AR1232 400	11-Mar-2010 05:28	3.93	14.68	
AR1232 800ppb	AR1232 800	11-Mar-2010 05:52	3.93	14.68	
AR1242 50ppb	AR1242 50	11-Mar-2010 06:16	3.92	14.67	
AR1242 100ppb	AR1242 100	11-Mar-2010 06:40	3.93	14.68	
AR1242 200ppb	AR1242 200	11-Mar-2010 07:05	3.92	14.67	
AR1242 400ppb	AR1242 400	11-Mar-2010 07:29	3.92	14.67	
AR1242 800ppb	AR1242 800	11-Mar-2010 07:53	3.91	14.66	
AR1248 50ppb	AR1248 50	11-Mar-2010 08:17	3.91	14.66	
AR1248 100ppb	AR1248 100	11-Mar-2010 08:42	3.92	14.67	
AR1248 200ppb	AR1248 200	11-Mar-2010 09:06	3.92	14.68	
AR1248 400ppb	AR1248 400	11-Mar-2010 09:30	3.92	14.66	
AR1248 800ppb	AR1248 800	11-Mar-2010 09:55	3.92	14.67	
AR1254 50ppb	AR1254 50	11-Mar-2010 10:19	3.93	14.68	
AR1254 100ppb	AR1254 100	11-Mar-2010 10:43	3.93	14.68	
AR1254 200ppb	AR1254 200	11-Mar-2010 11:07	3.93	14.68	
AR1254 400ppb	AR1254 400	11-Mar-2010 11:31	3.92	14.67	
AR1254 800ppb	AR1254 800	11-Mar-2010 11:55	3.92	14.67	
AR1260 50ppb	AR1260 50	11-Mar-2010 12:20	3.93	14.68	
AR1260 100ppb	AR1260 100	11-Mar-2010 12:44	3.92	14.67	
AR1260 200ppb	AR1260 200	11-Mar-2010 13:08	3.93	14.68	
AR1260 400ppb	AR1260 400	11-Mar-2010 13:32	3.92	14.67	
AR1260 800ppb	AR1260 800	11-Mar-2010 13:57	3.92	14.67	
AR1248 200ppb	AR1248 200	17-Mar-2010 13:56	3.92	14.67	
AR1260 200ppb	AR1260 200	17-Mar-2010 14:20	3.92	14.67	
PBLK308B	PBLK308B	17-Mar-2010 14:51	3.90	14.66	
PLCS308B	PLCS308B	17-Mar-2010 15:15	3.92	14.66	
821804	TS10081	17-Mar-2010 15:39	3.92	14.67	
AR1248 200ppb	AR1248 200	17-Mar-2010 16:27	3.92	14.67	
AR1242 200ppb	AR1242 200	17-Mar-2010 16:52	3.92	14.67	

SURROGATE(S) RT FROM INITIAL CALIBRATION — QC LIMITS

TCX: 3.92 TCX:Tetrachloro-meta-xylene (▪ 0.04 minutes)
DCB: 14.67 DCB:Decachlorobiphenyl (▪ 0.04 minutes)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8081A Pesticide

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10081

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: 821804

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 17MA101342-R031

% Moisture: 39 decanted: (Y/N) N Date Received: 03/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/09/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 03/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.8	U
319-85-7	beta-BHC	2.8	U
319-86-8	delta-BHC	2.8	U
58-89-9	gamma-BHC (Lindane)	2.8	U
76-44-8	Heptachlor	2.8	U
309-00-2	Aldrin	2.8	U
1024-57-3	Heptachlor epoxide	2.8	U
959-98-8	Endosulfan I	2.8	U
60-57-1	Dieldrin	5.5	U
72-55-9	4,4'-DDE	5.5	U
72-20-8	Endrin	5.5	U
33213-65-9	Endosulfan II	5.5	U
72-54-8	4,4'-DDD	5.5	U
1031-07-8	Endosulfan sulfate	5.5	U
50-29-3	4,4'-DDT	5.5	U
72-43-5	Methoxychlor	28	U
53494-70-5	Endrin ketone	5.5	U
7421-93-4	Endrin aldehyde	5.5	U
57-74-9	Chlordane	28	U
8001-35-2	Toxaphene	280	U
5103-74-2	gamma-Chlordane	2.8	U
5103-71-9	alpha-Chlordane	2.8	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK030910C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: MBLK030910C

Sample wt/vol: 30.7 (g/mL) G Lab File ID: 17MA101342-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/09/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 03/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
57-74-9	Chlordane	16	U
8001-35-2	Toxaphene	160	U
5103-74-2	gamma-Chlordane	1.6	U
5103-71-9	alpha-Chlordane	1.6	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix: (soil/water) SOIL Lab Sample ID: C030910LCS

Sample wt/vol: 29.8 (g/mL) G Lab File ID: 17MA101342-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/09/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 03/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.9	
319-85-7	beta-BHC	5.2	
319-86-8	delta-BHC	4.9	
58-89-9	gamma-BHC (Lindane)	4.9	
76-44-8	Heptachlor	5.1	
309-00-2	Aldrin	4.9	
1024-57-3	Heptachlor epoxide	5.2	
959-98-8	Endosulfan I	4.9	
60-57-1	Dieldrin	11	
72-55-9	4,4'-DDE	10	
72-20-8	Endrin	11	
33213-65-9	Endosulfan II	9.7	
72-54-8	4,4'-DDD	11	
1031-07-8	Endosulfan sulfate	8.7	
50-29-3	4,4'-DDT	12	
72-43-5	Methoxychlor	56	
53494-70-5	Endrin ketone	9.6	
7421-93-4	Endrin aldehyde	8.2	
57-74-9	Chlordane	17	U
8001-35-2	Toxaphene	170	U
5103-74-2	gamma-Chlordane	5.2	
5103-71-9	alpha-Chlordane	5.3	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK030910C	80	82	92	94			0
02	C030910LCS	71	72	88	86			0
03	TS10081	54*	55*	59*	57*			4
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (55-130)
S2 (DCB) = Decachlorobiphenyl (60-135)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Matrix Spike - Sample No.: C030910LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
alpha-BHC	6.7		4.9	73	55-130
beta-BHC	6.7		5.2	78	60-130
delta-BHC	6.7		4.9	73	50-135
gamma-BHC (Lindane)	6.7		4.9	73	55-135
Heptachlor	6.7		5.1	76	60-135
Aldrin	6.7		4.9	73	55-135
Heptachlor epoxide	6.7		5.2	78	60-130
Endosulfan I	6.7		4.9	73	55-125
Dieldrin	13		11	85	60-145
4,4'-DDE	13		10	77	60-145
Endrin	13		11	85	60-145
Endosulfan II	13		9.7	75	55-125
4,4'-DDD	13		11	85	60-145
Endosulfan sulfate	13		8.7	67	40-140
4,4'-DDT	13		12	92	60-155
Methoxychlor	67		56	84	65-145
Endrin ketone	13		9.6	74	65-145
Endrin aldehyde	13		8.2	63	15-110
gamma-Chlordane	6.7		5.2	78	60-140
alpha-Chlordane	6.7		5.3	79	60-140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 20 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK030910C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: MBLK030910C Lab File ID: 17MA101342-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 03/09/10

Date Analyzed (1): 03/18/10 Date Analyzed (2): 03/18/10

Time Analyzed (1): 0620 Time Analyzed (2): 0620

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column (1): RTX-CLP ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	C030910LCS	C030910LCS	03/18/10	03/18/10
02	TS10081	821804	03/18/10	03/18/10
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_1 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0315 0534

LAB FILE ID: RF1: 17MA101339-R1RF2: 17MA101339-R0RF3: 17MA101339-R0
RF4: 17MA101339-R0RF5: 17MA101339-R1

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	1230.600	1216.300	1259.200	1189.450	1286.825
beta-BHC	496.600	468.400	449.500	431.075	421.488
delta-BHC	1106.000	1085.800	1102.950	1120.875	1132.262
gamma-BHC (Lindane)	1162.200	1127.300	1119.700	1142.400	1161.925
Heptachlor	919.600	883.000	875.950	899.450	923.400
Aldrin	951.200	899.000	912.700	906.875	915.600
Heptachlor epoxide	859.600	806.200	801.700	800.175	795.388
Endosulfan I	782.200	731.900	719.600	708.675	695.262
Dieldrin	758.900	730.750	728.550	732.638	746.444
4,4'-DDE	791.000	761.350	777.525	785.400	805.675
Endrin	651.800	618.700	618.900	620.850	653.938
Endosulfan II	642.400	611.000	616.600	614.112	639.019
4,4'-DDD	658.100	630.150	624.800	617.488	642.194
Endosulfan sulfate	520.600	513.300	531.100	546.000	550.531
4,4'-DDT	527.400	499.600	527.500	553.588	603.144
Methoxychlor	271.020	246.650	262.025	262.475	267.602
Endrin ketone	705.700	675.350	690.075	676.350	716.975
Endrin aldehyde	481.300	465.450	477.400	484.962	499.012
Chlordane	35.660				
(2)	36.600				
(3)	85.620				
(4)	74.740				
(5)	76.420				
Toxaphene	13.712				
(2)	12.196				
(3)	12.704				
(4)	8.164				
(5)	10.934				
Mirex	286.400	263.900	251.225	236.062	237.119
gamma-Chlordane	846.400	791.100	786.900	777.525	796.962
alpha-Chlordane	743.000	694.800	687.200	681.850	673.675
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	757.400	727.300	704.900	683.650	688.875
Decachlorobiphenyl	617.000	574.100	558.050	532.600	540.962

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_1 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLP ID: 0.32 (mm) Calibration Time(s): 0315 0534

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	1236.47500	3.054	20.000	
beta-BHC	AVRG	453.412500	6.638	20.000	
delta-BHC	AVRG	1109.57750	1.602	20.000	
gamma-BHC (Lindane)	AVRG	1142.70500	1.704	20.000	
Heptachlor	AVRG	900.280000	2.356	20.000	
Aldrin	AVRG	917.075000	2.192	20.000	
Heptachlor epoxide	AVRG	812.612500	3.267	20.000	
Endosulfan I	AVRG	727.527500	4.594	20.000	
Dieldrin	AVRG	739.456250	1.748	20.000	
4,4'-DDE	AVRG	784.190000	2.091	20.000	
Endrin	AVRG	632.837500	2.895	20.000	
Endosulfan II	AVRG	624.626250	2.380	20.000	
4,4'-DDD	AVRG	634.546250	2.515	20.000	
Endosulfan sulfate	AVRG	532.306250	2.999	20.000	
4,4'-DDT	AVRG	542.246250	7.198	20.000	
Methoxychlor	AVRG	261.954500	3.564	20.000	
Endrin ketone	AVRG	692.890000	2.635	20.000	
Endrin aldehyde	AVRG	481.625000	2.528	20.000	
Chlordane	AVRG	35.6600000	0.000	20.000	<-
(2)	AVRG	36.6000000	0.000	20.000	<-
(3)	AVRG	85.6200000	0.000	20.000	<-
(4)	AVRG	74.7400000	0.000	20.000	<-
(5)	AVRG	76.4200000	0.000	20.000	<-
Toxaphene	AVRG	13.7120000	0.000	20.000	<-
(2)	AVRG	12.1960000	0.000	20.000	<-
(3)	AVRG	12.7040000	0.000	20.000	<-
(4)	AVRG	8.16400000	0.000	20.000	<-
(5)	AVRG	10.9340000	0.000	20.000	<-
Mirex	AVRG	254.941250	8.223	20.000	
gamma-Chlordane	AVRG	799.777500	3.377	20.000	
alpha-Chlordane	AVRG	696.105000	3.925	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	712.425000	4.259	20.000	
Decachlorobiphenyl	AVRG	564.542500	5.916	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_2 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0315 0534

LAB FILE ID: RF1: 17MA101339-R1RF2: 17MA101339-R0RF3: 17MA101339-R0
RF4: 17MA101339-R0RF5: 17MA101339-R1

COMPOUND	RF1	RF2	RF3	RF4	RF5
alpha-BHC	1958.400	2051.400	2205.100	2341.825	2430.038
beta-BHC	784.400	746.000	745.500	743.725	761.625
delta-BHC	1585.600	1649.400	1782.650	1912.425	1986.788
gamma-BHC (Lindane)	1723.800	1775.400	1909.050	2014.125	2109.225
Heptachlor	1259.000	1245.800	1323.750	1408.375	1513.612
Aldrin	1414.600	1422.100	1491.950	1580.050	1634.500
Heptachlor epoxide	1262.800	1238.600	1282.400	1350.300	1393.750
Endosulfan I	1129.000	1107.900	1131.750	1183.475	1230.700
Dieldrin	1127.300	1116.800	1209.025	1250.775	1288.781
4,4'-DDE	1158.200	1181.400	1244.175	1318.600	1382.044
Endrin	903.400	914.850	960.175	1029.875	1097.862
Endosulfan II	958.100	952.050	987.950	1032.475	1080.294
4,4'-DDD	874.500	864.700	921.900	978.900	1017.919
Endosulfan sulfate	746.900	769.700	836.250	897.575	948.250
4,4'-DDT	622.900	599.800	694.600	752.550	842.156
Methoxychlor	343.960	324.390	354.315	358.985	366.548
Endrin ketone	1006.600	984.000	1055.100	1080.800	1149.094
Endrin aldehyde	704.100	709.150	749.725	791.988	832.500
Chlordane	54.780				
(2)	55.840				
(3)	135.580				
(4)	88.540				
(5)	112.580				
Toxaphene	30.754				
(2)	26.376				
(3)	13.758				
(4)	22.114				
(5)	20.268				
Mirex	427.200	386.200	368.675	365.450	378.206
gamma-Chlordane	1229.200	1202.000	1268.200	1342.600	1375.575
alpha-Chlordane	1118.600	1053.400	1096.100	1132.225	1181.738
2,4'-DDE					
2,4'-DDD					
2,4'-DDT					
Tetrachloro-m-xylene	1189.800	1164.600	1181.700	1215.000	1269.038
Decachlorobiphenyl	1075.400	1020.700	983.150	987.225	1017.975

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_2 Calibration Date(s): 03/18/10 03/18/10

Column: RTX-CLPII ID: 0.32 (mm) Calibration Time(s): 0315 0534

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
alpha-BHC	AVRG	2197.35250	8.914	20.000	
beta-BHC	AVRG	756.250000	2.289	20.000	
delta-BHC	AVRG	1783.37250	9.512	20.000	
gamma-BHC (Lindane)	AVRG	1906.32000	8.428	20.000	
Heptachlor	AVRG	1350.10750	8.281	20.000	
Aldrin	AVRG	1508.64000	6.422	20.000	
Heptachlor epoxide	AVRG	1305.57000	4.938	20.000	
Endosulfan I	AVRG	1156.56500	4.315	20.000	
Dieldrin	AVRG	1198.53625	6.291	20.000	
4,4'-DDE	AVRG	1256.88375	7.450	20.000	
Endrin	AVRG	981.232500	8.354	20.000	
Endosulfan II	AVRG	1002.17375	5.392	20.000	
4,4'-DDD	AVRG	931.583750	7.104	20.000	
Endosulfan sulfate	AVRG	839.735000	10.079	20.000	
4,4'-DDT	AVRG	702.401250	14.050	20.000	
Methoxychlor	AVRG	349.639500	4.666	20.000	
Endrin ketone	AVRG	1055.11875	6.161	20.000	
Endrin aldehyde	AVRG	757.492500	7.250	20.000	
Chlordane	AVRG	54.7800000	0.000	20.000	<-
(2)	AVRG	55.8400000	0.000	20.000	<-
(3)	AVRG	135.580000	0.000	20.000	<-
(4)	AVRG	88.5400000	0.000	20.000	<-
(5)	AVRG	112.580000	0.000	20.000	<-
Toxaphene	AVRG	30.7540000	0.000	20.000	<-
(2)	AVRG	26.3760000	0.000	20.000	<-
(3)	AVRG	13.7580000	0.000	20.000	<-
(4)	AVRG	22.1140000	0.000	20.000	<-
(5)	AVRG	20.2680000	0.000	20.000	<-
Mirex	AVRG	385.146250	6.461	20.000	
gamma-Chlordane	AVRG	1283.51500	5.751	20.000	
alpha-Chlordane	AVRG	1116.41250	4.226	20.000	
2,4'-DDE	AVRG			0.000	<-
2,4'-DDD	AVRG			0.000	<-
2,4'-DDT	AVRG			0.000	<-
Tetrachloro-m-xylene	AVRG	1204.02750	3.374	20.000	
Decachlorobiphenyl	AVRG	1016.89000	3.632	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_1 Calibration Date: 03/18/10 Time: 0753

Lab File ID: 17MA101342-R05 Init. Calib. Date(s): 03/18/10 03/18/10

Init. Calib. Times: 0315 0448

GC Column: RTX-CLP ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	1236.475	1222.700		1.1	15.0
beta-BHC	453.413	441.550		2.6	15.0
delta-BHC	1109.577	1076.250		3.0	15.0
gamma-BHC (Lindane)	1142.705	1104.750		3.3	15.0
Heptachlor	900.280	876.050		2.7	15.0
Aldrin	917.075	878.400		4.2	15.0
Heptachlor epoxide	812.613	779.800		4.0	15.0
Endosulfan I	727.527	700.600		3.7	15.0
Dieldrin	739.456	716.225		3.1	15.0
4,4'-DDE	784.190	750.475		4.3	15.0
Endrin	632.838	619.400		2.1	15.0
Endosulfan II	624.626	612.675		1.9	15.0
4,4'-DDD	634.546	621.200		2.1	15.0
Endosulfan sulfate	532.306	527.350		0.9	15.0
4,4'-DDT	542.246	514.675		5.1	15.0
Methoxychlor	261.954	257.940		1.5	15.0
Endrin ketone	692.890	669.075		3.4	15.0
Endrin aldehyde	481.625	466.625		3.1	15.0
Mirex	254.941	240.450		5.7	15.0
gamma-Chlordane	799.777	773.500		3.3	15.0
alpha-Chlordane	696.105	667.500		4.1	15.0
Tetrachloro-m-xylene	712.425	684.550		3.9	15.0
Decachlorobiphenyl	564.542	564.300		0.0	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Instrument ID: 0911_2 Calibration Date: 03/18/10 Time: 0753

Lab File ID: 17MA101342-R05 Init. Calib. Date(s): 03/18/10 03/18/10

Init. Calib. Times: 0315 0448

GC Column: RTX-CLPII ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF3	MIN RRF	%D	MAX %D
alpha-BHC	2197.353	2147.400		2.3	15.0
beta-BHC	756.250	734.550		2.9	15.0
delta-BHC	1783.373	1753.700		1.7	15.0
gamma-BHC (Lindane)	1906.320	1865.750		2.1	15.0
Heptachlor	1350.107	1335.750		1.1	15.0
Aldrin	1508.640	1465.350		2.9	15.0
Heptachlor epoxide	1305.570	1272.450		2.5	15.0
Endosulfan I	1156.565	1126.050		2.6	15.0
Dieldrin	1198.536	1184.100		1.2	15.0
4,4'-DDE	1256.884	1237.125		1.6	15.0
Endrin	981.232	972.000		0.9	15.0
Endosulfan II	1002.174	987.000		1.5	15.0
4,4'-DDD	931.584	912.150		2.1	15.0
Endosulfan sulfate	839.735	852.075		1.5	15.0
4,4'-DDT	702.401	692.675		1.4	15.0
Methoxychlor	349.640	365.295		4.5	15.0
Endrin ketone	1055.119	1059.400		0.4	15.0
Endrin aldehyde	757.493	761.300		0.5	15.0
Mirex	385.146	368.225		4.4	15.0
gamma-Chlordane	1283.515	1238.200		3.5	15.0
alpha-Chlordane	1116.413	1091.450		2.2	15.0
Tetrachloro-m-xylene	1204.028	1144.000		5.0	15.0
Decachlorobiphenyl	1016.890	968.550		4.8	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 03/18/10 03/18/10

Instrument ID: 0911_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.49 DCB: 14.51

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	03/18/10	0252	5.49	14.51
02	INDA_B-1	INDA_B-1	03/18/10	0315	5.49	14.51
03	INDA_B-2	INDA_B-2	03/18/10	0338	5.49	14.51
04	INDA_B-3	INDA_B-3	03/18/10	0402	5.49	14.51
05	INDA_B-4	INDA_B-4	03/18/10	0425	5.49	14.51
06	INDA_B-5	INDA_B-5	03/18/10	0448	5.49	14.51
07	TOX 500	TOX 500	03/18/10	0511	5.49	14.51
08	T-CHLOR 50	T-CHLOR 50	03/18/10	0534	5.49	14.52
09	INDA_B-ICV	INDA_B-ICV	03/18/10	0557	5.49	14.51
10	MBLK030910C	MBLK030910C	03/18/10	0620	5.49	14.51
11	C030910LCS	C030910LCS	03/18/10	0643	5.49	14.51
12	TS10081	821804	03/18/10	0706	5.50	14.52
13	BCS	BCS	03/18/10	0729	5.50	14.52
14	INDA_B-3	INDA_B-3	03/18/10	0753	5.50	14.52
15						
16						
17						
18						
19						
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21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 03/18/10 03/18/10

Instrument ID: 0911_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.30 DCB: 14.90

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	BCS	BCS	03/18/10	0252	5.30	14.90
02	INDA_B-1	INDA_B-1	03/18/10	0315	5.30	14.89
03	INDA_B-2	INDA_B-2	03/18/10	0338	5.29	14.89
04	INDA_B-3	INDA_B-3	03/18/10	0402	5.30	14.90
05	INDA_B-4	INDA_B-4	03/18/10	0425	5.31	14.90
06	INDA_B-5	INDA_B-5	03/18/10	0448	5.31	14.90
07	TOX 500	TOX 500	03/18/10	0511	5.30	14.89
08	T-CHLOR 50	T-CHLOR 50	03/18/10	0534	5.31	14.90
09	INDA_B-ICV	INDA_B-ICV	03/18/10	0557	5.30	14.90
10	MBLK030910C	MBLK030910C	03/18/10	0620	5.30	14.90
11	C030910LCS	C030910LCS	03/18/10	0643	5.30	14.90
12	TS10081	821804	03/18/10	0706	5.31	14.90
13	BCS	BCS	03/18/10	0729	5.30	14.90
14	INDA_B-3	INDA_B-3	03/18/10	0753	5.30	14.90
15						
16						
17						
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22						
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24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: C030910LCS Date(s) Analyzed: 03/18/10 03/18/10

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
alpha-BHC	1	6.21	6.16	6.26	4.9	
	2	6.06	6.01	6.11	4.7	4.2
beta-BHC	1	6.72	6.67	6.77	5.2	
	2	6.59	6.54	6.64	5.0	3.9
delta-BHC	1	6.95	6.90	7.00	4.9	
	2	6.96	6.90	7.00	4.9	0.0
gamma-BHC (Lindane)	1	6.61	6.56	6.66	4.9	
	2	6.49	6.44	6.54	4.8	2.1
Heptachlor	1	7.24	7.18	7.28	5.1	
	2	7.05	6.99	7.09	5.1	0.0
Aldrin	1	7.65	7.60	7.70	4.9	
	2	7.48	7.42	7.52	4.8	2.1
Heptachlor epoxide	1	8.56	8.51	8.61	5.2	
	2	8.29	8.24	8.34	5.1	1.9
Endosulfan I	1	9.20	9.15	9.25	4.9	
	2	8.91	8.86	8.96	4.7	4.2

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: C030910LCS Date(s) Analyzed: 03/18/10 03/18/10

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Dieldrin	1	9.61	9.55	9.65	10	
	2	9.37	9.32	9.42	11	9.5
4,4'-DDE	1	9.08	9.03	9.13	10	
	2	9.11	9.06	9.16	10	0.0
Endrin	1	10.02	9.97	10.07	11	
	2	9.90	9.85	9.95	11	0.0
Endosulfan II	1	10.43	10.38	10.48	9.5	
	2	10.29	10.24	10.34	9.7	2.1
4,4'-DDD	1	10.14	10.08	10.18	10	
	2	10.14	10.08	10.18	11	9.5
Endosulfan sulfate	1	12.04	11.99	12.09	8.7	
	2	11.46	11.40	11.50	8.7	0.0
4,4'-DDT	1	10.66	10.61	10.71	11	
	2	10.73	10.68	10.78	12	8.7
Methoxychlor	1	11.58	11.53	11.63	54	
	2	12.07	12.02	12.12	56	3.6

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

CLIENT SAMPLE NO.

C030910LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: KZOO SAS No.: SDG No.: KAL533

Lab Sample ID: C030910LCS Date(s) Analyzed: 03/18/10 03/18/10

Instrument ID (1): 0911_1 Instrument ID (2): 0911_2

GC Column(1): RTX-CLP ID: 0.32(mm) GC Column(2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	RPD
Endrin ketone	1	12.57	12.51	12.61	9.5	
	2	12.45	12.40	12.50	9.6	1.0
Endrin aldehyde	1	11.22	11.16	11.26	8.2	
	2	10.93	10.87	10.97	8.0	2.5
gamma-Chlordane	1	8.75	8.70	8.80	5.2	
	2	8.59	8.54	8.64	5.2	0.0
alpha-Chlordane	1	8.97	8.92	9.02	5.3	
	2	8.82	8.77	8.87	5.1	3.8
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

OTHER

KAR *Laboratories, Inc.*

4425 Manchester Road
Kalamazoo, MI 49001
Phone 269 381-9666
Fax 269 381-9698
www.karlabs.com

ARCADIS of New York, Inc.
30 W. Monroe St., Ste. 1710
Chicago, IL 60603

Attn : ***Mr. Eric Hritsuk***

KAR Project No. :	***100783***
Date Reported :	***03/18/10***
Date Activated :	***03/04/10***
Date Due :	***03/18/10***
Date Validated :	***03/18/10***

Project Description : ***Analysis of one soil sample from Plainwell Dam (#B 0064536.0000.00002).***

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

If you wish to contact us about this work please mention KAR Project No. 100783. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please call us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

David R. Alkema
Laboratory Manager

KAR Laboratories, Inc. maintains Full Certification status for Bacteriology, Inorganics, Regulated Organics and Synthetic Organics through USEPA, Michigan Department of Public Health and Indiana State Department of Health.

POSITIVE RESULTS SUMMARY REPORT

Client Name: ***ARCADIS of New York, Inc.***

KAR Project No.: ***100783***

Date Reported: ***03/18/10***

Project Description: ***Analysis of one soil sample from Plainwell Dam (#B0064536.0000.00002).***

Sample Description: ***"TS10081"***

Test	Positive Result Concentration	Units
TPH by GC-diesel range	110	mg/kg dry sample

This Positive Results Summary Report provides an overview of the sample set and CONTAINS ONLY RESULTS ABOVE THE REPORTING LIMIT. It should not be used as a substitute for the attached detail report.

LABORATORY DETAIL REPORT

Client: *ARCADIS of New York, Inc.*

KAR Project No. : *100783*

Date Reported : *03/18/10*

Attest: David R. Alkema
David R. Alkema, Lab Manager

Project Description: *Analysis of one soil sample from Plainwell Dam (#B0064536.0000.00002).*

Sample ID : *"TS10081"*

Sampled By : *MK of ARCADIS of New York, Inc.*
Sample Date : *03/04/10*
Sample Time : *1100*

Date Received : *03/04/10*
Sample Type : *soil*
KAR Sample No. : *100783-01*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Dry weight solids	65.88	% by weight	SM 2540 B mod.	03/10/10	KTL	
Prep, VOA	Completed		EPA 5035	03/17/10	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	03/17/10	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	03/15/10	KTL	
Prep, SV BN	Completed		EPA 3545	03/05/10	GMB	
TPH by GC-diesel range	110	mg/kg dry sample	EPA 8270	03/15/10	KTL	
12DCA-D4 (surr spk)	102	% spike recovery	EPA 8260	03/17/10	JAR	
BFB (surr spk)	104	% spike recovery	EPA 8260	03/17/10	JAR	
Toluene-D8 (surr spk)	98	% spike recovery	EPA 8260	03/17/10	JAR	
2FB (surr spk)	79	% spike recovery	EPA 8270	03/15/10	KTL	
Terphenyl D14 (surr spk)	75	% spike recovery	EPA 8270	03/15/10	KTL	

Sample ID : *Laboratory Method Blank-Soil*

Sampled By :
Sample Date :
Sample Time :

Date Received : *03/04/10*
Sample Type : *LMB-soil*
KAR Sample No. : *100783-02*

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Prep, VOA	Completed		EPA 5035	03/17/10	JAR	
TPH by GC-gasoline range	<10	mg/kg dry sample	EPA 8260	03/17/10	JAR	
SVOA surr. - Base/Neutrals	See below		EPA 8270	03/15/10	KTL	
Prep, SV BN	Completed		EPA 3545	03/05/10	GMB	
TPH by GC-diesel range	<10	mg/kg dry sample	EPA 8270	03/15/10	KTL	
12DCA-D4 (surr spk)	99	% spike recovery	EPA 8260	03/17/10	JAR	
BFB (surr spk)	102	% spike recovery	EPA 8260	03/17/10	JAR	
Toluene-D8 (surr spk)	98	% spike recovery	EPA 8260	03/17/10	JAR	
2FB (surr spk)	77	% spike recovery	EPA 8270	03/15/10	KTL	
Terphenyl D14 (surr spk)	119	% spike recovery	EPA 8270	03/15/10	KTL	

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL545

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

May 19, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: 29000; SDG: KAL545

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 12th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/12/10 ETR No: 137272		
829810	TS10082	05/11/10	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. After receipt at the Burlington laboratory, aliquots of this sample were sent to the TestAmerica laboratory in Chicago Illinois to be analyzed for TPH GRO and DRO, and Pesticides. Data from those analyses is filed at the end of this report in a section titled Subcontract Data.

The volatile organic analysis of sample TS10082 yielded surrogate and internal standard responses outside control criteria. This sample was re-analyzed yielding similar results. Both sets of data have been presented in this case submittal.

The volatile organic analysis of method blank MBLK051310NA yielded the presence of target compounds 1,2,4-trichlorobenzene and 1,2,3-trichlorobenzene at concentrations below reporting limit. These compounds were also detected in sample TS10082 at similar concentrations, and have been reported with a B flag to denote this situation.

The semivolatile organic analysis of sample TS10082 yielded surrogate recoveries below control criteria. This sample was re-extracted and analyzed yielding similar results. Data from the first analysis has been formally reported, and data from the re-extraction and re-analysis is filed in the sample preparation section of this case submittal.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-332-4937
Address: 30 W Monroe St	Fax: 312-332-4434
City State Zip: Chicago IL, 60603	E-mail Address:
Project Name/Location (City, State): Plainwell Dam No. 2 Area TCRA Mi	Project #: B0064536.0000.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature:

Preservative	E							
Filtered (✓)								
# of Containers	4							
Container Information	4							

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		TCL VOC's	TCL SVOC's	TCL Pesticides/ PCB's	RCRA Metals	TPH (DRO & GRO)				REMARKS
TS10082	5/11/10	1000	x		So		X	X	X	X	X				

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment, A = Air, SL = Sludge
SO = Soil, NL = NAPL / Oil, SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Greg Marion
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: 1 Week	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 5/11/10 1300	Date/Time:	Date/Time: 5/12/10 0945

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10082

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL545

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 829810

Matrix: SOIL

Client: BBLKAL

Date Received: 05/12/10

% Solids: 86.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	05/14/10		%	1	0.10	86.1	

Printed on: 05/17/10 09:25 AM

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Metals

USEPA CLP FORMS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

SOW No.: _____

EPA Sample No.	Lab Sample ID.
TS10082	829810
TS10082D	829810DP
TS10082S	829810MS

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

USEPA CLP FORMS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TS10082

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Lab Sample ID: 829810

Level (low/med): LOW Date Received: 5/12/2010

% Solids: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-22-4	Silver	0.11	U		P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	24.0			P
7440-43-9	Cadmium	0.12	B		P
7440-47-3	Chromium	5.5			P
7439-97-6	Mercury	0.018	U		CV
7439-92-1	Lead	6.9			P
7782-49-2	Selenium	0.27	U		P

Color Before: light brown Clarity Before: Texture: medium

Color After: pale yellow Clarity After: cloudy Artifacts:

Comments:

USEPA CLP FORMS

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	3.0	3.12	104.0	5.0	5.00	100.0	5.29	105.8	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA CLP FORMS

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Initial Calibration Source: Inorganic Ventures/Fisher

Continuing Calibration Source: SPEX/Fisher

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Silver	500.0	491.60	98.3	100.0	97.75	97.8	97.48	97.5	P
Arsenic	250.0	260.80	104.3	100.0	106.80	106.8	102.40	102.4	P
Barium	500.0	486.90	97.4	200.0	197.40	98.7	195.00	97.5	P
Cadmium	500.0	487.40	97.5	100.0	99.13	99.1	98.67	98.7	P
Chromium	500.0	491.30	98.3	200.0	195.60	97.8	195.10	97.6	P
Lead	1000.0	1009.00	100.9	400.0	401.30	100.3	402.70	100.7	P
Selenium	250.0	256.50	102.6	100.0	101.30	101.3	97.55	97.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA CLP FORMS

2B-IN

CRDL STANDARD FOR AA AND ICP

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

AA CRDL Standard Source: _____

ICP CRDL Standard Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True	Found	%R	CRDL Standard for ICP Initial True	Initial Found	Initial %R	Final Found	Final %R
Silver				10.0	10.20	102.0		
Arsenic				10.0	9.50	95.0		
Barium				200.0	193.40	96.7		
Cadmium				5.0	5.34	106.8		
Chromium				10.0	10.21	102.1		
Lead				10.0	8.14	81.4		
Selenium				35.0	34.64	99.0		

Control Limits: no limits have been established by EPA at this time

USEPA CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.1	U	0.1	U	0.1	U			0.017	U	CV

USEPA CLP FORMS

3

BLANKS

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	1.1	U	1.1	U	1.1	U			0.110	U	P
Arsenic	1.7	U	1.7	U	1.7	U			-0.233	B	P
Barium	2.4	U	-3.5	B	2.4	U			-0.447	B	P
Cadmium	0.3	U	0.3	U	0.3	U			0.046	B	P
Chromium	0.4	U	0.4	U	0.4	U			0.036	U	P
Lead	1.9	U	1.9	U	1.9	U			0.190	U	P
Selenium	2.6	U	2.6	U	2.6	U			0.260	U	P

USEPA CLP FORMS

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

ICP ID Number: TJA ICAP 7 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Silver	0	193	-2	195.2	101.1			
Arsenic	0	99	0	94.0	94.9			
Barium	0	461	-1	466.5	101.2			
Cadmium	0	957	1	964.5	100.8			
Chromium	0	480	8	482.7	100.6			
Lead	0	54	3	50.2	93.0			
Selenium	0	38	-3	36.8	96.8			

USEPA_CLP FORMS

5A

SPIKE SAMPLE RECOVERY

SAMPLE NO.

TS10082S

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	85 - 115	0.1708		0.0176	U	0.17	100.5		CV

Comments:

6

DUPLICATES

SAMPLE NO.

TS10082D

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.1 % Solids for Duplicate: 86.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0176	U	0.0157	U			CV

USEPA CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Mercury				0.1	0.1		0.1	0.1	100.0

USEPA CLP FORMS

7

LABORATORY CONTROL SAMPLE

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Solid LCS Source: Inorganic Ventures

Aqueous LCS Source: _____

Analyte	Aqueous (ug/L) True	Aqueous (ug/L) Found	Aqueous (ug/L) %R	Solid (mg/kg) True	Solid (mg/kg) Found	C	Limits		%R
Silver				25.0	25.3		20.0	30.0	101.2
Arsenic				24.0	25.1		19.2	28.8	104.6
Barium				200.0	208.5		160.0	240.0	104.2
Cadmium				25.0	24.9		20.0	30.0	99.6
Chromium				20.0	21.8		16.0	24.0	109.0
Lead				22.0	22.9		17.6	26.4	104.1
Selenium				25.0	24.5		20.0	30.0	98.0

USEPA_CLP FORMS

9
ICP SERIAL DILUTIONS

SAMPLE NO.

TS10082L

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Silver	1.10	U	5.50	U			P
Arsenic	28.45		31.70	B	11.4		P
Barium	231.70		251.30	B	8.5		P
Cadmium	1.13	B	2.54	B	124.8		P
Chromium	53.09		55.71		4.9		P
Lead	66.76		68.02		1.9		P
Selenium	2.60	U	13.00	U			P

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: Date: 4/13/2010

Flame AA ID Number: Leeman Hydra AA (2)

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.2	0.1	CV

Comments:

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Silver	328.068		10	1.1	P
Arsenic	189.042		10	1.7	P
Barium	493.409		200	2.4	P
Cadmium	226.502		5	0.35	P
Chromium	267.716		10	0.36	P
Lead	220.353		10	1.9	P
Selenium	196.026		35	2.6	P

Comments:

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	-0.0010006	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0530902	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	-0.0000336	0.0000000	0.0000000	0.0002388	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0001735
Molybdenum	202.030	0.0588018	0.0000000	0.0009164	0.0070064	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0043119	-0.0001740
Vanadium	292.402	0.0000000	0.0000000	0.0049409	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Be	Cd	Co
Aluminum	308.215	0.0000079	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0033805	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0003363
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	-0.0160924	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0019468	0.0603189	0.0000000	0.0000000	-0.0017009
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0001510
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	-0.0009648	0.0000000	0.0019415
Vanadium	292.402	0.0000000	0.0000000	0.0002205	0.0000472	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Na	Ni
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	-0.0004684	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000284	0.0000000	0.0000000	0.0000282
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000179	0.0000000	0.0000000
Manganese	257.610	0.0001041	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	-0.0001893	0.0002224	0.0000000	0.0000000	0.0006230
Nickel	231.604	-0.0001218	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: Pb	Sb	Se	Si	Tl
Aluminum	308.215	-0.0000744	0.0000000	0.0000310	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.933	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0128328	0.0000000	0.0041606	0.0003344
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0015511
Copper	324.754	-0.0036758	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000164	0.0000427	0.0000375	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0001152	0.0000000	0.0007821	0.0000000	0.0018096
Molybdenum	202.030	-0.0022171	-0.0021668	0.0005431	0.0008995	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	178.287	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	-0.0077086	0.0000000	0.0000000	0.0000000
Titanium	334.941	-0.0005674	0.0000000	0.0000000	0.0019090	0.0005625
Vanadium	292.402	0.0000000	-0.0023318	0.0000000	0.0019249	-0.0079209
Zinc	206.200	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

USEPA_CLP FORMS

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 2/24/2010

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn			
Aluminum	308.215	0.0000000	0.0000083			
Antimony	206.838	0.0000000	0.0000000			
Arsenic	189.042	0.0000000	0.0000000			
Barium	493.409	0.0000000	0.0000000			
Beryllium	313.042	0.0000000	0.0000000			
Boron	249.678	0.0000000	0.0000000			
Cadmium	226.502	0.0000000	0.0000000			
Calcium	317.933	0.0000000	0.0000000			
Chromium	267.716	0.0000000	0.0000000			
Cobalt	228.616	0.0000000	0.0000000			
Copper	324.754	0.0000000	0.0001201			
Iron	271.441	0.0000241	0.0000599			
Lead	220.353	0.0000000	0.0000000			
Magnesium	279.079	0.0000000	0.0000300			
Manganese	257.610	0.0000000	0.0000000			
Molybdenum	202.030	-0.0184759	-0.0002216			
Nickel	231.604	0.0000000	0.0047199			
Phosphorus	178.287	0.0000000	0.0000000			
Potassium	766.491	0.0000000	0.0000000			
Selenium	196.026	0.0000000	0.0000000			
Silver	328.068	0.0000000	0.0000000			
Sodium	330.232	0.0000000	0.0000000			
Strontium	421.552	0.0000000	0.0000000			
Thallium	190.864	0.0000000	0.0000000			
Tin	189.989	0.0000000	0.0000000			
Titanium	334.941	0.0009140	-0.0008084			
Vanadium	292.402	0.0000000	0.0000000			
Zinc	206.200	0.0000000	0.0000000			

Comments:

USEPA CLP FORMS

12

ICP LINEAR RANGES (QUARTERLY)

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

ICP ID Number: TJA ICAP 7 Date: 4/1/2010

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Silver	20.00	2000.0	P
Arsenic	20.00	5000.0	P
Barium	20.00	50000.0	P
Cadmium	60.00	10000.0	P
Chromium	20.00	10000.0	P
Lead	20.00	10000.0	P
Selenium	20.00	5000.0	P

Comments:

USEPA CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Method: CV

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS051710A	5/17/2010	0.50	50.0
PBS051710A	5/17/2010	0.30	50.0
TS10082	5/17/2010	0.33	50.0
TS10082D	5/17/2010	0.37	50.0
TS10082S	5/17/2010	0.34	50.0

USEPA CLP FORMS

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PREPARATION LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: _____ SDG No.: KAL545

Method: P

EPA Sample No.	Preparation Date	Initial Weight (g)	Volume (mL)
LCSS051310D	5/13/2010	1.00	100.0
PBS051310D	5/13/2010	1.00	100.0
TS10082	5/13/2010	1.12	100.0

USEPA CLP FORMS

14

ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID Number: TJA ICAP 7 Method: P

Start Date: 5/14/2010 End Date: 5/14/2010

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1050				X	X		X		X				X						X	X					
STD7	1.00	1054																									
STD8	1.00	1058				X									X						X						
STD4	1.00	1102					X		X		X											X					
ICV	1.00	1106				X	X		X		X				X						X	X					
ICB	1.00	1110				X	X		X		X				X						X	X					
ICSA	1.00	1114				X	X		X		X				X						X	X					
ICSAB	1.00	1118				X	X		X		X				X						X	X					
CRI	1.00	1121				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1125																									
CCV	1.00	1129				X	X		X		X				X						X	X					
CCB	1.00	1133				X	X		X		X				X						X	X					
PBS051310D	1.00	1137				X	X		X		X				X						X	X					
LCSS051310D	1.00	1141				X	X		X		X				X						X	X					
TS10082	1.00	1145				X	X		X		X				X						X	X					
TS10082L	5.00	1149				X	X		X		X				X						X	X					
ZZZZZZ	1.00	1153																									
ZZZZZZ	1.00	1156																									
ZZZZZZ	1.00	1200																									
ZZZZZZ	1.00	1204																									
ZZZZZZ	1.00	1208																									
ZZZZZZ	1.00	1212																									
CCV	1.00	1216				X	X		X		X				X						X	X					
CCB	1.00	1220				X	X		X		X				X						X	X					

USEPA CLP FORMS

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ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Contract: 29000

Lab Code: STLVT Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID Number: Leeman Hydra AA (2) Method: CV

Start Date: 5/18/2010 End Date: 5/18/2010

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0952																X									
S0.2	1.00	0954																X									
S0.5	1.00	0956																X									
S1	1.00	0958																X									
S5	1.00	1000																X									
S10	1.00	1002																X									
ICV	1.00	1004																X									
ICB	1.00	1006																X									
CCV	1.00	1009																X									
CCB	1.00	1011																X									
PBS051710A	1.00	1013																X									
LCSS051710A	1.00	1015																X									
TS10082	1.00	1017																X									
ZZZZZZ	1.00	1018																									
TS10082S	1.00	1021																X									
TS10082D	1.00	1023																X									
CCV	1.00	1026																X									
CCB	1.00	1028																X									

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8260B Soils

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 829810

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.7	U
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
75-69-4	Trichlorofluoromethane	5.7	U
75-35-4	1,1-Dichloroethene	5.7	U
76-13-1	Freon TF	5.7	U
67-64-1	Acetone	20	
75-15-0	Carbon Disulfide	5.7	U
75-09-2	Methylene Chloride	5.7	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
1634-04-4	Methyl-t-Butyl Ether	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
156-59-2	cis-1,2-Dichloroethene	5.7	U
78-93-3	2-Butanone	5.7	U
74-97-5	Bromochloromethane	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
108-10-1	4-Methyl-2-pentanone	5.7	U
108-88-3	Toluene	5.7	U
10061-02-6	trans-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
591-78-6	2-Hexanone	5.7	U
124-48-1	Dibromochloromethane	5.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 5.1 (g/mL) G Lab File ID: 829810

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
1330-20-7	Xylene (total)	5.7	U
100-42-5	Styrene	5.7	U
75-25-2	Bromoform	5.7	U
98-82-8	Isopropylbenzene	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U
541-73-1	1,3-Dichlorobenzene	5.7	U
106-46-7	1,4-Dichlorobenzene	1.3	J
95-50-1	1,2-Dichlorobenzene	5.7	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.7	U
120-82-1	1,2,4-Trichlorobenzene	2.3	JB
87-61-6	1,2,3-Trichlorobenzene	2.2	JB

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 829810I2

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl Chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	5.8	U
76-13-1	Freon TF	5.8	U
67-64-1	Acetone	23	
75-15-0	Carbon Disulfide	5.8	U
75-09-2	Methylene Chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
1634-04-4	Methyl-t-Butyl Ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
78-93-3	2-Butanone	5.8	U
74-97-5	Bromochloromethane	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
56-23-5	Carbon Tetrachloride	5.8	U
71-43-2	Benzene	5.8	U
107-06-2	1,2-Dichloroethane	5.8	U
79-01-6	Trichloroethene	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	5.8	U
108-88-3	Toluene	5.8	U
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
591-78-6	2-Hexanone	5.8	U
124-48-1	Dibromochloromethane	5.8	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082RE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810R1

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 829810I2

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: not dec. 14 Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.8	U
108-90-7	Chlorobenzene	5.8	U
100-41-4	Ethylbenzene	5.8	U
1330-20-7	Xylene (total)	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	1.6	JB
87-61-6	1,2,3-Trichlorobenzene	1.7	JB

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK051310NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051310NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NATB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	Freon TF	5.0	U
67-64-1	Acetone	5.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl-t-Butyl Ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK051310NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051310NA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NATB05

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	Xylene (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	0.91	J
87-61-6	1,2,3-Trichlorobenzene	0.96	J

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA051310LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: NA051310LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAT050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	47	
74-87-3	Chloromethane	48	
75-01-4	Vinyl Chloride	47	
74-83-9	Bromomethane	41	
75-00-3	Chloroethane	43	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	50	
76-13-1	Freon TF	48	
67-64-1	Acetone	45	
75-15-0	Carbon Disulfide	49	
75-09-2	Methylene Chloride	51	
156-60-5	trans-1,2-Dichloroethene	53	
1634-04-4	Methyl-t-Butyl Ether	51	
75-34-3	1,1-Dichloroethane	51	
156-59-2	cis-1,2-Dichloroethene	51	
78-93-3	2-Butanone	49	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	52	
56-23-5	Carbon Tetrachloride	52	
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	59	
79-01-6	Trichloroethene	53	
78-87-5	1,2-Dichloropropane	51	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	51	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	51	
79-00-5	1,1,2-Trichloroethane	53	
127-18-4	Tetrachloroethene	54	
591-78-6	2-Hexanone	51	
124-48-1	Dibromochloromethane	54	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NA051310LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: NA051310LCS

Sample wt/vol: 5.0 (g/mL) G Lab File ID: NAT050Q

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/13/10

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
106-93-4	1,2-Dibromoethane	54	
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	53	
1330-20-7	Xylene (total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	53	
98-82-8	Isopropylbenzene	51	
79-34-5	1,1,2,2-Tetrachloroethane	52	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-Chloropropane	48	
120-82-1	1,2,4-Trichlorobenzene	50	B
87-61-6	1,2,3-Trichlorobenzene	50	B

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Level:(low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DCE)#	SMC2 (TOL)#	SMC3 (BFB)#	OTHER (DCB)#	TOT OUT
01	NA051310LCS	98	97	96	94	0
02	MBLK051310NA	99	98	98	98	0
03	TS10082	105	117*	139*	112	2
04	TS10082RE	120	125*	152*	133	2
05						
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		QC LIMITS
SMC1 (DCE)	= 1,2-Dichloroethane-d4	(65-155)
SMC2 (TOL)	= Toluene-d8	(80-115)
SMC3 (BFB)	= Bromofluorobenzene	(80-115)
OTHER(DCB)	= 1,2-Dichlorobenzene-d4	(45-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - Sample No.: NA051310LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Xylene (m,p)	100		110	110	80-120
Xylene (o)	50		52	104	85-120
Dichlorodifluoromethane	50		47	94	30-180
Chloromethane	50		48	96	55-150
Vinyl Chloride	50		47	94	65-145
Bromomethane	50		41	82	65-145
Chloroethane	50		43	86	70-135
Trichlorofluoromethane	50		47	94	70-140
1,1-Dichloroethene	50		50	100	75-135
Freon TF	50		48	96	75-140
Acetone	50		45	90	50-130
Carbon Disulfide	50		49	98	80-135
Methylene Chloride	50		51	102	75-140
trans-1,2-Dichloroethen	50		53	106	80-130
Methyl-t-Butyl Ether	50		51	102	85-130
1,1-Dichloroethane	50		51	102	85-120
cis-1,2-Dichloroethene	50		51	102	80-120
2-Butanone	50		49	98	70-135
Bromochloromethane	50		53	106	75-125
Chloroform	50		50	100	85-120
1,1,1-Trichloroethane	50		52	104	80-115
Carbon Tetrachloride	50		52	104	80-115
Benzene	50		54	108	85-120
1,2-Dichloroethane	50		59	118	75-120
Trichloroethene	50		53	106	85-120
1,2-Dichloropropane	50		51	102	85-120
Bromodichloromethane	50		53	106	80-115
cis-1,3-Dichloropropene	50		53	106	85-120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - Sample No.: NA051310LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
4-Methyl-2-pentanone	50		51	102	65-135
Toluene	50		52	104	75-125
trans-1,3-Dichloroprope	50		51	102	85-120
1,1,2-Trichloroethane	50		53	106	75-125
Tetrachloroethene	50		54	108	85-120
2-Hexanone	50		51	102	70-135
Dibromochloromethane	50		54	108	80-120
1,2-Dibromoethane	50		54	108	80-120
Chlorobenzene	50		53	106	80-120
Ethylbenzene	50		53	106	80-120
Xylene (total)	150		160	107	85-120
Styrene	50		53	106	80-125
Bromoform	50		53	106	75-130
Isopropylbenzene	50		51	102	85-120
1,1,2,2-Tetrachloroetha	50		52	104	75-125
1,3-Dichlorobenzene	50		51	102	80-120
1,4-Dichlorobenzene	50		51	102	85-120
1,2-Dichlorobenzene	50		52	104	85-120
1,2-Dibromo-3-Chloropro	50		48	96	65-130
1,2,4-Trichlorobenzene	50		50	100	80-125
1,2,3-Trichlorobenzene	50		50	100	70-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 49 outside limits

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK051310NA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: NATB05 Lab Sample ID: MBLK051310NA

Date Analyzed: 05/13/10 Time Analyzed: 1336

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

Instrument ID: N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	NA051310LCS	NA051310LCS	NAT050Q	1235
02	TS10082	829810	829810	1514
03	TS10082RE	829810R1	829810I2	1602
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COMMENTS:

FORM IV VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: NAT01PV BFB Injection Date: 05/13/10

Instrument ID: N BFB Injection Time: 0741

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	40.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	72.6
175	5.0 - 9.0% of mass 174	5.3 (7.3)1
176	95.0 - 101.0% of mass 174	70.7 (97.4)1
177	5.0 - 9.0% of mass 176	4.7 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	NAT005V	05/13/10	0833
02	VSTD020	VSTD020	NAT020V	05/13/10	0904
03	VSTD050	VSTD050	NAT050V	05/13/10	0934
04	VSTD100	VSTD100	NAT100V	05/13/10	1005
05	VSTD200	VSTD200	NAT200V	05/13/10	1035
06	NA051310LCS	NA051310LCS	NAT050Q	05/13/10	1235
07	MBLK051310NA	MBLK051310NA	NATB05	05/13/10	1336
08	TS10082	829810	829810	05/13/10	1514
09	TS10082RE	829810R1	829810I2	05/13/10	1602
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FORM V VOA

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: N Calibration Date(s): 05/13/10 05/13/10

Heated Purge: (Y/N) Y Calibration Time(s): 0833 1035

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAT005V RRF20 =NAT020V
RRF50 =NAT050V RRF100=NAT100V RRF200=NAT200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane *	0.192	0.190	0.220	0.180	0.184	0.193	8.2*
Chloromethane *	0.200	0.188	0.217	0.176	0.171	0.190	9.7*
Vinyl Chloride *	0.195	0.204	0.244	0.205	0.202	0.210	9.2*
Bromomethane *	0.276	0.228	0.224	0.175	0.172	0.215	20.0*<-
Chloroethane *	0.135	0.138	0.157	0.122	0.078	0.126	23.5*<-
Trichlorofluoromethane *	0.493	0.501	0.587	0.499	0.494	0.515	7.9*
1,1-Dichloroethene *	0.269	0.270	0.310	0.270	0.274	0.279	6.3*
Freon TF *	0.622	0.635	0.709	0.620	0.642	0.646	5.7*
Acetone *	0.054	0.032	0.041	0.033	0.037	0.039	22.4*<-
Carbon Disulfide *	0.814	0.817	0.940	0.821	0.818	0.842	6.5*
Methylene Chloride *	0.291	0.276	0.320	0.284	0.299	0.294	5.8*
trans-1,2-Dichloroethene *	0.293	0.301	0.326	0.296	0.308	0.305	4.3*
Methyl-t-Butyl Ether *	0.443	0.465	0.538	0.476	0.518	0.488	8.0*
1,1-Dichloroethane *	0.485	0.501	0.567	0.508	0.531	0.518	6.1*
cis-1,2-Dichloroethene *	0.281	0.287	0.320	0.277	0.294	0.292	5.9*
2-Butanone *	0.017	0.014	0.017	0.015	0.016	0.016	7.9*
Bromochloromethane *	0.190	0.196	0.222	0.196	0.202	0.201	6.2*
Chloroform *	0.507	0.526	0.580	0.511	0.534	0.532	5.5*
1,1,1-Trichloroethane *	0.405	0.415	0.453	0.401	0.414	0.418	5.0*
Carbon Tetrachloride *	0.398	0.427	0.474	0.418	0.431	0.430	6.6*
Benzene *	0.573	0.586	0.648	0.568	0.584	0.592	5.5*
1,2-Dichloroethane *	0.208	0.218	0.247	0.219	0.236	0.226	6.9*
Trichloroethene *	0.400	0.414	0.463	0.404	0.419	0.420	6.0*
1,2-Dichloropropane *	0.340	0.354	0.399	0.348	0.362	0.361	6.4*
Bromodichloromethane *	0.657	0.689	0.769	0.674	0.717	0.701	6.3*
cis-1,3-Dichloropropene *	0.498	0.526	0.581	0.525	0.560	0.538	6.1*
4-Methyl-2-pentanone *	0.230	0.203	0.251	0.217	0.233	0.227	7.9*
Toluene *	0.673	0.686	0.743	0.648	0.666	0.683	5.2*
trans-1,3-Dichloropropene *	0.499	0.522	0.597	0.521	0.565	0.541	7.3*
1,1,2-Trichloroethane *	0.359	0.360	0.408	0.352	0.379	0.372	6.1*
Tetrachloroethene *	0.562	0.607	0.650	0.563	0.577	0.592	6.3*
2-Hexanone *	0.200	0.156	0.202	0.171	0.187	0.183	10.5*
Dibromochloromethane *	0.784	0.812	0.928	0.802	0.868	0.839	7.1*
1,2-Dibromoethane *	0.664	0.674	0.797	0.687	0.725	0.709	7.6*
Chlorobenzene *	0.945	0.979	1.045	0.930	0.955	0.971	4.6*
Ethylbenzene *	1.293	1.346	1.438	1.273	1.272	1.324	5.3*
Xylene (total) *	0.501	0.510	0.564	0.495	0.499	0.514	5.6*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 6
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: N Calibration Date(s): 05/13/10 05/13/10

Heated Purge: (Y/N) Y Calibration Time(s): 0833 1035

GC Column: DB-624 ID: 0.53 (mm)

LAB FILE ID: RRF5 =NAT005V RRF20 =NAT020V
RRF50 =NAT050V RRF100=NAT100V RRF200=NAT200V

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Styrene *	0.826	0.853	0.966	0.830	0.847	0.864	6.7*
Bromoform *	0.567	0.604	0.717	0.608	0.656	0.630	9.2*
Isopropylbenzene *	2.313	2.366	2.632	2.384	2.410	2.421	5.1*
1,1,2,2-Tetrachloroethane *	1.201	1.244	1.474	1.258	1.351	1.306	8.3*
1,3-Dichlorobenzene *	1.418	1.419	1.546	1.384	1.409	1.435	4.4*
1,4-Dichlorobenzene *	1.559	1.490	1.634	1.435	1.496	1.523	5.0*
1,2-Dichlorobenzene *	1.344	1.338	1.476	1.275	1.313	1.349	5.6*
1,2-Dibromo-3-Chloropropane *	0.250	0.237	0.298	0.253	0.285	0.265	9.7*
1,2,4-Trichlorobenzene *	1.192	1.080	1.206	1.038	1.084	1.120	6.6*
1,2,3-Trichlorobenzene *	1.107	0.971	1.113	0.928	1.004	1.025	8.0*
1,2-Dichloroethane-d4 *	0.180	0.179	0.205	0.182	0.194	0.188	6.0*
Toluene-d8 *	1.010	1.046	1.147	1.004	1.036	1.049	5.5*
Bromofluorobenzene *	1.288	1.315	1.459	1.299	1.350	1.342	5.2*
1,2-Dichlorobenzene-d4 *	0.906	0.911	1.001	0.873	0.905	0.919	5.2*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID (Standard): NAT050V Date Analyzed: 05/13/10

Instrument ID: N Time Analyzed: 0934

GC Column: DB-624 ID: 0.53 (mm) Heated Purge: (Y/N) Y

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	5522220	9.86	4555271	15.87	2762635	20.21
	UPPER LIMIT	11044440	10.36	9110542	16.37	5525270	20.71
	LOWER LIMIT	2761110	9.36	2277636	15.37	1381318	19.71
	CLIENT SAMPLE NO.						
01	NA051310LCS	6253397	9.87	5206702	15.87	3181899	20.21
02	MBLK051310NA	6044911	9.86	4953130	15.87	2924100	20.21
03	TS10082	4018392	9.86	2988691	15.86	1300536*	20.21
04	TS10082RE	4073740	9.86	3110380	15.88	1397885	20.21
05							
06							
07							
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18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8270C Semivolatile

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL15

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: 14 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	380	U
62-75-9	N-Nitrosodimethylamine	380	U
62-53-3	Aniline	970	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl Alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
65-85-0	Benzoic Acid	970	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	970	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL15

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: 14 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	970	U
132-64-9	Dibenzofuran	380	U
100-02-7	4-Nitrophenol	970	U
121-14-2	2,4-Dinitrotoluene	380	U
86-73-7	Fluorene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-nitrosodiphenylamine (1)	380	U
103-33-3	Azobenzene	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	79	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	80	J
92-87-5	Benzidine	970	U
129-00-0	Pyrene	95	J
85-68-7	Butylbenzylphthalate	380	U
56-55-3	Benzo(a)anthracene	43	J
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	Chrysene	48	J
117-81-7	bis(2-Ethylhexyl)phthalate	34	J
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	31	J

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL15

Level: (low/med) LOW Date Received: 05/12/10

% Moisture: 14 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	38	J
50-32-8	Benzo(a)pyrene	35	J
193-39-5	Indeno(1,2,3-cd)pyrene	20	J
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	23	J

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: QFL14

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	330	U
62-75-9	N-Nitrosodimethylamine	330	U
62-53-3	Aniline	830	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
65-85-0	Benzoic Acid	830	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: QFL14

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	830	U
132-64-9	Dibenzofuran	330	U
100-02-7	4-Nitrophenol	830	U
121-14-2	2,4-Dinitrotoluene	330	U
86-73-7	Fluorene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-nitrosodiphenylamine (1)	330	U
103-33-3	Azobenzene	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
92-87-5	Benzidine	830	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
56-55-3	Benzo(a)anthracene	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210E

Sample wt/vol: 30.1 (g/mL) G Lab File ID: QFL14

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted:05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: E051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL13

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
110-86-1	Pyridine	1000	
62-75-9	N-Nitrosodimethylamine	1500	
62-53-3	Aniline	900	
108-95-2	Phenol	1600	
111-44-4	bis(2-Chloroethyl)Ether	1600	
95-57-8	2-Chlorophenol	1600	
541-73-1	1,3-Dichlorobenzene	1600	
106-46-7	1,4-Dichlorobenzene	1500	
100-51-6	Benzyl Alcohol	1600	
95-50-1	1,2-Dichlorobenzene	1500	
95-48-7	2-Methylphenol	1700	
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	
106-44-5	4-Methylphenol	1700	
621-64-7	N-Nitroso-di-n-propylamine	1600	
67-72-1	Hexachloroethane	1400	
98-95-3	Nitrobenzene	1700	
78-59-1	Isophorone	1700	
88-75-5	2-Nitrophenol	1700	
105-67-9	2,4-Dimethylphenol	1800	
111-91-1	bis(2-Chloroethoxy)methane	1700	
65-85-0	Benzoic Acid	1400	
120-83-2	2,4-Dichlorophenol	1800	
120-82-1	1,2,4-Trichlorobenzene	1700	
91-20-3	Naphthalene	1700	
106-47-8	4-Chloroaniline	460	
87-68-3	Hexachlorobutadiene	1600	
59-50-7	4-Chloro-3-methylphenol	1800	
91-57-6	2-Methylnaphthalene	1900	
77-47-4	Hexachlorocyclopentadiene	1500	
88-06-2	2,4,6-Trichlorophenol	1700	
95-95-4	2,4,5-Trichlorophenol	1600	
91-58-7	2-Chloronaphthalene	1500	
88-74-4	2-Nitroaniline	1600	

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: E051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL13

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1600	
606-20-2	2,6-Dinitrotoluene	1700	
99-09-2	3-Nitroaniline	520	J
83-32-9	Acenaphthene	1700	
51-28-5	2,4-Dinitrophenol	1200	
132-64-9	Dibenzofuran	1600	
100-02-7	4-Nitrophenol	1600	
121-14-2	2,4-Dinitrotoluene	1700	
86-73-7	Fluorene	1600	
84-66-2	Diethylphthalate	1700	
7005-72-3	4-Chlorophenyl-phenylether	1600	
100-01-6	4-Nitroaniline	1300	
534-52-1	4,6-Dinitro-2-methylphenol	1700	
86-30-6	N-nitrosodiphenylamine (1)	1800	
103-33-3	Azobenzene	1700	
101-55-3	4-Bromophenyl-phenylether	1800	
118-74-1	Hexachlorobenzene	1800	
87-86-5	Pentachlorophenol	1700	
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	1800	
86-74-8	Carbazole	1700	
84-74-2	Di-n-butylphthalate	1700	
206-44-0	Fluoranthene	1600	
92-87-5	Benzidine	400	J
129-00-0	Pyrene	2300	
85-68-7	Butylbenzylphthalate	2100	
56-55-3	Benzo(a)anthracene	1800	
91-94-1	3,3'-Dichlorobenzidine	680	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	2000	
117-84-0	Di-n-octylphthalate	1800	
205-99-2	Benzo(b)fluoranthene	1600	

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

STLVT SAMPLE NO.

E051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: E051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: QFL13

Level: (low/med) LOW Date Received: _____

% Moisture: 0 decanted: (Y/N) N Date Extracted: 05/12/10

Concentrated Extract Volume: 1000(uL) Date Analyzed: 05/16/10

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	
53-70-3	Dibenz(a,h)anthracene	2000	
191-24-2	Benzo(g,h,i)perylene	2000	

FORM 2
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Level:(low/med) LOW

	STLVT SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (2CP)#	S4 (DCB)#	S5 (NBZ)#	S6 (FBP)#	S7 (TBP)#	S8 (TPH)#	TOT OUT
01	E051210LCS	89	91	88	81	88	90	91	94	0
02	MBLK051210E	94	97	96	80	89	89	89	82	0
03	TS10082	38*	88	37*	80	84	95	36*	76	3
04										
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30										

		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(45-110)	
S2 (PHL)	= Phenol-d5	(50-120)	
S3 (2CP)	= 2-Chlorophenol-d4	(50-115)	(advisory)
S4 (DCB)	= 1,2-Dichlorobenzene-d4	(50-115)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(50-115)	
S6 (FBP)	= 2-Fluorobiphenyl	(45-110)	
S7 (TBP)	= 2,4,6-Tribromophenol	(50-120)	
S8 (TPH)	= Terphenyl-d14	(40-145)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - STLVT Sample No.: E051210LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Pyridine	1700		1000	59	15-105
N-Nitrosodimethylamine	1700		1500	88	55-125
Aniline	1700		900	53	10-105
Phenol	1700		1600	94	60-140
bis(2-Chloroethyl)Ether	1700		1600	94	60-125
2-Chlorophenol	1700		1600	94	60-125
1,3-Dichlorobenzene	1700		1600	94	50-115
1,4-Dichlorobenzene	1700		1500	88	55-120
Benzyl Alcohol	1700		1600	94	50-155
1,2-Dichlorobenzene	1700		1500	88	55-120
2-Methylphenol	1700		1700	100	50-135
2,2'-oxybis(1-Chloropro	1700		1600	94	60-130
4-Methylphenol	1700		1700	100	35-140
N-Nitroso-di-n-prop.(1)	1700		1600	94	45-125
Hexachloroethane	1700		1400	82	55-120
Nitrobenzene	1700		1700	100	55-120
Isophorone	1700		1700	100	50-115
2-Nitrophenol	1700		1700	100	55-135
2,4-Dimethylphenol	1700		1800	106	25-150
bis(2-Chloroethoxy)meth	1700		1700	100	55-125
Benzoic Acid	1700		1400	82	25-145
2,4-Dichlorophenol	1700		1800	106	55-130
1,2,4-Trichlorobenzene	1700		1700	100	55-120
Naphthalene	1700		1700	100	55-120
4-Chloroaniline	1700		460	27	10- 90
Hexachlorobutadiene	1700		1600	94	50-130
4-Chloro-3-methylphenol	1700		1800	106	60-140
2-Methylnaphthalene	1700		1900	112	45-150

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - STLVT Sample No.: E051210LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Hexachlorocyclopentadie	1700		1500	88	30-105
2,4,6-Trichlorophenol	1700		1700	100	60-135
2,4,5-Trichlorophenol	1700		1600	94	60-130
2-Chloronaphthalene	1700		1500	88	45-120
2-Nitroaniline	1700		1600	94	50-125
Dimethylphthalate	1700		1600	94	55-120
Acenaphthylene	1700		1600	94	50-115
2,6-Dinitrotoluene	1700		1700	100	55-130
3-Nitroaniline	1700		520	30	20- 85
Acenaphthene	1700		1700	100	55-120
2,4-Dinitrophenol	1700		1200	70	25-160
Dibenzofuran	1700		1600	94	55-120
4-Nitrophenol	1700		1600	94	30-155
2,4-Dinitrotoluene	1700		1700	100	50-120
Fluorene	1700		1600	94	50-125
Diethylphthalate	1700		1700	100	50-125
4-Chlorophenyl-phenylet	1700		1600	94	50-120
4-Nitroaniline	1700		1300	76	25-115
4,6-Dinitro-2-methylphe	1700		1700	100	55-160
N-nitrosodiphenylamine	1700		1800	106	45-130
Azobenzene	1700		1700	100	60-140
4-Bromophenyl-phenyleth	1700		1800	106	55-130
Hexachlorobenzene	1700		1800	106	55-125
Pentachlorophenol	1700		1700	100	50-140
Phenanthrene	1700		1700	100	60-125
Anthracene	1700		1800	106	60-125
Carbazole	1700		1700	100	55-125
Di-n-butylphthalate	1700		1700	100	50-120

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - STLVT Sample No.: E051210LCS Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Fluoranthene	1700		1600	94	50-120
Benzidine	1700		400	24	10-120
Pyrene	1700		2300	135	35-175
Butylbenzylphthalate	1700		2100	124	65-145
Benzo(a)anthracene	1700		1800	106	55-130
3,3'-Dichlorobenzidine	1700		680	40	10-120
Chrysene	1700		1800	106	60-125
bis(2-Ethylhexyl)phthal	1700		2000	118	55-140
Di-n-octylphthalate	1700		1800	106	60-135
Benzo(b)fluoranthene	1700		1600	94	45-130
Benzo(k)fluoranthene	1700		1800	106	60-125
Benzo(a)pyrene	1700		1700	100	55-120
Indeno(1,2,3-cd)pyrene	1700		1800	106	55-135
Dibenz(a,h)anthracene	1700		2000	118	35-145
Benzo(g,h,i)perylene	1700		2000	118	45-135

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 71 outside limits

COMMENTS: _____

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

STLVT SAMPLE NO.

MBLK051210E

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: QFL14 Lab Sample ID: MBLK051210E

Instrument ID: Q Date Extracted: 05/12/10

Matrix: (soil/water) SOIL Date Analyzed: 05/16/10

Level:(low/med) LOW Time Analyzed: 1326

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	STLVT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E051210LCS	E051210LCS	QFL13	05/16/10
02	TS10082	829810	QFL15	05/16/10
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS:

FORM IV SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID: QFL03 DFTPP Injection Date: 05/16/10

Instrument ID: Q DFTPP Injection Time: 0731

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	63.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	18.3
365	Greater than 1.0% of mass 198	2.13
441	Present, but less than mass 443	7.2
442	Greater than 40.0% of mass 198	61.8
443	17.0 - 23.0% of mass 442	12.0 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD160	SSTD160	QFL04	05/16/10	0752
02	SSTD140	SSTD140	QFL05	05/16/10	0826
03	SSTD120	SSTD120	QFL06	05/16/10	0859
04	SSTD100	SSTD100	QFL07	05/16/10	0932
05	SSTD080	SSTD080	QFL08	05/16/10	1006
06	SSTD050	SSTD050	QFL09	05/16/10	1039
07	SSTD020	SSTD020	QFL10	05/16/10	1113
08	SSTD320	SSTD320	QFL11	05/16/10	1146
09	SSTD100-ICV	SSTD100-ICV	QFL12	05/16/10	1220
10	E051210LCS	E051210LCS	QFL13	05/16/10	1253
11	MBLK051210E	MBLK051210E	QFL14	05/16/10	1326
12	TS10082	829810	QFL15	05/16/10	1400
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V SV

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =qfl10.d RRF50 =qfl09.d
RRF80 =qfl08.d RRF100=qfl07.d RRF120=qfl06.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Pyridine	1.003	1.081	1.106	1.141	1.034		
N-Nitrosodimethylamine	0.617	0.637	0.662	0.670	0.641		
Aniline		1.722	1.797	1.916	1.849		
Phenol *	1.531	1.470	1.544	1.628	1.490		*
bis(2-Chloroethyl)Ether	1.162	1.104	1.178	1.183	1.132		
2-Chlorophenol	1.368	1.312	1.366	1.374	1.322		
1,3-Dichlorobenzene	1.382	1.386	1.411	1.533	1.506		
1,4-Dichlorobenzene *	1.416	1.363	1.504	1.522	1.520		*
Benzyl Alcohol	0.740	0.756	0.796	0.806	0.793		
1,2-Dichlorobenzene	1.352	1.310	1.454	1.438	1.415		
2-Methylphenol	0.957	0.975	0.982	1.048	1.003		
2,2'-oxybis(1-Chloropropane	1.440	1.425	1.492	1.574	1.507		
4-Methylphenol	1.191	1.204	1.243	1.300	1.280		
N-Nitroso-di-n-propylamine #	0.830	0.851	0.885	0.890	0.893		#
Hexachloroethane	0.662	0.662	0.693	0.701	0.718		
Nitrobenzene	0.378	0.369	0.360	0.389	0.384		
Isophorone	0.661	0.650	0.698	0.693	0.714		
2-Nitrophenol *	0.199	0.205	0.211	0.221	0.218		*
2,4-Dimethylphenol	0.345	0.332	0.361	0.368	0.343		
bis(2-Chloroethoxy)methane	0.388	0.394	0.394	0.399	0.394		
Benzoic Acid		0.238	0.265	0.265	0.262		
2,4-Dichlorophenol *	0.301	0.298	0.294	0.322	0.301		*
1,2,4-Trichlorobenzene	0.340	0.322	0.357	0.353	0.346		
Naphthalene	0.934	0.996	1.020	1.044	0.957		
4-Chloroaniline	0.426	0.430	0.458	0.465	0.452		
Hexachlorobutadiene *	0.171	0.182	0.188	0.199	0.179		*
4-Chloro-3-methylphenol *	0.264	0.277	0.288	0.296	0.279		*
2-Methylnaphthalene	0.201	0.206	0.212	0.218	0.208		
Hexachlorocyclopentadiene #	0.260	0.369	0.369	0.386	0.414		#
2,4,6-Trichlorophenol *	0.367	0.413	0.406	0.416	0.423		*
2,4,5-Trichlorophenol		0.422	0.422	0.472	0.452		
2-Chloronaphthalene	0.432	0.470	0.484	0.475	0.484		
2-Nitroaniline		0.381	0.364	0.391	0.380		
Dimethylphthalate	1.237	1.395	1.385	1.466	1.409		
Acenaphthylene	1.665	1.969	1.947	2.107	1.995		
2,6-Dinitrotoluene	0.267	0.336	0.315	0.333	0.332		
3-Nitroaniline		0.372	0.389	0.389	0.412		

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =qfl10.d RRF50 =qfl09.d
RRF80 =qfl08.d RRF100=qfl07.d RRF120=qfl06.d

COMPOUND		RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD	
Acenaphthene	*	1.003	1.037	1.111	1.078	1.050			*
2,4-Dinitrophenol	#		0.150	0.185	0.210	0.213			#
Dibenzofuran		1.452	1.700	1.739	1.723	1.767			
4-Nitrophenol	#		0.268	0.260	0.283	0.275			#
2,4-Dinitrotoluene		0.366	0.422	0.402	0.435	0.426			
Fluorene		1.131	1.306	1.314	1.395	1.309			
Diethylphthalate		1.318	1.494	1.411	1.506	1.443			
4-Chlorophenyl-phenylether		0.514	0.567	0.548	0.594	0.581			
4-Nitroaniline			0.372	0.349	0.350	0.371			
4,6-Dinitro-2-methylphenol			0.113	0.122	0.127	0.136			
N-nitrosodiphenylamine (1)	*	0.565	0.611	0.609	0.593	0.619			*
Azobenzene		0.232	0.278	0.265	0.276	0.263			
4-Bromophenyl-phenylether		0.190	0.194	0.202	0.202	0.200			
Hexachlorobenzene		0.234	0.250	0.242	0.258	0.239			
Pentachlorophenol	*		0.148	0.149	0.157	0.152			*
Phenanthrene		0.984	1.047	0.981	1.003	0.999			
Anthracene		0.970	1.036	1.067	1.025	0.979			
Carbazole		0.978	0.982	0.996	1.001	1.045			
Di-n-butylphthalate		1.279	1.436	1.392	1.422	1.442			
Fluoranthene	*	1.005	0.976	0.965	1.115	0.988			*
Benzidine			0.744	0.678	0.670	0.702			
Pyrene		1.232	1.343	1.295	1.424	1.366			
Butylbenzylphthalate		0.607	0.748	0.709	0.804	0.803			
Benzo(a)anthracene		0.964	1.055	0.979	1.054	1.055			
3,3'-Dichlorobenzidine		0.262	0.400	0.393	0.408	0.418			
Chrysene		0.929	0.946	0.954	1.005	1.027			
bis(2-Ethylhexyl)phthalate		0.840	0.915	0.899	0.938	1.015			
Di-n-octylphthalate	*	1.168	1.446	1.480	1.542	1.654			*
Benzo(b)fluoranthene		1.110	1.266	1.031	1.113	1.073			
Benzo(k)fluoranthene		1.209	1.116	1.306	1.452	1.209			
Benzo(a)pyrene	*	0.956	1.027	1.062	1.133	1.003			*
Indeno(1,2,3-cd)pyrene		1.154	1.183	1.283	1.534	1.479			
Dibenz(a,h)anthracene		0.864	0.927	0.998	1.155	1.092			
Benzo(g,h,i)perylene		1.002	0.987	1.085	1.284	1.272			
2-Fluorophenol		1.340	1.276	1.240	1.336	1.333			

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 =qfl10.d RRF50 =qfl09.d
RRF80 =qfl08.d RRF100=qfl07.d RRF120=qfl06.d

COMPOUND	RRF20	RRF50	RRF80	RRF100	RRF120	$\overline{RRF}$	% RSD
Phenol-d5	1.705	1.677	1.608	1.704	1.676		
2-Chlorophenol-d4	1.424	1.363	1.322	1.354	1.373		
1,2-Dichlorobenzene-d4	1.035	1.007	0.969	0.972	1.048		
Nitrobenzene-d5	0.420	0.422	0.391	0.455	0.439		
2-Fluorobiphenyl	1.401	1.463	1.317	1.457	1.545		
2,4,6-Tribromophenol	0.231	0.253	0.245	0.264	0.271		
Terphenyl-d14	0.923	0.880	0.802	0.918	1.044		

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=qfl05.d RRF160=qfl04.d
RRF320=qfl11.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Pyridine	0.932	1.059				1.051	6.6
N-Nitrosodimethylamine	0.586	0.642				0.636	4.4
Aniline	1.712	1.873				1.812	4.6
Phenol *	1.337	1.498				1.500	5.9*
bis(2-Chloroethyl)Ether	1.037	1.150				1.135	4.5
2-Chlorophenol	1.201	1.336				1.326	4.5
1,3-Dichlorobenzene	1.303	1.481				1.429	5.7
1,4-Dichlorobenzene *	1.391	1.506				1.460	4.6*
Benzyl Alcohol	0.747	0.764				0.772	3.4
1,2-Dichlorobenzene	1.312	1.434				1.388	4.4
2-Methylphenol	0.900	1.046				0.987	5.3
2,2'-oxybis(1-Chloropropane	1.375	1.566				1.483	5.0
4-Methylphenol	1.134	1.325				1.240	5.4
N-Nitroso-di-n-propylamine #	0.772	0.895				0.859	5.3#
Hexachloroethane	0.626	0.704				0.681	4.7
Nitrobenzene	0.361	0.375				0.374	2.9
Isophorone	0.667	0.682				0.681	3.4
2-Nitrophenol *	0.218	0.208				0.211	3.9*
2,4-Dimethylphenol	0.343	0.329				0.346	4.0
bis(2-Chloroethoxy)methane	0.387	0.380				0.391	1.6
Benzoic Acid	0.260	0.267	0.296			0.265	6.4
2,4-Dichlorophenol *	0.297	0.311				0.303	3.3*
1,2,4-Trichlorobenzene	0.344	0.348				0.344	3.3
Naphthalene	1.022	0.933				0.986	4.6
4-Chloroaniline	0.438	0.460				0.447	3.4
Hexachlorobutadiene *	0.184	0.178				0.183	4.8*
4-Chloro-3-methylphenol *	0.273	0.274				0.279	3.8*
2-Methylnaphthalene	0.201	0.217				0.209	3.4
Hexachlorocyclopentadiene #	0.393	0.420				0.373	14.3#
2,4,6-Trichlorophenol *	0.384	0.426				0.405	5.3*
2,4,5-Trichlorophenol	0.421	0.441				0.438	4.7
2-Chloronaphthalene	0.464	0.444				0.465	4.3
2-Nitroaniline	0.375	0.372				0.377	2.4
Dimethylphthalate	1.323	1.341				1.365	5.4
Acenaphthylene	1.946	1.957				1.941	6.9
2,6-Dinitrotoluene	0.301	0.321				0.315	7.8
3-Nitroaniline	0.389	0.372				0.387	3.8

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=qfl05.d RRF160=qfl04.d
RRF320=qfl11.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD	
Acenaphthene *	1.029	1.075				1.055	3.4*	
2,4-Dinitrophenol #	0.193	0.206				0.193	12.3#	
Dibenzofuran	1.620	1.674				1.668	6.4	
4-Nitrophenol #	0.247	0.283				0.269	5.2#	
2,4-Dinitrotoluene	0.385	0.441				0.411	6.8	
Fluorene	1.226	1.288				1.281	6.4	
Diethylphthalate	1.368	1.411				1.422	4.7	
4-Chlorophenyl-phenylether	0.535	0.563				0.557	4.9	
4-Nitroaniline	0.320	0.352				0.352	5.4	
4,6-Dinitro-2-methylphenol	0.128	0.140				0.128	7.5	
N-nitrosodiphenylamine (1) *	0.605	0.603				0.601	2.9*	
Azobenzene	0.246	0.255				0.259	6.4	
4-Bromophenyl-phenylether	0.188	0.196				0.196	2.9	
Hexachlorobenzene	0.233	0.234				0.241	3.9	
Pentachlorophenol *	0.150	0.149				0.151	2.2*	
Phenanthrene	1.004	1.029				1.007	2.4	
Anthracene	0.998	1.035				1.016	3.4	
Carbazole	0.964	0.955				0.989	3.0	
Di-n-butylphthalate	1.359	1.423				1.393	4.2	
Fluoranthene *	0.999	0.991				1.006	5.0*	
Benzidine	0.586	0.577				0.660	10.0	
Pyrene	1.296	1.258				1.316	5.0	
Butylbenzylphthalate	0.708	0.720				0.728	9.2	
Benzo(a)anthracene	0.979	0.983				1.010	4.2	
3,3'-Dichlorobenzidine	0.329	0.376				0.369	15.0	<-
Chrysene	0.923	0.945				0.961	4.1	
bis(2-Ethylhexyl)phthalate	0.890	0.901				0.914	5.9	
Di-n-octylphthalate *	1.533	1.543				1.481	10.3*	
Benzo(b)fluoranthene	1.009	1.025				1.090	8.1	
Benzo(k)fluoranthene	1.114	1.178				1.226	9.7	
Benzo(a)pyrene *	1.005	1.032				1.031	5.4*	
Indeno(1,2,3-cd)pyrene	1.476	1.672				1.397	13.9	
Dibenz(a,h)anthracene	1.082	1.342				1.066	14.8	
Benzo(g,h,i)perylene	1.221	1.471				1.189	14.7	
2-Fluorophenol	1.215	1.449				1.313	5.9	

(1) Cannot be separated from Diphenylamine

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: Q Calibration Date(s): 05/16/10

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF140=qfl05.d RRF160=qfl04.d
RRF320=qfl11.d

COMPOUND	RRF140	RRF160	RRF320			$\overline{RRF}$	% RSD
Phenol-d5	1.583	1.794				1.678	4.1
2-Chlorophenol-d4	1.302	1.462				1.371	4.1
1,2-Dichlorobenzene-d4	0.966	1.106				1.015	5.1
Nitrobenzene-d5	0.438	0.432				0.428	4.7
2-Fluorobiphenyl	1.509	1.640				1.476	7.0
2,4,6-Tribromophenol	0.240	0.269				0.253	6.1
Terphenyl-d14	0.939	0.937				0.920	7.9

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID (Standard): QFL09 Date Analyzed: 05/16/10

Instrument ID: Q Time Analyzed: 1039

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	309376	5.53	1027480	7.49	494178	10.06
	UPPER LIMIT	618752	6.03	2054960	7.99	988356	10.56
	LOWER LIMIT	154688	5.03	513740	6.99	247089	9.56
	STLVT SAMPLE NO.						
01	E051210LCS	422395	5.54	1368942	7.50	727524	10.06
02	MBLK051210E	411544	5.53	1409396	7.49	731026	10.06
03	TS10082	396578	5.53	1342927	7.49	599917	10.06
04							
05							
06							
07							
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21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab File ID (Standard): QFL09 Date Analyzed: 05/16/10

Instrument ID: Q Time Analyzed: 1039

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	837194	12.02	667260	15.56	574672	17.32
	UPPER LIMIT	1674388	12.52	1334520	16.06	1149344	17.82
	LOWER LIMIT	418597	11.52	333630	15.06	287336	16.82
	STLVT SAMPLE NO.						
01	E051210LCS	1145298	12.03	636808	15.57	598507	17.32
02	MBLK051210E	1229640	12.03	914681	15.55	651733	17.31
03	TS10082	789723	12.03	515905	15.56	597068	17.32
04							
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21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8082 PCBS

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10082

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: 829810

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 17MAY102004-R031

% Moisture: 14 decanted: (Y/N) N Date Received: 05/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	19	U
11104-28-2	Aroclor-1221	19	U
11141-16-5	Aroclor-1232	19	U
53469-21-9	Aroclor-1242	19	U
12672-29-6	Aroclor-1248	19	U
11097-69-1	Aroclor-1254	19	U
11096-82-5	Aroclor-1260	19	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK051210D

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: MBLK051210D

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 17MAY102004-R011

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

D051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix: (soil/water) SOIL Lab Sample ID: D051210LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 17MAY102004-R021

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	150	
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	150	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

GC Column(1): MR-1 ID: 0.53 (mm) GC Column(2): MR-2 ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK051210D	98	98	90	90			0
02	D051210LCS	98	98	82	90			0
03	TS10082	84	90	71	71			0
04								
05								
06								
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28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-130)
S2 (DCB) = Decachlorobiphenyl (45-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Matrix Spike - Sample No.: D051210LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	170		150	88	55-120
Aroclor-1260	170		150	88	55-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK051210D

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab Sample ID: MBLK051210D Lab File ID: 17MAY102004-R011

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N Date Extracted: 05/12/10

Date Analyzed (1): 05/18/10 Date Analyzed (2): 05/18/10

Time Analyzed (1): 0137 Time Analyzed (2): 0137

Instrument ID (1): 2624_1 Instrument ID (2): 2624_2

GC Column (1): MR-1 ID: 0.53(mm) GC Column (2): MR-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	D051210LCS	D051210LCS	05/18/10	05/18/10
02	TS10082	829810	05/18/10	05/18/10
03				
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23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_1 Calibration Date(s): 05/17/10 05/18/10

Column: MR-1 ID: 0.53 (mm) Calibration Time(s): 2040 0034

LAB FILE ID: RF50: 17MAY101933-RF100: 17MAY101933RF200: 17MAY101933
RF400: 17MAY101933RF800: 17MAY101933

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	252.500	230.660	219.140	185.712	164.255
(2)	211.640	193.380	188.300	162.252	146.141
(3)	292.640	267.960	258.860	225.822	205.852
(4)	230.560	211.460	204.290	176.868	159.220
(5)	210.540	195.350	193.115	169.825	155.340
Aroclor-1221			97.280		
(2)			71.440		
(3)			216.250		
(4)			36.225		
(5)			34.310		
Aroclor-1232			185.865		
(2)			100.345		
(3)			85.165		
(4)			228.440		
(5)			115.815		
Aroclor-1242			175.730		
(2)			149.085		
(3)			408.190		
(4)			203.200		
(5)			165.070		
Aroclor-1248			102.920		
(2)			69.785		
(3)			266.260		
(4)			103.745		
(5)			211.935		
Aroclor-1254			157.950		
(2)			135.570		
(3)			272.965		
(4)			119.965		
(5)			348.155		
Aroclor-1260	395.060	363.380	351.250	301.438	274.851
(2)	892.780	831.770	818.085	724.822	671.835
(3)	530.400	495.360	489.065	429.642	402.135
(4)	241.300	228.720	229.410	204.568	192.679
(5)	264.720	251.480	247.305	218.188	202.351
Tetrachloro-m-xylene	8313.400	7995.700	8139.500	7295.750	6699.338
Decachlorobiphenyl	9274.800	8234.400	7810.050	6593.050	5964.312

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_1 Calibration Date(s): 05/17/10 05/18/10

Column: MR-1 ID: 0.53 (mm) Calibration Time(s): 2040 0034

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	210.453500	16.796	20.000	
(2)	AVRG	180.342750	14.432	20.000	
(3)	AVRG	250.227000	13.775	20.000	
(4)	AVRG	196.479500	14.440	20.000	
(5)	AVRG	184.834000	11.900	20.000	
Aroclor-1221	AVRG	97.2800000	0.000	20.000	<-
(2)	AVRG	71.4400000	0.000	20.000	<-
(3)	AVRG	216.250000	0.000	20.000	<-
(4)	AVRG	36.2250000	0.000	20.000	<-
(5)	AVRG	34.3100000	0.000	20.000	<-
Aroclor-1232	AVRG	185.865000	0.000	20.000	<-
(2)	AVRG	100.345000	0.000	20.000	<-
(3)	AVRG	85.1650000	0.000	20.000	<-
(4)	AVRG	228.440000	0.000	20.000	<-
(5)	AVRG	115.815000	0.000	20.000	<-
Aroclor-1242	AVRG	175.730000	0.000	20.000	<-
(2)	AVRG	149.085000	0.000	20.000	<-
(3)	AVRG	408.190000	0.000	20.000	<-
(4)	AVRG	203.200000	0.000	20.000	<-
(5)	AVRG	165.070000	0.000	20.000	<-
Aroclor-1248	AVRG	102.920000	0.000	20.000	<-
(2)	AVRG	69.7850000	0.000	20.000	<-
(3)	AVRG	266.260000	0.000	20.000	<-
(4)	AVRG	103.745000	0.000	20.000	<-
(5)	AVRG	211.935000	0.000	20.000	<-
Aroclor-1254	AVRG	157.950000	0.000	20.000	<-
(2)	AVRG	135.570000	0.000	20.000	<-
(3)	AVRG	272.965000	0.000	20.000	<-
(4)	AVRG	119.965000	0.000	20.000	<-
(5)	AVRG	348.155000	0.000	20.000	<-
Aroclor-1260	AVRG	337.195750	14.374	20.000	
(2)	AVRG	787.858500	11.225	20.000	
(3)	AVRG	469.320500	11.116	20.000	
(4)	AVRG	219.335250	9.120	20.000	
(5)	AVRG	236.808750	10.846	20.000	
Tetrachloro-m-xylene	AVRG	7688.73750	8.775	20.000	
Decachlorobiphenyl	AVRG	7575.32250	17.385	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_2 Calibration Date(s): 05/17/10 05/18/10

Column: MR-2 ID: 0.53 (mm) Calibration Time(s): 2040 0034

LAB FILE ID: RF50: 17MAY101933-RF100: 17MAY101933RF200: 17MAY101933
RF400: 17MAY101933RF800: 17MAY101933

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	120.060	113.100	111.280	97.755	90.136
(2)	203.440	187.340	181.415	156.545	140.505
(3)	356.660	346.020	355.885	322.822	300.400
(4)	172.060	164.020	165.415	148.730	139.792
(5)	132.300	127.840	132.165	121.138	114.492
Aroclor-1221			23.110		
(2)			59.025		
(3)			44.160		
(4)			145.230		
(5)			25.200		
Aroclor-1232			124.040		
(2)			82.880		
(3)			149.160		
(4)			71.280		
(5)			53.745		
Aroclor-1242			145.835		
(2)			115.660		
(3)			275.900		
(4)			129.120		
(5)			102.085		
Aroclor-1248			79.140		
(2)			175.975		
(3)			71.500		
(4)			180.955		
(5)			88.080		
Aroclor-1254			155.925		
(2)			88.635		
(3)			178.645		
(4)			155.120		
(5)			243.380		
Aroclor-1260	283.140	270.290	275.540	243.830	230.014
(2)	580.420	559.200	567.835	506.030	476.131
(3)	149.920	144.040	148.160	130.320	122.039
(4)	65.300	64.320	68.530	62.785	59.999
(5)	169.500	166.240	172.980	154.232	146.605
Tetrachloro-m-xylene	5035.200	4963.700	5300.700	4862.825	4575.850
Decachlorobiphenyl	6499.800	5962.100	5758.000	4922.400	4471.312

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_2 Calibration Date(s): 05/17/10 05/18/10

Column: MR-2 ID: 0.53 (mm) Calibration Time(s): 2040 0034

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	106.466250	11.451	20.000	
(2)	AVRG	173.849000	14.455	20.000	
(3)	AVRG	336.357500	7.226	20.000	
(4)	AVRG	158.003500	8.410	20.000	
(5)	AVRG	125.587000	6.120	20.000	
Aroclor-1221	AVRG	23.1100000	0.000	20.000	<-
(2)	AVRG	59.0250000	0.000	20.000	<-
(3)	AVRG	44.1600000	0.000	20.000	<-
(4)	AVRG	145.230000	0.000	20.000	<-
(5)	AVRG	25.2000000	0.000	20.000	<-
Aroclor-1232	AVRG	124.040000	0.000	20.000	<-
(2)	AVRG	82.8800000	0.000	20.000	<-
(3)	AVRG	149.160000	0.000	20.000	<-
(4)	AVRG	71.2800000	0.000	20.000	<-
(5)	AVRG	53.7450000	0.000	20.000	<-
Aroclor-1242	AVRG	145.835000	0.000	20.000	<-
(2)	AVRG	115.660000	0.000	20.000	<-
(3)	AVRG	275.900000	0.000	20.000	<-
(4)	AVRG	129.120000	0.000	20.000	<-
(5)	AVRG	102.085000	0.000	20.000	<-
Aroclor-1248	AVRG	79.1400000	0.000	20.000	<-
(2)	AVRG	175.975000	0.000	20.000	<-
(3)	AVRG	71.5000000	0.000	20.000	<-
(4)	AVRG	180.955000	0.000	20.000	<-
(5)	AVRG	88.0800000	0.000	20.000	<-
Aroclor-1254	AVRG	155.925000	0.000	20.000	<-
(2)	AVRG	88.6350000	0.000	20.000	<-
(3)	AVRG	178.645000	0.000	20.000	<-
(4)	AVRG	155.120000	0.000	20.000	<-
(5)	AVRG	243.380000	0.000	20.000	<-
Aroclor-1260	AVRG	260.562750	8.671	20.000	
(2)	AVRG	537.923250	8.308	20.000	
(3)	AVRG	138.895750	8.755	20.000	
(4)	AVRG	64.1867500	4.904	20.000	
(5)	AVRG	161.911500	6.850	20.000	
Tetrachloro-m-xylene	AVRG	4947.65500	5.328	20.000	
Decachlorobiphenyl	AVRG	5522.72250	14.791	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_1 Calibration Date: 05/18/10 Time: 0509

Lab File ID: 17MAY102004-R1 Init. Calib. Date(s): 05/17/10 05/18/10

Init. Calib. Times: 2309 0034

GC Column: MR-1 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	210.453	217.690		3.4	15.0
(2)	180.343	186.795		3.6	15.0
(3)	250.227	259.710		3.8	15.0
(4)	196.480	203.325		3.5	15.0
(5)	184.834	191.230		3.5	15.0
Aroclor-1260	337.196	343.850		2.0	15.0
(2)	787.858	814.615		3.4	15.0
(3)	469.320	484.505		3.2	15.0
(4)	219.335	218.675		0.3	15.0
(5)	236.809	238.765		0.8	15.0
Tetrachloro-m-xylene	7688.738	8163.250		6.2	15.0
Decachlorobiphenyl	7575.322	7438.350		1.8	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Instrument ID: 2624_2 Calibration Date: 05/18/10 Time: 0509

Lab File ID: 17MAY102004-R1 Init. Calib. Date(s): 05/17/10 05/18/10

Init. Calib. Times: 2309 0034

GC Column: MR-2 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	106.466	111.050		4.3	15.0
(2)	173.849	178.725		2.8	15.0
(3)	336.357	353.345		5.0	15.0
(4)	158.003	164.140		3.9	15.0
(5)	125.587	130.765		4.1	15.0
Aroclor-1260	260.563	267.350		2.6	15.0
(2)	537.923	549.975		2.2	15.0
(3)	138.896	140.705		1.3	15.0
(4)	64.187	63.755		0.7	15.0
(5)	161.911	163.300		0.8	15.0
Tetrachloro-m-xylene	4947.655	5290.600		6.9	15.0
Decachlorobiphenyl	5522.722	5471.900		0.9	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

GC Column: MR-1 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/10 05/18/10

Instrument ID: 2624_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.39 DCB: 13.75

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	05/17/10	2040	5.39	13.75
02	AR1232 200	AR1232 200	05/17/10	2102	5.37	13.73
03	AR1242 200	AR1242 200	05/17/10	2123	5.38	13.73
04	AR1248 200	AR1248 200	05/17/10	2144	5.38	13.74
05	AR1254 200	AR1254 200	05/17/10	2205	5.38	13.74
06	AR1262 200	AR1262 200	05/17/10	2226	5.38	13.74
07	AR1268 200	AR1268 200	05/17/10	2248	5.38	13.73
08	AR1660 50	AR1660 50	05/17/10	2309	5.39	13.75
09	AR1660 100	AR1660 100	05/17/10	2330	5.38	13.74
10	AR1660 200	AR1660 200	05/17/10	2351	5.39	13.75
11	AR1660 400	AR1660 400	05/18/10	0012	5.38	13.74
12	AR1660 800	AR1660 800	05/18/10	0034	5.39	13.74
13	AR1660 ICV	AR1660 ICV	05/18/10	0116	5.39	13.75
14	MBLK051210D	MBLK051210D	05/18/10	0137	5.39	13.74
15	D051210LCS	D051210LCS	05/18/10	0158	5.39	13.75
16	TS10082	829810	05/18/10	0220	5.39	13.75
17	AR1660 200PP	AR1660 200PP	05/18/10	0509	5.40	13.75
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl	(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII OTHER

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

GC Column: MR-2 ID: 0.53 (mm) Init. Calib. Date(s): 05/17/10 05/18/10

Instrument ID: 2624_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.48 DCB: 13.89

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	05/17/10	2040	5.49	13.90
02	AR1232 200	AR1232 200	05/17/10	2102	5.47	13.89
03	AR1242 200	AR1242 200	05/17/10	2123	5.47	13.89
04	AR1248 200	AR1248 200	05/17/10	2144	5.47	13.89
05	AR1254 200	AR1254 200	05/17/10	2205	5.47	13.89
06	AR1262 200	AR1262 200	05/17/10	2226	5.48	13.89
07	AR1268 200	AR1268 200	05/17/10	2248	5.47	13.88
08	AR1660 50	AR1660 50	05/17/10	2309	5.49	13.90
09	AR1660 100	AR1660 100	05/17/10	2330	5.47	13.88
10	AR1660 200	AR1660 200	05/17/10	2351	5.48	13.89
11	AR1660 400	AR1660 400	05/18/10	0012	5.48	13.89
12	AR1660 800	AR1660 800	05/18/10	0034	5.48	13.89
13	AR1660 ICV	AR1660 ICV	05/18/10	0116	5.49	13.90
14	MBLK051210D	MBLK051210D	05/18/10	0137	5.47	13.89
15	D051210LCS	D051210LCS	05/18/10	0158	5.48	13.89
16	TS10082	829810	05/18/10	0220	5.48	13.89
17	AR1660 200PP	AR1660 200PP	05/18/10	0509	5.49	13.90
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl	(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.

D051210LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL545

Lab Sample ID: D051210LCS Date(s) Analyzed: 05/18/10 05/18/10

Instrument ID (1): 2624_1 Instrument ID (2): 2624_2

GC Column(1): MR-1 ID: 0.53(mm) GC Column(2): MR-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	6.77	6.72	6.82	140		
Aroclor-1016	2	7.08	7.03	7.13	150		
	3	7.67	7.62	7.72	150		
COLUMN 1	4	8.33	8.28	8.38	140		
	5	8.54	8.49	8.59	150	150	
	1	6.36	6.31	6.41	150		
	2	6.99	6.94	7.04	150		
	3	7.78	7.74	7.84	160		
COLUMN 2	4	7.88	7.83	7.93	150		
	5	8.09	8.04	8.14	160	150	0.0
	1	11.42	11.37	11.47	140		
Aroclor-1260	2	12.15	12.10	12.20	150		
	3	12.49	12.44	12.54	150		
COLUMN 1	4	12.59	12.54	12.64	150		
	5	13.21	13.16	13.26	140	150	
	1	11.56	11.52	11.62	150		
	2	12.27	12.22	12.32	150		
	3	12.63	12.59	12.69	150		
COLUMN 2	4	13.14	13.09	13.19	160		
	5	13.33	13.28	13.38	150	150	0.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

Subcontract Data

ANALYTICAL REPORT

Job Number: 500-25500-1

Job Description: TAL Burlington Workshare - KAL545

For:
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Attention: Mr. Jim Madison

Approved for release.
Eric A. Lang
Project Manager II
5/21/2010 4:01 PM

Eric A. Lang
Project Manager II
eric.lang@testamericainc.com
05/21/2010

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Wisconsin - Gasoline Range Organics (GC)	TAL CHI	WI-GRO WI-GRO	
Closed System Purge and Trap	TAL CHI		SW846 5035
Organochlorine Pesticides (GC)	TAL CHI	SW846 8081A	
Automated Soxhlet Extraction	TAL CHI		SW846 3541
Wisconsin - Diesel Range Organics (GC)	TAL CHI	WI-DRO WI-DRO	
Wisconsin Extraction (Diesel Range Organics)	TAL CHI		WI-DRO WI DRO PREP
Percent Moisture	TAL CHI	EPA Moisture	

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

WI-DRO = "Modified DRO: Method For Determining Diesel Range Organics", Wisconsin DNR, Publ-SW-141, September, 1995.

WI-GRO = "Modified GRO: Method For Determining Gasoline Range Organics", Wisconsin DNR, Publ-SW-140, September, 1995.

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Method	Analyst	Analyst ID
WI-GRO WI-GRO	Estes, William R	WRE
SW846 8081A	Mroz, Krzysztof A	KAM
WI-DRO WI-DRO	Gibson, Patti	PG
EPA Moisture	Kolarczyk, Paul F	PFK

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-25500-1	TS10082	Solid	05/11/2010 1000	05/13/2010 1030

SAMPLE RESULTS

Mr. Jim Madison
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Job Number: 500-25500-1

Client Sample ID: TS10082
Lab Sample ID: 500-25500-1

Date Sampled: 05/11/2010 1000
Date Received: 05/13/2010 1030
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: WI-GRO			Date Analyzed:	05/15/2010 1542		
Prep Method: 5035			Date Prepared:	05/11/2010 0900		
WI Gasoline Range Organics (C5-C10)	<1800		ug/Kg	500	1800	50
Method: 8081A			Date Analyzed:	05/19/2010 1607		
Prep Method: 3541			Date Prepared:	05/18/2010 1649		
Aldrin	<1.9		ug/Kg	0.64	1.9	1.0
alpha-BHC	<1.9		ug/Kg	0.64	1.9	1.0
alpha-Chlordane	<1.9		ug/Kg	0.51	1.9	1.0
beta-BHC	<1.9		ug/Kg	1.0	1.9	1.0
4,4'-DDD	<1.9		ug/Kg	0.59	1.9	1.0
4,4'-DDE	<1.9		ug/Kg	0.37	1.9	1.0
4,4'-DDT	<1.9		ug/Kg	0.34	1.9	1.0
delta-BHC	<1.9		ug/Kg	0.83	1.9	1.0
Dieldrin	<1.9		ug/Kg	0.37	1.9	1.0
Endosulfan I	<1.9		ug/Kg	0.79	1.9	1.0
Endosulfan II	<1.9		ug/Kg	0.39	1.9	1.0
Endosulfan sulfate	<1.9		ug/Kg	0.18	1.9	1.0
Endrin	<1.9		ug/Kg	0.69	1.9	1.0
Endrin aldehyde	<1.9		ug/Kg	0.70	1.9	1.0
Endrin ketone	<1.9		ug/Kg	0.34	1.9	1.0
gamma-BHC (Lindane)	<1.9		ug/Kg	0.34	1.9	1.0
gamma-Chlordane	<1.9		ug/Kg	0.60	1.9	1.0
Heptachlor	<1.9		ug/Kg	0.26	1.9	1.0
Heptachlor epoxide	<1.9		ug/Kg	0.40	1.9	1.0
Methoxychlor	<9.3		ug/Kg	0.55	9.3	1.0
Toxaphene	<19		ug/Kg	3.4	19	1.0
Surrogate					Acceptance Limits	
DCB Decachlorobiphenyl	80		%		44 - 131	
Tetrachloro-m-xylene	67		%		44 - 120	
Method: WI-DRO			Date Analyzed:	05/19/2010 0108		
Prep Method: WI DRO PREP			Date Prepared:	05/14/2010 0700		
Diesel Range Organics [C10-C28]	140		mg/Kg	1.1	4.6	1.0
Surrogate					Acceptance Limits	
n-Nonane	8	X	%		44 - 148	
Method: WI-DRO			Date Analyzed:	05/21/2010 1304		
Prep Method: WI DRO PREP			Date Prepared:	05/19/2010 1419		
Diesel Range Organics [C10-C28]	30	H	mg/Kg	1.1	4.5	1.0

Mr. Jim Madison
TestAmerica Laboratories, Inc.
30 Community Drive
Suite 11
South Burlington, VT 05403

Job Number: 500-25500-1

Client Sample ID: TS10082
Lab Sample ID: 500-25500-1

Date Sampled: 05/11/2010 1000
Date Received: 05/13/2010 1030
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
n-Nonane	84	%		44 - 148	
Method: Moisture			Date Analyzed:	05/13/2010 1700	
Percent Moisture	13	%	0.10	0.10	1.0

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Lab Section	Qualifier	Description
GC Semi VOA		
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits

QUALITY CONTROL RESULTS

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 500-85662					
500-25500-1	TS10082	T	Solid	5035	
Analysis Batch:500-85780					
LCS 500-85780/3	Lab Control Sample	T	Solid	WI-GRO	
LCSD 500-85780/8	Lab Control Sample Duplicate	T	Solid	WI-GRO	
MB 500-85780/2	Method Blank	T	Solid	WI-GRO	
500-25500-1	TS10082	T	Solid	WI-GRO	500-85662

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 500-85674					
LCS 500-85674/2-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 500-85674/3-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 500-85674/1-A	Method Blank	T	Solid	WI DRO PREP	
500-25500-1	TS10082	T	Solid	WI DRO PREP	
Prep Batch: 500-85957					
LCS 500-85957/2-A	Lab Control Sample	T	Solid	3541	
LCSD 500-85957/3-A	Lab Control Sample Duplicate	T	Solid	3541	
MB 500-85957/1-A	Method Blank	T	Solid	3541	
500-25500-1	TS10082	T	Solid	3541	
Analysis Batch:500-86012					
LCS 500-85674/2-A	Lab Control Sample	T	Solid	WI-DRO	500-85674
LCSD 500-85674/3-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	500-85674
MB 500-85674/1-A	Method Blank	T	Solid	WI-DRO	500-85674
500-25500-1	TS10082	T	Solid	WI-DRO	500-85674
Prep Batch: 500-86037					
LCS 500-86037/2-A	Lab Control Sample	T	Solid	WI DRO PREP	
LCSD 500-86037/3-A	Lab Control Sample Duplicate	T	Solid	WI DRO PREP	
MB 500-86037/1-A	Method Blank	T	Solid	WI DRO PREP	
500-25500-1	TS10082	T	Solid	WI DRO PREP	
Analysis Batch:500-86052					
LCS 500-85957/2-A	Lab Control Sample	T	Solid	8081A	500-85957
LCSD 500-85957/3-A	Lab Control Sample Duplicate	T	Solid	8081A	500-85957
MB 500-85957/1-A	Method Blank	T	Solid	8081A	500-85957
500-25500-1	TS10082	T	Solid	8081A	500-85957
Analysis Batch:500-86250					
LCS 500-86037/2-A	Lab Control Sample	T	Solid	WI-DRO	500-86037
LCSD 500-86037/3-A	Lab Control Sample Duplicate	T	Solid	WI-DRO	500-86037
MB 500-86037/1-A	Method Blank	T	Solid	WI-DRO	500-86037
500-25500-1	TS10082	T	Solid	WI-DRO	500-86037

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:500-85651					
500-25500-1	TS10082	T	Solid	Moisture	

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB2 %Rec	TCX2 %Rec
500-25500-1	TS10082	80	67
MB 500-85957/1-A		82	57
LCS 500-85957/2-A		82	51
LCSD 500-85957/3-A		86	59

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	44-131
TCX = Tetrachloro-m-xylene	44-120

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Surrogate Recovery Report

WI-DRO Wisconsin - Diesel Range Organics (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	C9 %Rec
500-25500-1	TS10082	8X
500-25500-1	TS10082	84
MB 500-85674/1-A		84
MB 500-86037/1-A		93
LCS 500-85674/2-A		86
LCS 500-86037/2-A		91
LCSD 500-85674/3-A		82
LCSD 500-86037/3-A		87

Surrogate	Acceptance Limits
C9 = n-Nonane	44-148

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-85780

Method: WI-GRO
Preparation: N/A

Lab Sample ID: MB 500-85780/2
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/15/2010 1242
Date Prepared: N/A

Analysis Batch: 500-85780
Prep Batch: N/A
Units: ug/Kg

Instrument ID: INST11-12
Lab File ID: 05151011_010.d
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 5 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
WI Gasoline Range Organics (C5-C10)	<1500		430	1500

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-85780

Method: WI-GRO
Preparation: N/A

LCS Lab Sample ID: LCS 500-85780/3
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/15/2010 1318
Date Prepared: N/A

Analysis Batch: 500-85780
Prep Batch: N/A
Units: ug/Kg

Instrument ID: INST11-12
Lab File ID: 05151011_011.d
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 5 mL
Injection Volume:

LCSD Lab Sample ID: LCSD 500-85780/8
Client Matrix: Solid
Dilution: 50
Date Analyzed: 05/15/2010 1618
Date Prepared: N/A

Analysis Batch: 500-85780
Prep Batch: N/A
Units: ug/Kg

Instrument ID: INST11-12
Lab File ID: 05151011_016.d
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 5 mL
Injection Volume:

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
WI Gasoline Range Organics (C5-C10)	101	101	80 - 120	0	20		

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-85957

Method: 8081A
Preparation: 3541

Lab Sample ID: MB 500-85957/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 1508
Date Prepared: 05/18/2010 1649

Analysis Batch: 500-86052
Prep Batch: 500-85957
Units: ug/Kg

Instrument ID: INST15-16
Lab File ID: 05101016_173.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	<1.7		0.57	1.7
alpha-BHC	<1.7		0.57	1.7
alpha-Chlordane	<1.7		0.46	1.7
beta-BHC	<1.7		0.92	1.7
4,4'-DDD	<1.7		0.53	1.7
4,4'-DDE	<1.7		0.33	1.7
4,4'-DDT	<1.7		0.30	1.7
delta-BHC	<1.7		0.74	1.7
Dieldrin	<1.7		0.33	1.7
Endosulfan I	<1.7		0.71	1.7
Endosulfan II	<1.7		0.35	1.7
Endosulfan sulfate	<1.7		0.16	1.7
Endrin	<1.7		0.62	1.7
Endrin aldehyde	<1.7		0.63	1.7
Endrin ketone	<1.7		0.30	1.7
gamma-BHC (Lindane)	<1.7		0.30	1.7
gamma-Chlordane	<1.7		0.54	1.7
Heptachlor	<1.7		0.23	1.7
Heptachlor epoxide	<1.7		0.36	1.7
Methoxychlor	<8.3		0.49	8.3
Toxaphene	<17		3.0	17

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	44 - 131
Tetrachloro-m-xylene	57	44 - 120

Client: TestAmerica Laboratories, Inc. Job Number: 500-25500-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-85957

Method: 8081A
Preparation: 3541

LCS Lab Sample ID: LCS 500-85957/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 1527
Date Prepared: 05/18/2010 1649

Analysis Batch: 500-86052
Prep Batch: 500-85957
Units: ug/Kg

Instrument ID: INST15-16
Lab File ID: 05101016_174.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 500-85957/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 1547
Date Prepared: 05/18/2010 1649

Analysis Batch: 500-86052
Prep Batch: 500-85957
Units: ug/Kg

Instrument ID: INST15-16
Lab File ID: 05101016_175.d
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Aldrin	60	59	42 - 107	2	30		
alpha-BHC	58	65	35 - 110	11	30		
alpha-Chlordane	74	77	55 - 113	3	30		
beta-BHC	76	79	37 - 136	4	30		
4,4'-DDD	79	85	56 - 131	8	30		
4,4'-DDE	77	80	55 - 117	4	30		
4,4'-DDT	84	89	55 - 124	6	30		
delta-BHC	77	79	46 - 141	3	30		
Dieldrin	76	78	58 - 117	3	30		
Endosulfan I	63	64	41 - 100	2	30		
Endosulfan II	70	75	48 - 106	7	30		
Endosulfan sulfate	75	76	60 - 124	1	30		
Endrin	91	95	59 - 131	4	30		
Endrin aldehyde	69	71	50 - 101	2	30		
Endrin ketone	80	86	54 - 122	7	30		
gamma-BHC (Lindane)	62	69	44 - 111	11	30		
gamma-Chlordane	73	76	55 - 112	4	30		
Heptachlor	63	69	40 - 115	9	30		
Heptachlor epoxide	72	73	53 - 113	2	30		
Methoxychlor	83	83	53 - 135	0	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	86	44 - 131
Tetrachloro-m-xylene	51	59	44 - 120

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-85674

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID: MB 500-85674/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/18/2010 2356
Date Prepared: 05/14/2010 0700

Analysis Batch: 500-86012
Prep Batch: 500-85674
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05181009_010.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	<4.0		0.96	4.0

Surrogate	% Rec	Acceptance Limits
n-Nonane	84	44 - 148

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-85674

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID: LCS 500-85674/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 0032
Date Prepared: 05/14/2010 0700

Analysis Batch: 500-86012
Prep Batch: 500-85674
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05181009_011.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

LCSD Lab Sample ID: LCSD 500-85674/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/19/2010 0858
Date Prepared: 05/14/2010 0700

Analysis Batch: 500-86012
Prep Batch: 500-85674
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05181009_014.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	87	86	70 - 120	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
n-Nonane	86	82	44 - 148

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Method Blank - Batch: 500-86037

Method: WI-DRO
Preparation: WI DRO PREP

Lab Sample ID: MB 500-86037/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/21/2010 1116
Date Prepared: 05/19/2010 1419

Analysis Batch: 500-86250
Prep Batch: 500-86037
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05211009_003.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	<4.0		0.96	4.0

Surrogate	% Rec	Acceptance Limits
n-Nonane	93	44 - 148

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-86037

Method: WI-DRO
Preparation: WI DRO PREP

LCS Lab Sample ID: LCS 500-86037/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/21/2010 1152
Date Prepared: 05/19/2010 1419

Analysis Batch: 500-86250
Prep Batch: 500-86037
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05211009_004.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

LCSD Lab Sample ID: LCSD 500-86037/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 05/21/2010 1340
Date Prepared: 05/19/2010 1419

Analysis Batch: 500-86250
Prep Batch: 500-86037
Units: mg/Kg

Instrument ID: INST09
Lab File ID: 05211009_007.d
Initial Weight/Volume: 25.000 g
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	95	83	70 - 120	13	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
n-Nonane	91	87	44 - 148

500-25500

Intercompany Chain of Custody

SDG/Job Reference	KAL545
PO Reference	KAL545
Project ID	BBLKAL
Project Name	Kalamazoo
Due Date	05/19/10

TestAmerica Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403

Tel: 802 660-1990 Fax: 802 660-1919

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Sample ID	TAL Burlington Sample ID	Matrix	Date Sampled	Time Sampled	WI GRO	WI DRO	Pesticides 8081A
TS10082	829810	SOIL	05/11/10	1000	X	X	X

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[illegible]	05/12/10	1700	[illegible]	5/13/10	1030

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 500-25500-1

Login Number: 25500
Creator: Lunt, Jeff T
List Number: 1

List Source: TestAmerica Chicago

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	4.1
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
South Burlington, VT

Sample Data Summary Package

KAL547

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

June 14, 2010

Mr. Dennis Capria
ARCADIS U.S.,INC
6723 Towpath Road
Syracuse, NY 13214

Re: Laboratory Project No. 29000
Case: 29000; SDG: KAL547

Dear Mr. Capria:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on May 28th, 2010. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/28/10 ETR No: 137493		
831313	TS10083	05/25/10	SOIL
831314	TS10084	05/25/10	SOIL
831315	TS10085	05/25/10	SOIL
831316	TS10086	05/25/10	SOIL
831317	TS10087	05/25/10	SOIL
831318	TS10088	05/25/10	SOIL
831319	TS10089	05/25/10	SOIL
831319DP	TS10089REP	05/25/10	SOIL
831319MS	TS10089MS	05/25/10	SOIL
831319MD	TS10089MSD	05/25/10	SOIL
831320	TS10090	05/25/10	SOIL
831321	TS10091	05/25/10	SOIL
831322	TS10092	05/25/10	SOIL
831323	TS10093	05/25/10	SOIL
831324	TS10094	05/25/10	SOIL
831325	TS10095	05/25/10	SOIL
831326	TS10096	05/25/10	SOIL
831327	TS10097	05/25/10	SOIL
831328	TS10098	05/25/10	SOIL
831329	TS10099	05/25/10	SOIL
831330	TS10100	05/25/10	SOIL
831331	TS10101	05/25/10	SOIL

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

No exceptions to quality control criteria were noted during the analyses of the samples in this delivery group.

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Jim Madison
Project Manager

TestAmerica Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: SW-846: The relative percent difference for detected concentrations between two GC columns is greater than 40%. Unless otherwise specified the higher of the two values is reported on the Form I.

CLP SOW: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

ARCADIS

CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID:

Send Results To:

Contact & Company Name:	Telephone:
Eric Hritsuk	312-332-4937
Address:	Fax:
30 W Monroe St	312-332-4434
City State Zip	E-mail Address:
Chicago IL, 60603	[illegible]
Project Name/Location (City, State):	Project #:
Plainwell Dam No. 2 Area TCRA Mi	B0064536.0000.00002
Sampler's Printed Name:	Sampler's Signature:
Michael Kohagen	

Preservative	E												
Filtered (✓)													
# of Containers	1												
Container Information	1												

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		PCB's								REMARKS
TS10083	5/25/10	1500	x		So		X								
TS10084	5/25/10	1510		X	So		X								
TS10085	5/25/10	1513		X	So		X								
TS10086	5/25/10	1517		X	So		X								
TS10087	5/25/10	1520		X	So		X								
TS10088	5/25/10	------		X	So		X								
TS10089	5/25/10	1525		X	So		X								MS/MSD
TS10090	5/25/10	1529		X	So		X								
TS10091	5/25/10	1533		X	So		X								
TS10092	5/25/10	1537		X	So		X								
TS10093	5/25/10	1541		X	So		X								
TS10094	5/25/10	1547		X	So		X								
TS10095	5/25/10	1550		X	So		X								
TS10096	5/25/10	1552		X	So		X								
TS10097	5/25/10	1556		X	So		X								
TS10098	5/25/10	1601		X	So		X								
TS10099	5/25/10	1605		X	So		X								
TS10100	5/25/10	1609		X	So		X								
TS10101	5/25/10	1617		X	So		X								

KEYS

Preservation Key :

A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:

1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:

SE = Sediment A = Air SL = Sludge
SO = Soil NL = NAPL / Oil SW = Surface

Special Instructions/Comments:

☐ **Special QA/QC Instructions (✓)**

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: Test America	Cooler Custody Seal	Printed Name: Michael Kohagen	Printed Name:	Printed Name: Chris Kolb
☑ Cooler packed with ice (✓)	X Intact ☐ Not Intact	Signature:	Signature:	Signature:
Specify Turnaround Requirements: Standard	Sample Receipt: CK	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #:	Condition/Cooler Temp: 1.4	Date/Time:	Date/Time:	Date/Time: 5/28/10 1010

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10083

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831313

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.8	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10084

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831314

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.7	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10085

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831315

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.5	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10086

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831316

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.7	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10087

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831317

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.6	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10088

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831318

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 97.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	97.8	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10089

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831319

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.2	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Duplicate Sample Report Summary

Client Sample No.

TS10089REP

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831319DP

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sample Result Conc.	Sample Result Qual.	Duplicate Sample Result Conc.	Duplicate Sample Result Qual.	RPD[1]
IN623	Solids, Percent	06/01/10		%	99.2		98.7		0.5

1 - Control Limit for RPD is +/- 20%, unless otherwise specified.

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10090

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831320

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.4	

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WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10091

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831321

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.4

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.4	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10092

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831322

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.6

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.6	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10093

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831323

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.7	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10094

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831324

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.1	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10095

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831325

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.2	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10096

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831326

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.3

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.3	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10097

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831327

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.1	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10098

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831328

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.9	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10099

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831329

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.2	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10100

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831330

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 98.2

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	98.2	

Printed on: 06/02/10 12:15 PM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

TS10101

Lab Name: TestAmerica Burlington

Contract:

SDG No.: KAL547

Lab Code: TALVT

Case No.: 29000

Lab Sample ID: 831331

Matrix: SOIL

Client: BBLKAL

Date Received: 05/28/10

% Solids: 99.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/01/10		%	1	0.10	99.0	

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Sample Data Summary – 8082 PCBS

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10083

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831313

Sample wt/vol: 29.7 (g/mL) G Lab File ID: 08JUN101320-R061

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10084

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831314

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R071

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10085

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831315

Sample wt/vol: 29.3 (g/mL) G Lab File ID: 08JUN101320-R081

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10086

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831316

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 08JUN101320-R091

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10087

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831317

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 08JUN101320-R101

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10088

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831318

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R111

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10089

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831319

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R121

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

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BBLKAL SAMPLE NO.

TS10090

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831320

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R161

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

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BBLKAL SAMPLE NO.

TS10091

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831321

Sample wt/vol: 29.2 (g/mL) G Lab File ID: 08JUN101320-R171

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	17	U
11104-28-2------	Aroclor-1221	17	U
11141-16-5------	Aroclor-1232	17	U
53469-21-9------	Aroclor-1242	17	U
12672-29-6------	Aroclor-1248	17	U
11097-69-1------	Aroclor-1254	17	U
11096-82-5------	Aroclor-1260	17	U

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BBLKAL SAMPLE NO.

TS10092

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831322

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 08JUN101320-R181

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
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BBLKAL SAMPLE NO.

TS10093

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831323

Sample wt/vol: 29.3 (g/mL) G Lab File ID: 08JUN101320-R191

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10094

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831324

Sample wt/vol: 29.8 (g/mL) G Lab File ID: 08JUN101320-R201

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10095

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831325

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 08JUN101320-R211

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10096

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831326

Sample wt/vol: 29.9 (g/mL) G Lab File ID: 08JUN101320-R221

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10097

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831327

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 08JUN101320-R231

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10098

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831328

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R241

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10099

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831329

Sample wt/vol: 29.4 (g/mL) G Lab File ID: 08JUN101320-R261

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10100

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831330

Sample wt/vol: 29.8 (g/mL) G Lab File ID: 08JUN101320-R271

% Moisture: 2 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10101

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831331

Sample wt/vol: 29.1 (g/mL) G Lab File ID: 08JUN101320-R281

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MBLK052810C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: MBLK052810C

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 08JUN101320-R041

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17	U
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	17	U

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10089MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831319MS

Sample wt/vol: 29.3 (g/mL) G Lab File ID: 08JUN101320-R131

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	160	
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	86	U
11096-82-5	Aroclor-1260	170	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

BBLKAL SAMPLE NO.

TS10089MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: 831319MD

Sample wt/vol: 29.5 (g/mL) G Lab File ID: 08JUN101320-R151

% Moisture: 1 decanted: (Y/N) N Date Received: 05/28/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	180	
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	86	U
53469-21-9	Aroclor-1242	86	U
12672-29-6	Aroclor-1248	86	U
11097-69-1	Aroclor-1254	86	U
11096-82-5	Aroclor-1260	190	

FORM 1
OTHER ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

C052810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix: (soil/water) SOIL Lab Sample ID: C052810LCS

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 08JUN101320-R051

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/28/10

Concentrated Extract Volume: 10(mL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	150	
11104-28-2	Aroclor-1221	17	U
11141-16-5	Aroclor-1232	17	U
53469-21-9	Aroclor-1242	17	U
12672-29-6	Aroclor-1248	17	U
11097-69-1	Aroclor-1254	17	U
11096-82-5	Aroclor-1260	160	

FORM 2
SOIL OTHER SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column(1): RTX-5 ID: 0.25 (mm) GC Column(2): RTX-35 ID: 0.25 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MBLK052810C	98	98	98	90			0
02	C052810LCS	82	82	90	90			0
03	TS10083	95	95	95	88			0
04	TS10084	94	86	94	79			0
05	TS10085	93	86	86	79			0
06	TS10086	88	80	80	80			0
07	TS10087	93	86	86	86			0
08	TS10088	101	86	86	86			0
09	TS10089	95	87	87	80			0
10	TS10089MS	80	87	80	80			0
11	TS10089MSD	88	95	88	95			0
12	TS10090	101	94	94	86			0
13	TS10091	100	93	86	86			0
14	TS10092	104	89	89	82			0
15	TS10093	102	94	94	87			0
16	TS10094	103	96	96	81			0
17	TS10095	97	89	89	82			0
18	TS10096	96	89	89	81			0
19	TS10097	101	86	94	86			0
20	TS10098	95	87	95	87			0
21	TS10099	101	86	94	86			0
22	TS10100	102	88	88	80			0
23	TS10101	115	101	101	94			0
24								
25								
26								
27								
28								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (30-130)
S2 (DCB) = Decachlorobiphenyl (45-125)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
SOIL OTHER MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix Spike - BBLKAL Sample No.: TS10089

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	170	0.0	160	94	55-120
Aroclor-1260	170	0.0	170	100	55-125

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	170	180	106	12	30	55-120
Aroclor-1260	170	190	112	11	30	55-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM 3
SOIL OTHER LAB CONTROL SAMPLE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Matrix Spike - Sample No.: C052810LCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	170		150	88	55-120
Aroclor-1260	170		160	94	55-125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM 4
OTHER METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MBLK052810C

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: MBLK052810C Lab File ID: 08JUN101320-R041

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 05/28/10

Date Analyzed (1): 06/08/10 Date Analyzed (2): 06/08/10

Time Analyzed (1): 1437 Time Analyzed (2): 1437

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	C052810LCS	C052810LCS	06/08/10	06/08/10
02	TS10083	831313	06/08/10	06/08/10
03	TS10084	831314	06/08/10	06/08/10
04	TS10085	831315	06/08/10	06/08/10
05	TS10086	831316	06/08/10	06/08/10
06	TS10087	831317	06/08/10	06/08/10
07	TS10088	831318	06/08/10	06/08/10
08	TS10089	831319	06/08/10	06/08/10
09	TS10089MS	831319MS	06/08/10	06/08/10
10	TS10089MSD	831319MD	06/08/10	06/08/10
11	TS10090	831320	06/08/10	06/08/10
12	TS10091	831321	06/08/10	06/08/10
13	TS10092	831322	06/08/10	06/08/10
14	TS10093	831323	06/08/10	06/08/10
15	TS10094	831324	06/08/10	06/08/10
16	TS10095	831325	06/08/10	06/08/10
17	TS10096	831326	06/08/10	06/08/10
18	TS10097	831327	06/08/10	06/08/10
19	TS10098	831328	06/08/10	06/08/10
20	TS10099	831329	06/08/10	06/08/10
21	TS10100	831330	06/08/10	06/08/10
22	TS10101	831331	06/09/10	06/09/10
23				
24				

COMMENTS:

FORM IV OTHER

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	119.520	109.080	107.655	102.992	103.305
(2)	122.440	115.440	113.295	109.265	108.444
(3)	142.540	134.410	135.350	128.870	130.750
(4)	98.140	92.410	91.265	86.198	84.685
(5)	106.760	99.900	97.995	92.605	93.778
Aroclor-1221			40.050		
(2)			29.575		
(3)			99.755		
(4)			19.470		
(5)			15.345		
Aroclor-1232			84.915		
(2)			48.640		
(3)			51.685		
(4)			110.110		
(5)			60.375		
Aroclor-1242			89.800		
(2)			92.230		
(3)			206.115		
(4)			108.095		
(5)			75.520		
Aroclor-1248			49.440		
(2)			41.610		
(3)			122.150		
(4)			54.210		
(5)			58.370		
Aroclor-1254			70.015		
(2)			61.525		
(3)			131.355		
(4)			44.250		
(5)			159.155		
Aroclor-1260	135.980	128.000	123.580	118.005	120.710
(2)	142.020	131.870	130.870	126.958	126.895
(3)	293.660	292.160	294.380	291.912	302.559
(4)	139.400	133.190	130.480	129.358	129.981
(5)	91.780	87.420	85.775	81.878	80.695
Aroclor-1262			77.170		
(2)			151.760		
(3)			67.645		
(4)			328.565		
(5)			98.370		
Aroclor-1268			415.615		
(2)			408.950		
(3)			454.560		
(4)			110.390		

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/1(

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
(5)			2013.935		
Tetrachloro-m-xylene	3773.800	3655.300	3630.850	3715.675	3899.875
Decachlorobiphenyl	5330.200	5212.500	5329.100	5280.375	5525.362

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/1(

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	108.510500	6.179	20.000	
(2)	AVRG	113.776750	4.949	20.000	
(3)	AVRG	134.384000	3.921	20.000	
(4)	AVRG	90.5395000	5.920	20.000	
(5)	AVRG	98.2075000	5.739	20.000	
Aroclor-1221	AVRG	40.0500000	0.000	20.000	<-
(2)	AVRG	29.5750000	0.000	20.000	<-
(3)	AVRG	99.7550000	0.000	20.000	<-
(4)	AVRG	19.4700000	0.000	20.000	<-
(5)	AVRG	15.3450000	0.000	20.000	<-
Aroclor-1232	AVRG	84.9150000	0.000	20.000	<-
(2)	AVRG	48.6400000	0.000	20.000	<-
(3)	AVRG	51.6850000	0.000	20.000	<-
(4)	AVRG	110.110000	0.000	20.000	<-
(5)	AVRG	60.3750000	0.000	20.000	<-
Aroclor-1242	AVRG	89.8000000	0.000	20.000	<-
(2)	AVRG	92.2300000	0.000	20.000	<-
(3)	AVRG	206.115000	0.000	20.000	<-
(4)	AVRG	108.095000	0.000	20.000	<-
(5)	AVRG	75.5200000	0.000	20.000	<-
Aroclor-1248	AVRG	49.4400000	0.000	20.000	<-
(2)	AVRG	41.6100000	0.000	20.000	<-
(3)	AVRG	122.150000	0.000	20.000	<-
(4)	AVRG	54.2100000	0.000	20.000	<-
(5)	AVRG	58.3700000	0.000	20.000	<-
Aroclor-1254	AVRG	70.0150000	0.000	20.000	<-
(2)	AVRG	61.5250000	0.000	20.000	<-
(3)	AVRG	131.355000	0.000	20.000	<-
(4)	AVRG	44.2500000	0.000	20.000	<-
(5)	AVRG	159.155000	0.000	20.000	<-
Aroclor-1260	AVRG	125.255000	5.625	20.000	
(2)	AVRG	131.722500	4.692	20.000	
(3)	AVRG	294.934250	1.486	20.000	
(4)	AVRG	132.481750	3.121	20.000	
(5)	AVRG	85.5095000	5.211	20.000	
Aroclor-1262	AVRG	77.1700000	0.000	20.000	<-
(2)	AVRG	151.760000	0.000	20.000	<-
(3)	AVRG	67.6450000	0.000	20.000	<-
(4)	AVRG	328.565000	0.000	20.000	<-
(5)	AVRG	98.3700000	0.000	20.000	<-
Aroclor-1268	AVRG	415.615000	0.000	20.000	<-
(2)	AVRG	408.950000	0.000	20.000	<-
(3)	AVRG	454.560000	0.000	20.000	<-
(4)	AVRG	110.390000	0.000	20.000	<-

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-5 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
(5)	AVRG	2013.93500	0.000	20.000	<-
Tetrachloro-m-xylene	AVRG	3735.10000	2.879	20.000	
Decachlorobiphenyl	AVRG	5335.50750	2.183	20.000	

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
Aroclor-1016	132.360	120.950	113.095	99.790	93.068
(2)	213.180	189.560	175.480	158.832	146.760
(3)	318.440	283.440	273.285	247.118	239.248
(4)	158.480	140.540	133.735	118.188	110.946
(5)	128.640	118.540	113.115	99.015	92.694
Aroclor-1221			68.945		
(2)			49.820		
(3)			139.780		
(4)			26.650		
(5)			32.315		
Aroclor-1232			126.135		
(2)			91.800		
(3)			129.035		
(4)			63.620		
(5)			51.895		
Aroclor-1242			148.275		
(2)			69.405		
(3)			229.905		
(4)			110.865		
(5)			92.335		
Aroclor-1248			77.500		
(2)			142.225		
(3)			56.970		
(4)			47.250		
(5)			56.735		
Aroclor-1254			87.800		
(2)			64.895		
(3)			74.705		
(4)			52.880		
(5)			179.385		
Aroclor-1260	211.060	186.150	170.510	154.985	146.346
(2)	617.840	575.670	531.275	527.132	539.788
(3)	225.540	210.830	195.265	175.820	168.861
(4)	108.040	98.790	93.665	83.335	78.480
(5)	247.300	220.470	203.920	192.352	183.846
Aroclor-1262			153.265		
(2)			76.990		
(3)			99.650		
(4)			116.035		
(5)			600.240		
Aroclor-1268			805.825		
(2)			669.725		
(3)			662.570		
(4)			189.120		

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

LAB FILE ID: RF50: 07JUN101725-RF100: 07JUN101725RF200: 07JUN101725
RF400: 07JUN101725RF800: 07JUN101725

COMPOUND	RF50	RF100	RF200	RF400	RF800
(5)			2527.325		
Tetrachloro-m-xylene	6348.000	5768.500	5587.350	5477.050	5647.025
Decachlorobiphenyl	7186.000	6750.200	6523.900	6300.600	6591.775

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/10

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	AVRG	111.852500	14.159	20.000	
(2)	AVRG	176.762500	14.734	20.000	
(3)	AVRG	272.306000	11.585	20.000	
(4)	AVRG	132.377750	14.185	20.000	
(5)	AVRG	110.400750	13.200	20.000	
Aroclor-1221	AVRG	68.9450000	0.000	20.000	<-
(2)	AVRG	49.8200000	0.000	20.000	<-
(3)	AVRG	139.780000	0.000	20.000	<-
(4)	AVRG	26.6500000	0.000	20.000	<-
(5)	AVRG	32.3150000	0.000	20.000	<-
Aroclor-1232	AVRG	126.135000	0.000	20.000	<-
(2)	AVRG	91.8000000	0.000	20.000	<-
(3)	AVRG	129.035000	0.000	20.000	<-
(4)	AVRG	63.6200000	0.000	20.000	<-
(5)	AVRG	51.8950000	0.000	20.000	<-
Aroclor-1242	AVRG	148.275000	0.000	20.000	<-
(2)	AVRG	69.4050000	0.000	20.000	<-
(3)	AVRG	229.905000	0.000	20.000	<-
(4)	AVRG	110.865000	0.000	20.000	<-
(5)	AVRG	92.3350000	0.000	20.000	<-
Aroclor-1248	AVRG	77.5000000	0.000	20.000	<-
(2)	AVRG	142.225000	0.000	20.000	<-
(3)	AVRG	56.9700000	0.000	20.000	<-
(4)	AVRG	47.2500000	0.000	20.000	<-
(5)	AVRG	56.7350000	0.000	20.000	<-
Aroclor-1254	AVRG	87.8000000	0.000	20.000	<-
(2)	AVRG	64.8950000	0.000	20.000	<-
(3)	AVRG	74.7050000	0.000	20.000	<-
(4)	AVRG	52.8800000	0.000	20.000	<-
(5)	AVRG	179.385000	0.000	20.000	<-
Aroclor-1260	AVRG	173.810250	14.835	20.000	
(2)	AVRG	558.341000	6.873	20.000	
(3)	AVRG	195.263250	12.103	20.000	
(4)	AVRG	92.4620000	12.830	20.000	
(5)	AVRG	209.577750	12.006	20.000	
Aroclor-1262	AVRG	153.265000	0.000	20.000	<-
(2)	AVRG	76.9900000	0.000	20.000	<-
(3)	AVRG	99.6500000	0.000	20.000	<-
(4)	AVRG	116.035000	0.000	20.000	<-
(5)	AVRG	600.240000	0.000	20.000	<-
Aroclor-1268	AVRG	805.825000	0.000	20.000	<-
(2)	AVRG	669.725000	0.000	20.000	<-
(3)	AVRG	662.570000	0.000	20.000	<-
(4)	AVRG	189.120000	0.000	20.000	<-

FORM 6
OTHER INITIAL CALIBRATION DATA

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date(s): 06/07/10 06/07/1C

Column: RTX-35 ID: 0.25 (mm) Calibration Time(s): 1859 2326

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2	MAX %RSD OR R^2	
(5)	AVRG	2527.32500	0.000	20.000	<-
Tetrachloro-m-xylene	AVRG	5765.58500	5.934	20.000	
Decachlorobiphenyl	AVRG	6670.49500	4.953	20.000	

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/08/10 Time: 1413

Lab File ID: 08JUN101320-R0 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	103.985		4.2	15.0
(2)	113.777	106.120		6.7	15.0
(3)	134.384	123.500		8.1	15.0
(4)	90.540	85.535		5.5	15.0
(5)	98.208	89.200		9.2	15.0
Aroclor-1260	125.255	116.060		7.3	15.0
(2)	131.723	121.595		7.7	15.0
(3)	294.934	267.175		9.4	15.0
(4)	132.482	118.005		10.9	15.0
(5)	85.510	78.650		8.0	15.0
Tetrachloro-m-xylene	3735.100	3400.550		9.0	15.0
Decachlorobiphenyl	5335.507	4786.450		10.3	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/08/10 Time: 1840

Lab File ID: 08JUN101320-R1 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	104.410		3.8	15.0
(2)	113.777	108.065		5.0	15.0
(3)	134.384	125.305		6.8	15.0
(4)	90.540	86.585		4.4	15.0
(5)	98.208	93.520		4.8	15.0
Aroclor-1260	125.255	122.955		1.8	15.0
(2)	131.723	130.625		0.8	15.0
(3)	294.934	288.835		2.1	15.0
(4)	132.482	136.125		2.7	15.0
(5)	85.510	84.315		1.4	15.0
Tetrachloro-m-xylene	3735.100	3664.200		1.9	15.0
Decachlorobiphenyl	5335.507	5079.100		4.8	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/08/10 Time: 2306

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	105.775		2.5	15.0
(2)	113.777	109.005		4.2	15.0
(3)	134.384	127.165		5.4	15.0
(4)	90.540	86.970		3.9	15.0
(5)	98.208	93.220		5.1	15.0
Aroclor-1260	125.255	129.590		3.5	15.0
(2)	131.723	135.545		2.9	15.0
(3)	294.934	304.835		3.4	15.0
(4)	132.482	141.195		6.6	15.0
(5)	85.510	87.445		2.3	15.0
Tetrachloro-m-xylene	3735.100	3815.750		2.2	15.0
Decachlorobiphenyl	5335.507	5246.450		1.7	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_1 Calibration Date: 06/09/10 Time: 0043

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-5 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	108.510	105.245		3.0	15.0
(2)	113.777	110.330		3.0	15.0
(3)	134.384	128.645		4.3	15.0
(4)	90.540	89.800		0.8	15.0
(5)	98.208	97.645		0.6	15.0
Aroclor-1260	125.255	130.325		4.0	15.0
(2)	131.723	141.520		7.4	15.0
(3)	294.934	317.150		7.5	15.0
(4)	132.482	140.170		5.8	15.0
(5)	85.510	88.740		3.8	15.0
Tetrachloro-m-xylene	3735.100	3786.850		1.4	15.0
Decachlorobiphenyl	5335.507	5476.150		2.6	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/08/10 Time: 1413

Lab File ID: 08JUN101320-R0 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	106.290		5.0	15.0
(2)	176.762	166.755		5.7	15.0
(3)	272.306	252.515		7.3	15.0
(4)	132.378	125.325		5.3	15.0
(5)	110.401	103.320		6.4	15.0
Aroclor-1260	173.810	158.145		9.0	15.0
(2)	558.341	512.060		8.3	15.0
(3)	195.263	175.960		9.9	15.0
(4)	92.462	86.310		6.6	15.0
(5)	209.578	188.995		9.8	15.0
Tetrachloro-m-xylene	5765.585	5407.650		6.2	15.0
Decachlorobiphenyl	6670.495	5850.950		12.3	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/08/10 Time: 1840

Lab File ID: 08JUN101320-R1 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	105.320		5.8	15.0
(2)	176.762	163.680		7.4	15.0
(3)	272.306	254.535		6.5	15.0
(4)	132.378	124.650		5.8	15.0
(5)	110.401	103.320		6.4	15.0
Aroclor-1260	173.810	168.605		3.0	15.0
(2)	558.341	536.085		4.0	15.0
(3)	195.263	194.065		0.6	15.0
(4)	92.462	93.230		0.8	15.0
(5)	209.578	204.590		2.4	15.0
Tetrachloro-m-xylene	5765.585	5424.300		5.9	15.0
Decachlorobiphenyl	6670.495	6275.650		5.9	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/08/10 Time: 2306

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	106.210		5.0	15.0
(2)	176.762	163.525		7.5	15.0
(3)	272.306	253.295		7.0	15.0
(4)	132.378	125.890		4.9	15.0
(5)	110.401	102.540		7.1	15.0
Aroclor-1260	173.810	172.945		0.5	15.0
(2)	558.341	563.030		0.8	15.0
(3)	195.263	200.190		2.5	15.0
(4)	92.462	93.655		1.3	15.0
(5)	209.578	205.025		2.2	15.0
Tetrachloro-m-xylene	5765.585	5562.150		3.5	15.0
Decachlorobiphenyl	6670.495	6205.650		7.0	15.0

FORM 7
OTHER CALIBRATION VERIFICATION SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Instrument ID: 7227_2 Calibration Date: 06/09/10 Time: 0043

Lab File ID: 08JUN101320-R2 Init. Calib. Date(s): 06/07/10 06/07/10

Init. Calib. Times: 2149 2326

GC Column: RTX-35 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF200	MIN RRF	%D	MAX %D
Aroclor-1016	111.853	108.570		2.9	15.0
(2)	176.762	166.520		5.8	15.0
(3)	272.306	259.690		4.6	15.0
(4)	132.378	128.060		3.3	15.0
(5)	110.401	107.015		3.1	15.0
Aroclor-1260	173.810	177.970		2.4	15.0
(2)	558.341	579.045		3.7	15.0
(3)	195.263	196.795		0.8	15.0
(4)	92.462	96.145		4.0	15.0
(5)	209.578	211.005		0.7	15.0
Tetrachloro-m-xylene	5765.585	5436.550		5.7	15.0
Decachlorobiphenyl	6670.495	6377.700		4.4	15.0

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.14 DCB: 13.17

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	06/07/10	1859	3.15	13.18
02	AR1232 200	AR1232 200	06/07/10	1924	3.15	13.18
03	AR1242 200	AR1242 200	06/07/10	1948	3.15	13.18
04	AR1248 200	AR1248 200	06/07/10	2012	3.15	13.18
05	AR1254 200	AR1254 200	06/07/10	2036	3.15	13.18
06	AR1262 200	AR1262 200	06/07/10	2101	3.15	13.19
07	AR1268 200	AR1268 200	06/07/10	2125	3.15	13.18
08	AR1660 50	AR1660 50	06/07/10	2149	3.15	13.18
09	AR1660 100	AR1660 100	06/07/10	2213	3.13	13.17
10	AR1660 200	AR1660 200	06/07/10	2237	3.14	13.17
11	AR1660 400	AR1660 400	06/07/10	2302	3.14	13.17
12	AR1660 800	AR1660 800	06/07/10	2326	3.14	13.18
13	AR1660 ICV	AR1660 ICV	06/08/10	0014	3.14	13.18
14	AR1660 200PP	AR1660 200PP	06/08/10	1413	3.14	13.17
15	MBLK052810C	MBLK052810C	06/08/10	1437	3.14	13.17
16	C052810LCS	C052810LCS	06/08/10	1502	3.14	13.17
17	TS10083	831313	06/08/10	1526	3.14	13.17
18	TS10084	831314	06/08/10	1550	3.14	13.17
19	TS10085	831315	06/08/10	1614	3.15	13.18
20	TS10086	831316	06/08/10	1639	3.15	13.18
21	TS10087	831317	06/08/10	1703	3.15	13.18
22	TS10088	831318	06/08/10	1727	3.15	13.18
23	TS10089	831319	06/08/10	1751	3.13	13.16
24	TS10089MS	831319MS	06/08/10	1816	3.13	13.16
25	AR1660 200PP	AR1660 200PP	06/08/10	1840	3.14	13.17
26	TS10089MSD	831319MD	06/08/10	1904	3.14	13.17
27	TS10090	831320	06/08/10	1928	3.13	13.16
28	TS10091	831321	06/08/10	1952	3.14	13.17
29	TS10092	831322	06/08/10	2016	3.14	13.17
30	TS10093	831323	06/08/10	2041	3.14	13.17
31	TS10094	831324	06/08/10	2105	3.14	13.17
32	TS10095	831325	06/08/10	2129	3.13	13.16

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.14 DCB: 13.17

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	TS10096	831326	06/08/10	2153	3.14	13.17
02	TS10097	831327	06/08/10	2218	3.14	13.17
03	TS10098	831328	06/08/10	2242	3.14	13.17
04	AR1660 200PP	AR1660 200PP	06/08/10	2306	3.15	13.18
05	TS10099	831329	06/08/10	2330	3.14	13.17
06	TS10100	831330	06/08/10	2354	3.15	13.18
07	TS10101	831331	06/09/10	0019	3.13	13.16
08	AR1660 200PP	AR1660 200PP	06/09/10	0043	3.13	13.16
09						
10						
11						
12						
13						
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31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.76 DCB: 14.45

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR1221 200	AR1221 200	06/07/10	1859	3.78	14.47
02	AR1232 200	AR1232 200	06/07/10	1924	3.77	14.46
03	AR1242 200	AR1242 200	06/07/10	1948	3.78	14.47
04	AR1248 200	AR1248 200	06/07/10	2012	3.79	14.47
05	AR1254 200	AR1254 200	06/07/10	2036	3.78	14.47
06	AR1262 200	AR1262 200	06/07/10	2101	3.78	14.47
07	AR1268 200	AR1268 200	06/07/10	2125	3.79	14.48
08	AR1660 50	AR1660 50	06/07/10	2149	3.79	14.47
09	AR1660 100	AR1660 100	06/07/10	2213	3.77	14.46
10	AR1660 200	AR1660 200	06/07/10	2237	3.76	14.45
11	AR1660 400	AR1660 400	06/07/10	2302	3.77	14.46
12	AR1660 800	AR1660 800	06/07/10	2326	3.77	14.46
13	AR1660 ICV	AR1660 ICV	06/08/10	0014	3.77	14.46
14	AR1660 200PP	AR1660 200PP	06/08/10	1413	3.77	14.46
15	MBLK052810C	MBLK052810C	06/08/10	1437	3.78	14.47
16	C052810LCS	C052810LCS	06/08/10	1502	3.78	14.47
17	TS10083	831313	06/08/10	1526	3.78	14.47
18	TS10084	831314	06/08/10	1550	3.79	14.47
19	TS10085	831315	06/08/10	1614	3.78	14.46
20	TS10086	831316	06/08/10	1639	3.78	14.46
21	TS10087	831317	06/08/10	1703	3.77	14.46
22	TS10088	831318	06/08/10	1727	3.78	14.46
23	TS10089	831319	06/08/10	1751	3.77	14.46
24	TS10089MS	831319MS	06/08/10	1816	3.77	14.45
25	AR1660 200PP	AR1660 200PP	06/08/10	1840	3.77	14.46
26	TS10089MSD	831319MD	06/08/10	1904	3.77	14.46
27	TS10090	831320	06/08/10	1928	3.78	14.46
28	TS10091	831321	06/08/10	1952	3.77	14.46
29	TS10092	831322	06/08/10	2016	3.78	14.46
30	TS10093	831323	06/08/10	2041	3.77	14.46
31	TS10094	831324	06/08/10	2105	3.78	14.47
32	TS10095	831325	06/08/10	2129	3.78	14.47

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
OTHER ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 06/07/10 06/07/10

Instrument ID: 7227_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.76 DCB: 14.45

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	TS10096	831326	06/08/10	2153	3.78	14.47
02	TS10097	831327	06/08/10	2218	3.78	14.46
03	TS10098	831328	06/08/10	2242	3.77	14.46
04	AR1660 200PP	AR1660 200PP	06/08/10	2306	3.78	14.46
05	TS10099	831329	06/08/10	2330	3.78	14.47
06	TS10100	831330	06/08/10	2354	3.78	14.46
07	TS10101	831331	06/09/10	0019	3.76	14.45
08	AR1660 200PP	AR1660 200PP	06/09/10	0043	3.77	14.45
09						
10						
11						
12						
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27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10089MS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: 831319MS Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column(1): RTX-5 ID: 0.25(mm) GC Column(2): RTX-35 ID: 0.25(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	3.96	3.92	4.02	160		
Aroclor-1016	2	4.15	4.11	4.21	160		
	3	4.57	4.52	4.62	150		
COLUMN 1	4	5.15	5.10	5.20	160		
	5	5.32	5.27	5.37	160	160	
	1	4.48	4.43	4.53	180		
	2	5.08	5.03	5.13	160		
	3	5.73	5.68	5.78	160		
COLUMN 2	4	5.97	5.92	6.02	160		
	5	6.19	6.14	6.24	160	160	0.0
	1	8.84	8.80	8.90	160		
Aroclor-1260	2	9.39	9.35	9.45	160		
	3	10.10	10.06	10.16	160		
COLUMN 1	4	10.84	10.80	10.90	170		
	5	11.22	11.18	11.28	170	170	
	1	11.39	11.35	11.45	170		
	2	12.40	12.36	12.46	170		
	3	12.97	12.92	13.02	170		
COLUMN 2	4	13.60	13.55	13.65	170		
	5	13.72	13.67	13.77	170	170	0.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

BBLKAL SAMPLE NO.

TS10089MSD

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: 831319MD Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column(1): RTX-5 ID: 0.25(mm) GC Column(2): RTX-35 ID: 0.25(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	3.97	3.92	4.02	180		
Aroclor-1016	2	4.16	4.11	4.21	170		
	3	4.57	4.52	4.62	170		
COLUMN 1	4	5.15	5.10	5.20	180		
	5	5.32	5.27	5.37	180	180	
	1	4.49	4.43	4.53	200		
	2	5.09	5.03	5.13	180		
	3	5.74	5.68	5.78	180		
COLUMN 2	4	5.98	5.92	6.02	180		
	5	6.20	6.14	6.24	180	180	0.0
	1	8.84	8.80	8.90	190		
Aroclor-1260	2	9.39	9.35	9.45	180		
	3	10.10	10.06	10.16	180		
COLUMN 1	4	10.84	10.80	10.90	190		
	5	11.23	11.18	11.28	190	180	
	1	11.40	11.35	11.45	190		
	2	12.41	12.36	12.46	190		
	3	12.98	12.92	13.02	200		
COLUMN 2	4	13.61	13.55	13.65	190		
	5	13.73	13.67	13.77	190	190	5.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

FORM 10
OTHER IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.

C052810LCS

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: KAL547

Lab Sample ID: C052810LCS Date(s) Analyzed: 06/08/10 06/08/10

Instrument ID (1): 7227_1 Instrument ID (2): 7227_2

GC Column(1): RTX-5 ID: 0.25(mm) GC Column(2): RTX-35 ID: 0.25(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	RPD
	1	3.97	3.92	4.02	150		
Aroclor-1016	2	4.16	4.11	4.21	150		
	3	4.58	4.52	4.62	150		
COLUMN 1	4	5.16	5.10	5.20	150		
	5	5.33	5.27	5.37	150	150	
	1	4.50	4.43	4.53	140		
	2	5.10	5.03	5.13	140		
	3	5.75	5.68	5.78	140		
COLUMN 2	4	5.99	5.92	6.02	140		
	5	6.20	6.14	6.24	140	140	6.9
	1	8.85	8.80	8.90	160		
Aroclor-1260	2	9.40	9.35	9.45	160		
	3	10.11	10.06	10.16	160		
COLUMN 1	4	10.85	10.80	10.90	160		
	5	11.23	11.18	11.28	150	160	
	1	11.41	11.35	11.45	140		
	2	12.42	12.36	12.46	150		
	3	12.99	12.92	13.02	150		
COLUMN 2	4	13.62	13.55	13.65	140		
	5	13.74	13.67	13.77	150	150	6.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

OTHER

ANALYTICAL REPORT

Job Number: 200-978-1

SDG Number: KAL570

Job Description: Kalamazoo

For:
ARCADIS
6723 Towpath Road
PO BOX 66
Syracuse, NY 13214

Attention: Mr. Dennis Capria

Approved for release.
James W Madison
Project Manager I
08/20/10 11:22 AM

James W Madison
Project Manager I
jim.madison@testamericainc.com
08/20/2010

cc: Eric Hritsuk

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC Semi VOA
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Analysis Batch Number: 4772

Lab Sample ID: IC 200-4772/2 Client Sample ID:

Date Analyzed: 08/03/10 13:40 Lab File ID: 03aug101137-r051.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 4	4.76	Baseline event	lmt	08/05/10 08:22
PCB-1232 Peak 5	4.88	Baseline event	lmt	08/05/10 08:22

Lab Sample ID: IC 200-4772/5 Client Sample ID:

Date Analyzed: 08/03/10 15:09 Lab File ID: 03aug101137-r081.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.09	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 2	7.30	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 3	7.61	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 4	7.88	Baseline event	lmt	08/05/10 09:00
PCB-1254 Peak 5	8.42	Baseline event	lmt	08/05/10 09:00

Lab Sample ID: IC 200-4772/8 Client Sample ID:

Date Analyzed: 08/03/10 16:37 Lab File ID: 03aug101137-r111.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	4.22	Baseline event	lmt	08/05/10 08:26
PCB-1016 Peak 3	4.76	Baseline event	lmt	08/05/10 08:26
PCB-1016 Peak 4	4.89	Baseline event	lmt	08/05/10 08:26
PCB-1016 Peak 5	4.99	Baseline event	lmt	08/05/10 08:26
PCB-1260 Peak 1	9.52	Baseline event	lmt	08/05/10 08:25
PCB-1260 Peak 2	10.11	Baseline event	lmt	08/05/10 08:25
PCB-1260 Peak 3	10.85	Baseline event	lmt	08/05/10 08:25

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Analysis Batch Number: 4772

Lab Sample ID: IC 200-4772/8 Client Sample ID:

Date Analyzed: 08/03/10 16:37 Lab File ID: 03aug101137-r111.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	10.18	Baseline event	lmt	08/05/10 09:01

Lab Sample ID: IC 200-4772/9 Client Sample ID:

Date Analyzed: 08/03/10 17:06 Lab File ID: 03aug101137-r121.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	9.53	Baseline event	lmt	08/05/10 08:27
PCB-1260 Peak 2	10.11	Baseline event	lmt	08/05/10 08:27
PCB-1260 Peak 3	10.85	Baseline event	lmt	08/05/10 08:27

Lab Sample ID: ICRT 200-4772/10 Client Sample ID:

Date Analyzed: 08/03/10 17:36 Lab File ID: 03aug101137-r131.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	9.51	Baseline event	lmt	08/05/10 08:24
PCB-1260 Peak 2	10.10	Baseline event	lmt	08/05/10 08:24
PCB-1260 Peak 3	10.84	Baseline event	lmt	08/05/10 08:24

SAMPLE SUMMARY

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-978-1	TS10102	Solid	08/03/2010 1130	08/04/2010 1030

METHOD SUMMARY

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUR	SW846 8082	
Ultrasonic Extraction	TAL BUR		SW846 3550B
Sulfuric Acid/Permanganate Cleanup	TAL BUR		SW846 3665A
Sulfur Cleanup	TAL BUR		SW846 3660B
Percent Moisture	TAL BUR	EPA Moisture	

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Method	Analyst	Analyst ID
SW846 8082	Duncan, Stacee L	SLD
EPA Moisture	Nelson, Andrea J	AJN

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Client Sample ID: **TS10102**

Lab Sample ID: 200-978-1
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 08/03/2010 1130
Date Received: 08/04/2010 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 200-5131		Instrument ID:	3283.i
Preparation:	3550B	Prep Batch: 200-4726		Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	08/06/2010 1346			Injection Volume:	1 uL
Date Prepared:	08/04/2010 1215			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		18	U	2.3	18
PCB-1221		18	U	2.8	18
PCB-1232		18	U	1.7	18
PCB-1242		18	U	1.4	18
PCB-1248		18	U	2.0	18
PCB-1254		18	U	1.4	18
PCB-1260		18	U	3.5	18
PCB-1262		18	U	5.3	18

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	100		30 - 130
DCB Decachlorobiphenyl	100		45 - 125

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Client Sample ID: **TS10102**

Lab Sample ID: 200-978-1
Client Matrix: Solid
% Moisture: 7.3

Date Sampled: 08/03/2010 1130
Date Received: 08/04/2010 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 200-5131		Instrument ID:	3283.i
Preparation:	3550B	Prep Batch: 200-4726		Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	08/06/2010 1346			Injection Volume:	1 uL
Date Prepared:	08/04/2010 1215			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		30 - 130
DCB Decachlorobiphenyl	102		45 - 125

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

General Chemistry

Client Sample ID: **TS10102**

Lab Sample ID: 200-978-1
Client Matrix: Solid

Date Sampled: 08/03/2010 1130
Date Received: 08/04/2010 1030

Analyte	Result	Qual	Units	Dil	Method
Percent Solids	92.7		%	1.0	Moisture

Analysis Batch: 200-4741 Date Analyzed: 08/04/2010 1406 DryWt Corrected: N

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
200-978-1	TS10102	100	99	100	102
MB 200-4726/1-C		104	103	107	109
LCS 200-4726/2-C		107	106	114	111

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-130
DCB = DCB Decachlorobiphenyl	45-125

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Method Blank - Batch: 200-4726

Method: 8082
Preparation: 3550B

Lab Sample ID: MB 200-4726/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/06/2010 1247
Date Prepared: 08/04/2010 1215

Analysis Batch: 200-5131
Prep Batch: 200-4726
Units: ug/Kg

Instrument ID: 3283.i
Lab File ID: 06aug101014-r061.d
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	17	U	2.2	17
PCB-1221	17	U	2.6	17
PCB-1232	17	U	1.6	17
PCB-1242	17	U	1.3	17
PCB-1248	17	U	1.9	17
PCB-1254	17	U	1.3	17
PCB-1260	17	U	3.3	17
PCB-1262	17	U	5.0	17

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	104	30 - 130
DCB Decachlorobiphenyl	107	45 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	103	30 - 130
DCB Decachlorobiphenyl	109	45 - 125

Lab Control Sample - Batch: 200-4726

Method: 8082
Preparation: 3550B

Lab Sample ID: LCS 200-4726/2-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/06/2010 1317
Date Prepared: 08/04/2010 1215

Analysis Batch: 200-5131
Prep Batch: 200-4726
Units: ug/Kg

Instrument ID: 3283.i
Lab File ID: 06aug101014-r071.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	166	169	102	55 - 120	
PCB-1260	166	176	106	55 - 125	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	107	30 - 130
DCB Decachlorobiphenyl	114	45 - 125

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	106	30 - 130
DCB Decachlorobiphenyl	111	45 - 125

DATA REPORTING QUALIFIERS

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.

Client: ARCADIS

Job Number: 200-978-1
Sdg Number: KAL570

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 200-4726					
LCS 200-4726/2-C	Lab Control Sample	T	Solid	3550B	
MB 200-4726/1-C	Method Blank	T	Solid	3550B	
200-978-1	TS10102	T	Solid	3550B	
Analysis Batch:200-5131					
LCS 200-4726/2-C	Lab Control Sample	T	Solid	8082	200-4726
MB 200-4726/1-C	Method Blank	T	Solid	8082	200-4726
200-978-1	TS10102	T	Solid	8082	200-4726

Report Basis
T = Total

General Chemistry					
Analysis Batch:200-4741					
200-978-1	TS10102	T	Solid	Moisture	

Report Basis
T = Total

Client: ARCADIS

Job Number: 200-978-1
SDG: KAL570

Laboratory Chronicle

Lab ID: **200-978-1** **Client ID:** **TS10102**

Sample Date/Time: 08/03/2010 11:30 Received Date/Time: 08/04/2010 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	200-978-A-1-C		200-5131	200-4726	08/04/2010 12:15	1	TAL BUR	EAN
A:8082	200-978-A-1-C		200-5131	200-4726	08/06/2010 13:46	1	TAL BUR	SLD
A:Moisture	200-978-A-1		200-4741		08/04/2010 14:06	1	TAL BUR	AJN

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	MB 200-4726/1-C		200-5131	200-4726	08/04/2010 12:15	1	TAL BUR	EAN
A:8082	MB 200-4726/1-C		200-5131	200-4726	08/06/2010 12:47	1	TAL BUR	SLD

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	LCS 200-4726/2-C		200-5131	200-4726	08/04/2010 12:15	1	TAL BUR	EAN
A:8082	LCS 200-4726/2-C		200-5131	200-4726	08/06/2010 13:17	1	TAL BUR	SLD

Lab References:
TAL BUR = TestAmerica Burlington

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Matrix: Solid Level: Low

GC Column (1): RTX-5 ID: 0.25 (mm) GC Column (2): RTX-35 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
TS10102	200-978-1	100	99	100	102
	MB 200-4726/1-C	104	103	107	109
	LCS 200-4726/2-C	107	106	114	111

	QC LIMITS
TCX = Tetrachloro-m-xylene	30-130
DCB = DCB Decachlorobiphenyl	45-125

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Matrix: Solid Level: Low Lab File ID: 06aug101014-r071.d

Lab ID: LCS 200-4726/2-C Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	166	169	102	55-120	
PCB-1260	166	176	106	55-125	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: MB 200-4726/1-C

Matrix: Solid Date Extracted: 08/04/2010 12:15

Lab File ID:(1) 06aug101014-r061.d Lab File ID:(2) 06aug101014-r061.d

Date Analyzed:(1) 08/06/2010 12:47 Date Analyzed:(2) 08/06/2010 12:47

Instrument ID:(1) 3283.i Instrument ID:(2) 3283.i

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-35 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 200-4726/2-C	08/06/2010 13:17	08/06/2010 13:17
TS10102	200-978-1	08/06/2010 13:46	08/06/2010 13:46

FORM IV 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Sample No.: CCVRT 200-5131/2 Date Analyzed: 08/06/2010 10:50

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): 06aug101014-r021.d Heated Purge: (Y/N) N

Calibration ID: 1687

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.36	13.55	
UPPER LIMIT				3.41	13.60	
LOWER LIMIT				3.31	13.50	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-5131/2		08/06/2010 10:50	06aug101014-r021.d	3.36	13.55	
MB 200-4726/1-C		08/06/2010 12:47	06aug101014-r061.d	3.36	13.55	
LCS 200-4726/2-C		08/06/2010 13:17	06aug101014-r071.d	3.36	13.55	
200-978-1	TS10102	08/06/2010 13:46	06aug101014-r081.d	3.36	13.55	
CCV 200-5131/12		08/06/2010 15:44	06aug101014-r121.d	3.36	13.55	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Sample No.: CCVRT 200-5131/2 Date Analyzed: 08/06/2010 10:50

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm)

Lab File ID (Standard): 06aug101014-r021.d Heated Purge: (Y/N) N

Calibration ID: 1695

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.27	13.80	
UPPER LIMIT				3.32	13.85	
LOWER LIMIT				3.22	13.75	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-5131/2		08/06/2010 10:50	06aug101014-r021.d	3.27	13.80	
MB 200-4726/1-C		08/06/2010 12:47	06aug101014-r061.d	3.27	13.80	
LCS 200-4726/2-C		08/06/2010 13:17	06aug101014-r071.d	3.26	13.80	
200-978-1	TS10102	08/06/2010 13:46	06aug101014-r081.d	3.27	13.81	
CCV 200-5131/12		08/06/2010 15:44	06aug101014-r121.d	3.27	13.80	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: Lab Sample ID: LCS 200-4726/2-C

Instrument ID (1): 3283.i Instrument ID (2): 3283.i

Date Analyzed (1): 08/06/2010 13:17 Date Analyzed (2): 08/06/2010 13:17

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.22	4.16	4.26	165	169	3.5
		2	4.43	4.38	4.48	167		
		3	4.76	4.71	4.81	175		
		4	4.89	4.84	4.94	170		
		5	4.99	4.94	5.04	169		
	2	1	3.93	3.89	3.99	160	163	
		2	4.42	4.37	4.47	161		
		3	4.95	4.90	5.00	170		
		4	5.15	5.11	5.21	161		
		5	5.33	5.28	5.38	166		
PCB-1260	1	1	9.52	9.47	9.57	172	176	1.4
		2	10.10	10.06	10.16	172		
		3	10.84	10.79	10.89	184		
		4	11.55	11.50	11.60	179		
		5	11.83	11.79	11.89	171		
	2	1	10.16	10.12	10.22	168	173	
		2	11.40	11.36	11.46	185		
		3	12.14	12.10	12.20	171		
		4	12.86	12.82	12.92	167		
		5	13.02	12.97	13.07	176		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: TS10102 | Lab Sample ID: 200-978-1

Matrix: Solid | Lab File ID: 06aug101014-r081.d

Analysis Method: 8082 | Date Collected: 08/03/2010 11:30

Extraction Method: 3550B | Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.43(g) | Date Analyzed: 08/06/2010 13:46

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: 7.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	18	U	18	2.3
11104-28-2	PCB-1221	18	U	18	2.8
11141-16-5	PCB-1232	18	U	18	1.7
53469-21-9	PCB-1242	18	U	18	1.4
12672-29-6	PCB-1248	18	U	18	2.0
11097-69-1	PCB-1254	18	U	18	1.4
11096-82-5	PCB-1260	18	U	18	3.5
37324-23-5	PCB-1262	18	U	18	5.3

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	100	30-130	
2051-24-3	DCB Decachlorobiphenyl	100	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: TS10102 Lab Sample ID: 200-978-1

Matrix: Solid Lab File ID: 06aug101014-r081.d

Analysis Method: 8082 Date Collected: 08/03/2010 11:30

Extraction Method: 3550B Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.43(g) Date Analyzed: 08/06/2010 13:46

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: 7.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 Units: ug/Kg

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	99	30-130	
2051-24-3	DCB Decachlorobiphenyl	102	45-125	

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1680

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.609										3.559 - 3.659	3.609
PCB-1221 Peak 2	3.717										3.667 - 3.767	3.717
PCB-1221 Peak 3	3.777										3.727 - 3.827	3.777
PCB-1221 Peak 4	4.243										4.193 - 4.293	4.243
PCB-1221 Peak 5	4.433										4.383 - 4.483	4.433

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1680

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	13.185				Ave		13									
PCB-1221 Peak 2	9.6150				Ave		10									
PCB-1221 Peak 3	31.905				Ave		32									
PCB-1221 Peak 4	5.4900				Ave		5									
PCB-1221 Peak 5	2.3550				Ave		2									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1680

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	2637					200				
PCB-1221 Peak 2	Ave	1923					200				
PCB-1221 Peak 3	Ave	6381					200				
PCB-1221 Peak 4	Ave	1098					200				
PCB-1221 Peak 5	Ave	471					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.717										3.667 - 3.767	3.717
PCB-1221 Peak 2	3.873										3.823 - 3.923	3.873
PCB-1221 Peak 3	3.939										3.889 - 3.989	3.939
PCB-1221 Peak 4	4.427										4.377 - 4.477	4.427
PCB-1221 Peak 5	4.954										4.904 - 5.004	4.954

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	12.410				Ave		12									
PCB-1221 Peak 2	9.7000				Ave		10									
PCB-1221 Peak 3	30.445				Ave		30									
PCB-1221 Peak 4	6.5350				Ave		7									
PCB-1221 Peak 5	4.4550				Ave		4									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:11 Calibration End Date: 08/03/2010 13:11 Calibration ID: 1688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/1	03aug101137-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	2482					200				
PCB-1221 Peak 2	Ave	1940					200				
PCB-1221 Peak 3	Ave	6089					200				
PCB-1221 Peak 4	Ave	1307					200				
PCB-1221 Peak 5	Ave	891					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1681

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.773										3.723 - 3.823	3.773
PCB-1232 Peak 2	4.214										4.164 - 4.264	4.214
PCB-1232 Peak 3	4.427										4.377 - 4.477	4.427
PCB-1232 Peak 4	4.757										4.707 - 4.807	4.757
PCB-1232 Peak 5	4.883										4.833 - 4.933	4.883

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1681

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	27.795				Ave		28									
PCB-1232 Peak 2	15.745				Ave		16									
PCB-1232 Peak 3	15.740				Ave		16									
PCB-1232 Peak 4	27.615				Ave		28									
PCB-1232 Peak 5	16.635				Ave		17									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1681

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	5559					200				
PCB-1232 Peak 2	Ave	3149					200				
PCB-1232 Peak 3	Ave	3148					200				
PCB-1232 Peak 4	Ave	5523					200				
PCB-1232 Peak 5	Ave	3327					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.937										3.887 - 3.987	3.937
PCB-1232 Peak 2	4.422										4.372 - 4.472	4.422
PCB-1232 Peak 3	4.950										4.900 - 5.000	4.950
PCB-1232 Peak 4	5.156										5.106 - 5.206	5.156
PCB-1232 Peak 5	5.936										5.886 - 5.986	5.936

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	27.335				Ave		27									
PCB-1232 Peak 2	20.750				Ave		21									
PCB-1232 Peak 3	31.105				Ave		31									
PCB-1232 Peak 4	12.675				Ave		13									
PCB-1232 Peak 5	9.7600				Ave		10									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 13:40 Calibration End Date: 08/03/2010 13:40 Calibration ID: 1689

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/2	03aug101137-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	5467					200				
PCB-1232 Peak 2	Ave	4150					200				
PCB-1232 Peak 3	Ave	6221					200				
PCB-1232 Peak 4	Ave	2535					200				
PCB-1232 Peak 5	Ave	1952					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	4.216										4.166 - 4.266	4.216
PCB-1242 Peak 2	4.431										4.381 - 4.481	4.431
PCB-1242 Peak 3	4.761										4.711 - 4.811	4.761
PCB-1242 Peak 4	4.888										4.838 - 4.938	4.888
PCB-1242 Peak 5	4.988										4.938 - 5.038	4.988

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	28.320				Ave		28									
PCB-1242 Peak 2	27.370				Ave		27									
PCB-1242 Peak 3	50.840				Ave		51									
PCB-1242 Peak 4	29.345				Ave		29									
PCB-1242 Peak 5	19.920				Ave		20									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	5664					200				
PCB-1242 Peak 2	Ave	5474					200				
PCB-1242 Peak 3	Ave	10168					200				
PCB-1242 Peak 4	Ave	5869					200				
PCB-1242 Peak 5	Ave	3984					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1690

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	4.422										4.372 - 4.472	4.422
PCB-1242 Peak 2	4.750										4.700 - 4.800	4.750
PCB-1242 Peak 3	4.952										4.902 - 5.002	4.952
PCB-1242 Peak 4	5.156										5.106 - 5.206	5.156
PCB-1242 Peak 5	5.333										5.283 - 5.383	5.333

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1690

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	33.950				Ave		34									
PCB-1242 Peak 2	13.540				Ave		14									
PCB-1242 Peak 3	55.170				Ave		55									
PCB-1242 Peak 4	22.245				Ave		22									
PCB-1242 Peak 5	17.810				Ave		18									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:10 Calibration End Date: 08/03/2010 14:10 Calibration ID: 1690

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/3	03aug101137-r061.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	6790					200				
PCB-1242 Peak 2	Ave	2708					200				
PCB-1242 Peak 3	Ave	11034					200				
PCB-1242 Peak 4	Ave	4449					200				
PCB-1242 Peak 5	Ave	3562					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1683

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	4.223										4.173 - 4.273	4.223
PCB-1248 Peak 2	4.436										4.386 - 4.486	4.436
PCB-1248 Peak 3	4.764										4.714 - 4.814	4.764
PCB-1248 Peak 4	4.892										4.842 - 4.942	4.892
PCB-1248 Peak 5	5.586										5.536 - 5.636	5.586

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1683

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	15.740				Ave		16									
PCB-1248 Peak 2	12.500				Ave		13									
PCB-1248 Peak 3	30.485				Ave		30									
PCB-1248 Peak 4	15.260				Ave		15									
PCB-1248 Peak 5	15.115				Ave		15									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1683

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	3148					200				
PCB-1248 Peak 2	Ave	2500					200				
PCB-1248 Peak 3	Ave	6097					200				
PCB-1248 Peak 4	Ave	3052					200				
PCB-1248 Peak 5	Ave	3023					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1691

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	4.429										4.379 - 4.479	4.429
PCB-1248 Peak 2	4.956										4.906 - 5.006	4.956
PCB-1248 Peak 3	5.165										5.115 - 5.215	5.165
PCB-1248 Peak 4	5.570										5.520 - 5.620	5.570
PCB-1248 Peak 5	6.003										5.953 - 6.053	6.003

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1691

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	17.065				Ave		17									
PCB-1248 Peak 2	35.310				Ave		35									
PCB-1248 Peak 3	11.315				Ave		11									
PCB-1248 Peak 4	9.3100				Ave		9									
PCB-1248 Peak 5	10.480				Ave		10									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 14:39 Calibration End Date: 08/03/2010 14:39 Calibration ID: 1691

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/4	03aug101137-r071.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	3413					200				
PCB-1248 Peak 2	Ave	7062					200				
PCB-1248 Peak 3	Ave	2263					200				
PCB-1248 Peak 4	Ave	1862					200				
PCB-1248 Peak 5	Ave	2096					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	6.756										6.706 - 6.806	6.756
PCB-1254 Peak 2	7.071										7.021 - 7.121	7.071
PCB-1254 Peak 3	7.175										7.125 - 7.225	7.175
PCB-1254 Peak 4	7.260										7.210 - 7.310	7.260
PCB-1254 Peak 5	7.931										7.881 - 7.981	7.931

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	18.340				Ave		18									
PCB-1254 Peak 2	15.645				Ave		16									
PCB-1254 Peak 3	32.190				Ave		32									
PCB-1254 Peak 4	10.815				Ave		11									
PCB-1254 Peak 5	35.400				Ave		35									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	3668					200				
PCB-1254 Peak 2	Ave	3129					200				
PCB-1254 Peak 3	Ave	6438					200				
PCB-1254 Peak 4	Ave	2163					200				
PCB-1254 Peak 5	Ave	7080					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1692

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	7.089										7.039 - 7.139	7.089
PCB-1254 Peak 2	7.304										7.254 - 7.354	7.304
PCB-1254 Peak 3	7.608										7.558 - 7.658	7.608
PCB-1254 Peak 4	7.876										7.826 - 7.926	7.876
PCB-1254 Peak 5	8.417										8.367 - 8.467	8.417

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1692

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	16.835				Ave		17									
PCB-1254 Peak 2	11.085				Ave		11									
PCB-1254 Peak 3	13.060				Ave		13									
PCB-1254 Peak 4	8.5750				Ave		9									
PCB-1254 Peak 5	33.830				Ave		34									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:09 Calibration End Date: 08/03/2010 15:09 Calibration ID: 1692

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/5	03aug101137-r081.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	3367					200				
PCB-1254 Peak 2	Ave	2217					200				
PCB-1254 Peak 3	Ave	2612					200				
PCB-1254 Peak 4	Ave	1715					200				
PCB-1254 Peak 5	Ave	6766					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1685

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	9.638										9.588 - 9.688	9.638
PCB-1262 Peak 2	10.101										10.051 - 10.151	10.101
PCB-1262 Peak 3	10.237										10.187 - 10.287	10.237
PCB-1262 Peak 4	10.842										10.792 - 10.892	10.842
PCB-1262 Peak 5	11.544										11.494 - 11.594	11.544

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1685

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	21.845				Ave		22									
PCB-1262 Peak 2	42.860				Ave		43									
PCB-1262 Peak 3	19.360				Ave		19									
PCB-1262 Peak 4	89.850				Ave		90									
PCB-1262 Peak 5	33.640				Ave		34									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1685

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	4369					200				
PCB-1262 Peak 2	Ave	8572					200				
PCB-1262 Peak 3	Ave	3872					200				
PCB-1262 Peak 4	Ave	17970					200				
PCB-1262 Peak 5	Ave	6728					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1693

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	10.028										9.978 - 10.078	10.028
PCB-1262 Peak 2	10.902										10.852 - 10.952	10.902
PCB-1262 Peak 3	11.420										11.370 - 11.470	11.420
PCB-1262 Peak 4	12.154										12.104 - 12.204	12.154
PCB-1262 Peak 5	13.032										12.982 - 13.082	13.032

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1693

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	48.145				Ave		48									
PCB-1262 Peak 2	38.845				Ave		39									
PCB-1262 Peak 3	107.25				Ave		107									
PCB-1262 Peak 4	63.020				Ave		63									
PCB-1262 Peak 5	65.770				Ave		66									

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 15:38 Calibration End Date: 08/03/2010 15:38 Calibration ID: 1693

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/6	03aug101137-r091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	9629					200				
PCB-1262 Peak 2	Ave	7769					200				
PCB-1262 Peak 3	Ave	21449					200				
PCB-1262 Peak 4	Ave	12604					200				
PCB-1262 Peak 5	Ave	13154					200				

Curve Type Legend:
Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	4.216	4.221	4.207	4.205	4.221						4.157 - 4.257	4.214
PCB-1016 Peak 2	4.431	4.433	4.420	4.418	4.433						4.370 - 4.470	4.427
PCB-1016 Peak 3	4.759	4.764	4.750	4.748	4.761						4.700 - 4.800	4.757
PCB-1016 Peak 4	4.888	4.890	4.877	4.874	4.890						4.827 - 4.927	4.884
PCB-1016 Peak 5	4.988	4.992	4.979	4.976	4.990						4.929 - 5.029	4.985
PCB-1260 Peak 1	9.518	9.525	9.510	9.505	9.521						9.460 - 9.560	9.516
PCB-1260 Peak 2	10.106	10.110	10.097	10.092	10.108						10.047 - 10.147	10.103
PCB-1260 Peak 3	10.848	10.848	10.835	10.833	10.846						10.785 - 10.885	10.842
PCB-1260 Peak 4	11.551	11.553	11.540	11.536	11.551						11.490 - 11.590	11.546
PCB-1260 Peak 5	11.837	11.841	11.826	11.824	11.837						11.776 - 11.876	11.833
Tetrachloro-m-xylene	3.358	3.363	3.349	3.347	3.363						3.299 - 3.399	3.356
DCB Decachlorobiphenyl	13.546	13.550	13.537	13.535	13.548						13.487 - 13.587	13.543

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	38.180 32.031	36.880	34.440	33.120	Ave		35				7.3					
PCB-1016 Peak 2	37.180 32.921	35.930	33.645	32.718	Ave		34				5.7					
PCB-1016 Peak 3	67.300 68.910	64.850	64.625	66.018	Ave		66				2.7					
PCB-1016 Peak 4	39.880 36.818	38.030	36.525	36.388	Ave		38				3.9					
PCB-1016 Peak 5	26.140 25.240	26.180	25.525	24.990	Ave		26				2.1					
PCB-1260 Peak 1	37.420 35.249	35.400	34.465	34.308	Ave		35				3.5					
PCB-1260 Peak 2	37.960 36.535	37.050	35.445	34.808	Ave		36				3.5					
PCB-1260 Peak 3	79.420 88.149	76.270	77.180	81.863	Ave		81				5.9					
PCB-1260 Peak 4	46.620 47.861	45.240	45.420	45.123	Ave		46				2.6					
PCB-1260 Peak 5	31.260 28.540	30.660	29.000	28.353	Ave		30				4.4					
Tetrachloro-m-xylene	1287.4 1431.2	1316.2	1315.2	1387.9	Ave		1348				4.4					
DCB Decachlorobiphenyl	1580.8 1754.1	1584.6	1610.7	1696.8	Ave		1645				4.7					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1687

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1909	3688	6888	13248	25625	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	1859	3593	6729	13087	26337	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	3365	6485	12925	26407	55128	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	1994	3803	7305	14555	29454	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	1307	2618	5105	9996	20192	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	1871	3540	6893	13723	28199	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	1898	3705	7089	13923	29228	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	3971	7627	15436	32745	70519	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	2331	4524	9084	18049	38289	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	1563	3066	5800	11341	22832	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	6437	13162	26303	55517	114499	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	7904	15846	32214	67871	140331	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:

Ave = Average by Height

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1695

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	3.946	3.939	3.948	3.935	3.948						3.898 - 3.998	3.943
PCB-1016 Peak 2	4.431	4.424	4.433	4.420	4.433						4.383 - 4.483	4.428
PCB-1016 Peak 3	4.959	4.952	4.961	4.948	4.961						4.911 - 5.011	4.956
PCB-1016 Peak 4	5.165	5.158	5.167	5.154	5.167						5.117 - 5.217	5.162
PCB-1016 Peak 5	5.342	5.336	5.344	5.331	5.344						5.294 - 5.394	5.340
PCB-1260 Peak 1	10.177	10.170	10.179	10.163	10.177						10.129 - 10.229	10.173
PCB-1260 Peak 2	11.422	11.416	11.422	11.409	11.420						11.372 - 11.472	11.418
PCB-1260 Peak 3	12.156	12.147	12.156	12.141	12.154						12.106 - 12.206	12.151
PCB-1260 Peak 4	12.879	12.872	12.881	12.866	12.879						12.831 - 12.931	12.875
PCB-1260 Peak 5	13.032	13.027	13.034	13.018	13.032						12.984 - 13.084	13.029
Tetrachloro-m-xylene	3.274	3.270	3.278	3.263	3.276						3.228 - 3.328	3.272
DCB Decachlorobiphenyl	13.810	13.805	13.812	13.799	13.812						13.762 - 13.862	13.808

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1695

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	26.020 20.903	25.320	23.945	21.800	Ave		24				9.3					
PCB-1016 Peak 2	47.100 37.849	44.370	40.960	39.103	Ave		42				9.1					
PCB-1016 Peak 3	75.360 68.345	70.370	68.430	67.725	Ave		70				4.5					
PCB-1016 Peak 4	30.120 24.715	29.020	27.070	25.498	Ave		27				8.4					
PCB-1016 Peak 5	22.800 20.156	22.430	21.555	20.333	Ave		21				5.6					
PCB-1260 Peak 1	18.500 16.163	17.540	17.280	16.575	Ave		17				5.3					
PCB-1260 Peak 2	95.640 99.839	92.330	94.025	96.670	Ave		96				3.0					
PCB-1260 Peak 3	37.760 33.500	36.630	34.160	32.750	Ave		35				6.1					
PCB-1260 Peak 4	18.540 16.559	17.530	17.175	16.335	Ave		17				5.1					
PCB-1260 Peak 5	45.720 44.316	44.280	42.965	41.833	Ave		44				3.4					
Tetrachloro-m-xylene	1166.0 1206.3	1149.8	1153.0	1183.8	Ave		1172				2.0					
DCB Decachlorobiphenyl	1558.2 1664.9	1527.2	1570.2	1586.4	Ave		1581				3.3					

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-978-1 Analy Batch No.: 4772

SDG No.: KAL570

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2010 16:37 Calibration End Date: 08/03/2010 18:34 Calibration ID: 1695

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-4772/8	03aug101137-r111.d
Level 2	IC 200-4772/9	03aug101137-r121.d
Level 3	ICRT 200-4772/10	03aug101137-r131.d
Level 4	IC 200-4772/11	03aug101137-r141.d
Level 5	IC 200-4772/12	03aug101137-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1301	2532	4789	8720	16722	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	2355	4437	8192	15641	30279	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	3768	7037	13686	27090	54676	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	1506	2902	5414	10199	19772	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	1140	2243	4311	8133	16125	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	925	1754	3456	6630	12930	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	4782	9233	18805	38668	79871	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	1888	3663	6832	13100	26800	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	927	1753	3435	6534	13247	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	2286	4428	8593	16733	35453	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	5830	11498	23060	47352	96506	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	7791	15272	31403	63455	133192	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:

Ave = Average by Height

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	34.93	35.35		202	200	1.2	20.0
PCB-1016 Peak 2	Ave	34.48	35.25		204	200	2.2	20.0
PCB-1016 Peak 3	Ave	66.34	66.77		201	200	0.6	20.0
PCB-1016 Peak 4	Ave	37.53	38.14		203	200	1.6	20.0
PCB-1016 Peak 5	Ave	25.62	26.07		204	200	1.8	20.0
PCB-1260 Peak 1	Ave	35.37	36.68		207	200	3.7	20.0
PCB-1260 Peak 2	Ave	36.36	38.05		209	200	4.6	20.0
PCB-1260 Peak 3	Ave	80.58	85.99		213	200	6.7	20.0
PCB-1260 Peak 4	Ave	46.05	50.26		218	200	9.1	20.0
PCB-1260 Peak 5	Ave	29.56	29.93		202	200	1.2	20.0
Tetrachloro-m-xylene	Ave	1348	1333		19.8	20.0	-1.1	20.0
DCB Decachlorobiphenyl	Ave	1645	1707		20.7	20.0	3.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.22	4.16	4.26
PCB-1016 Peak 2	4.44	4.37	4.47
PCB-1016 Peak 3	4.77	4.70	4.80
PCB-1016 Peak 4	4.89	4.83	4.93
PCB-1016 Peak 5	4.99	4.93	5.03
PCB-1260 Peak 1	9.52	9.46	9.56
PCB-1260 Peak 2	10.11	10.05	10.15
PCB-1260 Peak 3	10.85	10.79	10.89
PCB-1260 Peak 4	11.55	11.49	11.59
PCB-1260 Peak 5	11.84	11.78	11.88
Tetrachloro-m-xylene	3.36	3.30	3.40
DCB Decachlorobiphenyl	13.55	13.49	13.59

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	23.60	25.17		213	200	6.6	20.0
PCB-1016 Peak 2	Ave	41.88	42.27		202	200	0.9	20.0
PCB-1016 Peak 3	Ave	70.05	70.16		200	200	0.2	20.0
PCB-1016 Peak 4	Ave	27.28	27.99		205	200	2.6	20.0
PCB-1016 Peak 5	Ave	21.45	22.31		208	200	4.0	20.0
PCB-1260 Peak 1	Ave	17.21	18.40		214	200	6.9	20.0
PCB-1260 Peak 2	Ave	95.70	99.17		207	200	3.6	20.0
PCB-1260 Peak 3	Ave	34.96	33.39		191	200	-4.5	20.0
PCB-1260 Peak 4	Ave	17.23	17.96		209	200	4.3	20.0
PCB-1260 Peak 5	Ave	43.82	43.53		199	200	-0.7	20.0
Tetrachloro-m-xylene	Ave	1172	1160		19.8	20.0	-1.0	20.0
DCB Decachlorobiphenyl	Ave	1581	1620		20.5	20.0	2.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: ICV 200-4772/13 Calibration Date: 08/03/2010 19:33

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 03aug101137-r171.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.95	3.90	4.00
PCB-1016 Peak 2	4.43	4.38	4.48
PCB-1016 Peak 3	4.96	4.91	5.01
PCB-1016 Peak 4	5.16	5.12	5.22
PCB-1016 Peak 5	5.34	5.29	5.39
PCB-1260 Peak 1	10.17	10.13	10.23
PCB-1260 Peak 2	11.42	11.37	11.47
PCB-1260 Peak 3	12.15	12.11	12.21
PCB-1260 Peak 4	12.87	12.83	12.93
PCB-1260 Peak 5	13.03	12.98	13.08
Tetrachloro-m-xylene	3.27	3.23	3.33
DCB Decachlorobiphenyl	13.81	13.76	13.86

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	34.93	33.65		193	200	-3.7	15.0
PCB-1016 Peak 2	Ave	34.48	33.64		195	200	-2.4	15.0
PCB-1016 Peak 3	Ave	66.34	63.85		192	200	-3.8	15.0
PCB-1016 Peak 4	Ave	37.53	36.85		196	200	-1.8	15.0
PCB-1016 Peak 5	Ave	25.62	25.10		196	200	-2.0	15.0
PCB-1260 Peak 1	Ave	35.37	35.18		199	200	-0.5	15.0
PCB-1260 Peak 2	Ave	36.36	35.94		198	200	-1.2	15.0
PCB-1260 Peak 3	Ave	80.58	80.01		199	200	-0.7	15.0
PCB-1260 Peak 4	Ave	46.05	46.95		204	200	1.9	15.0
PCB-1260 Peak 5	Ave	29.56	29.87		202	200	1.0	15.0
Tetrachloro-m-xylene	Ave	1348	1265		18.8	20.0	-6.2	15.0
DCB Decachlorobiphenyl	Ave	1645	1666		20.3	20.0	1.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.21	4.16	4.26
PCB-1016 Peak 2	4.43	4.38	4.48
PCB-1016 Peak 3	4.76	4.71	4.81
PCB-1016 Peak 4	4.89	4.84	4.94
PCB-1016 Peak 5	4.99	4.94	5.04
PCB-1260 Peak 1	9.52	9.47	9.57
PCB-1260 Peak 2	10.11	10.06	10.16
PCB-1260 Peak 3	10.84	10.79	10.89
PCB-1260 Peak 4	11.55	11.50	11.60
PCB-1260 Peak 5	11.84	11.79	11.89
Tetrachloro-m-xylene	3.36	3.31	3.41
DCB Decachlorobiphenyl	13.55	13.50	13.60

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	23.60	23.82		202	200	0.9	15.0
PCB-1016 Peak 2	Ave	41.88	40.68		194	200	-2.9	15.0
PCB-1016 Peak 3	Ave	70.05	67.51		193	200	-3.6	15.0
PCB-1016 Peak 4	Ave	27.28	26.93		197	200	-1.3	15.0
PCB-1016 Peak 5	Ave	21.45	21.37		199	200	-0.4	15.0
PCB-1260 Peak 1	Ave	17.21	17.90		208	200	4.0	15.0
PCB-1260 Peak 2	Ave	95.70	95.03		199	200	-0.7	15.0
PCB-1260 Peak 3	Ave	34.96	34.67		198	200	-0.8	15.0
PCB-1260 Peak 4	Ave	17.23	17.68		205	200	2.6	15.0
PCB-1260 Peak 5	Ave	43.82	42.57		194	200	-2.9	15.0
Tetrachloro-m-xylene	Ave	1172	1128		19.2	20.0	-3.8	15.0
DCB Decachlorobiphenyl	Ave	1581	1556		19.7	20.0	-1.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCVRT 200-5131/2 Calibration Date: 08/06/2010 10:50

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.94	3.89	3.99
PCB-1016 Peak 2	4.42	4.37	4.47
PCB-1016 Peak 3	4.95	4.90	5.00
PCB-1016 Peak 4	5.16	5.11	5.21
PCB-1016 Peak 5	5.33	5.28	5.38
PCB-1260 Peak 1	10.17	10.12	10.22
PCB-1260 Peak 2	11.41	11.36	11.46
PCB-1260 Peak 3	12.15	12.10	12.20
PCB-1260 Peak 4	12.87	12.82	12.92
PCB-1260 Peak 5	13.02	12.97	13.07
Tetrachloro-m-xylene	3.27	3.22	3.32
DCB Decachlorobiphenyl	13.80	13.75	13.85

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	34.93	34.31		196	200	-1.8	15.0
PCB-1016 Peak 2	Ave	34.48	34.12		198	200	-1.0	15.0
PCB-1016 Peak 3	Ave	66.34	65.93		199	200	-0.6	15.0
PCB-1016 Peak 4	Ave	37.53	37.24		198	200	-0.8	15.0
PCB-1016 Peak 5	Ave	25.62	26.11		204	200	1.9	15.0
PCB-1260 Peak 1	Ave	35.37	36.23		205	200	2.4	15.0
PCB-1260 Peak 2	Ave	36.36	36.79		202	200	1.2	15.0
PCB-1260 Peak 3	Ave	80.58	83.04		206	200	3.1	15.0
PCB-1260 Peak 4	Ave	46.05	47.49		206	200	3.1	15.0
PCB-1260 Peak 5	Ave	29.56	30.67		207	200	3.7	15.0
Tetrachloro-m-xylene	Ave	1348	1327		19.7	20.0	-1.5	15.0
DCB Decachlorobiphenyl	Ave	1645	1642		20.0	20.0	-0.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.22	4.16	4.26
PCB-1016 Peak 2	4.43	4.38	4.48
PCB-1016 Peak 3	4.76	4.71	4.81
PCB-1016 Peak 4	4.89	4.84	4.94
PCB-1016 Peak 5	4.99	4.94	5.04
PCB-1260 Peak 1	9.52	9.47	9.57
PCB-1260 Peak 2	10.11	10.06	10.16
PCB-1260 Peak 3	10.85	10.79	10.89
PCB-1260 Peak 4	11.55	11.50	11.60
PCB-1260 Peak 5	11.84	11.79	11.89
Tetrachloro-m-xylene	3.36	3.31	3.41
DCB Decachlorobiphenyl	13.55	13.50	13.60

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	23.60	23.86		202	200	1.1	15.0
PCB-1016 Peak 2	Ave	41.88	40.57		194	200	-3.1	15.0
PCB-1016 Peak 3	Ave	70.05	67.82		194	200	-3.2	15.0
PCB-1016 Peak 4	Ave	27.28	26.94		197	200	-1.3	15.0
PCB-1016 Peak 5	Ave	21.45	21.45		200	200	-0.0	15.0
PCB-1260 Peak 1	Ave	17.21	17.51		203	200	1.7	15.0
PCB-1260 Peak 2	Ave	95.70	95.33		199	200	-0.4	15.0
PCB-1260 Peak 3	Ave	34.96	35.02		200	200	0.2	15.0
PCB-1260 Peak 4	Ave	17.23	17.48		203	200	1.4	15.0
PCB-1260 Peak 5	Ave	43.82	44.85		205	200	2.3	15.0
Tetrachloro-m-xylene	Ave	1172	1159		19.8	20.0	-1.1	15.0
DCB Decachlorobiphenyl	Ave	1581	1607		20.3	20.0	1.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Lab Sample ID: CCV 200-5131/12 Calibration Date: 08/06/2010 15:44

Instrument ID: 3283.i Calib Start Date: 08/03/2010 16:37

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 08/03/2010 18:34

Lab File ID: 06aug101014-r121.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.94	3.89	3.99
PCB-1016 Peak 2	4.42	4.37	4.47
PCB-1016 Peak 3	4.95	4.90	5.00
PCB-1016 Peak 4	5.16	5.11	5.21
PCB-1016 Peak 5	5.33	5.28	5.38
PCB-1260 Peak 1	10.17	10.12	10.22
PCB-1260 Peak 2	11.41	11.36	11.46
PCB-1260 Peak 3	12.15	12.10	12.20
PCB-1260 Peak 4	12.87	12.82	12.92
PCB-1260 Peak 5	13.02	12.97	13.07
Tetrachloro-m-xylene	3.27	3.22	3.32
DCB Decachlorobiphenyl	13.80	13.75	13.85

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-978-1
SDG No.: KAL570
Client Sample ID:
Lab Sample ID: MB 200-4726/1-C
Matrix: Solid
Lab File ID: 06aug101014-r061.d
Analysis Method: 8082
Date Collected:
Extraction Method: 3550B
Date Extracted: 08/04/2010 12:15
Sample wt/vol: 30.09(g)
Date Analyzed: 08/06/2010 12:47
Con. Extract Vol.: 10000(uL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-5 ID: 0.25(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 5131
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	17	U	17	2.2
11104-28-2	PCB-1221	17	U	17	2.6
11141-16-5	PCB-1232	17	U	17	1.6
53469-21-9	PCB-1242	17	U	17	1.3
12672-29-6	PCB-1248	17	U	17	1.9
11097-69-1	PCB-1254	17	U	17	1.3
11096-82-5	PCB-1260	17	U	17	3.3
37324-23-5	PCB-1262	17	U	17	5.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	104	30-130	
2051-24-3	DCB Decachlorobiphenyl	107	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: Lab Sample ID: MB 200-4726/1-C

Matrix: Solid Lab File ID: 06aug101014-r061.d

Analysis Method: 8082 Date Collected:

Extraction Method: 3550B Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.09(g) Date Analyzed: 08/06/2010 12:47

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 Units: ug/Kg

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	103	30-130	
2051-24-3	DCB Decachlorobiphenyl	109	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-978-1

SDG No.: KAL570

Client Sample ID: | Lab Sample ID: LCS 200-4726/2-C

Matrix: Solid | Lab File ID: 06aug101014-r071.d

Analysis Method: 8082 | Date Collected:

Extraction Method: 3550B | Date Extracted: 08/04/2010 12:15

Sample wt/vol: 30.06(g) | Date Analyzed: 08/06/2010 13:17

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 5131 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	169		17	2.2
11104-28-2	PCB-1221	17	U	17	2.6
11141-16-5	PCB-1232	17	U	17	1.6
53469-21-9	PCB-1242	17	U	17	1.3
12672-29-6	PCB-1248	17	U	17	1.9
11097-69-1	PCB-1254	17	U	17	1.3
11096-82-5	PCB-1260	176		17	3.3
37324-23-5	PCB-1262	17	U	17	5.0

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	107	30-130	
2051-24-3	DCB Decachlorobiphenyl	114	45-125	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-978-1
SDG No.: KAL570
Client Sample ID:
Lab Sample ID: LCS 200-4726/2-C
Matrix: Solid
Lab File ID: 06aug101014-r071.d
Analysis Method: 8082
Date Collected:
Extraction Method: 3550B
Date Extracted: 08/04/2010 12:15
Sample wt/vol: 30.06(g)
Date Analyzed: 08/06/2010 13:17
Con. Extract Vol.: 10000(uL)
Dilution Factor: 1
Injection Volume: 1(uL)
GC Column: RTX-35 ID: 0.25(mm)
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 5131
Units: ug/Kg

CAS NO.	SURROGATE	%REC	LIMITS	Q
877-09-8	Tetrachloro-m-xylene	106	30-130	
2051-24-3	DCB Decachlorobiphenyl	111	45-125	

GC INSTRUMENT RUN LOG Batch 4772

Date: 8/3/10	Target Directory: 080310_1	Instrument ID: 3283	CH: 3 & 4	Report Information:
Analyst: DPD	Test Method: 8082	Column Type: RTX5		Page ( ) of ( )
Project(s): 080110	ICAL Date: 8/3/10	Column Type: RTX35		Column 1: 1680-1687
		Injection Volume 2 uL		Column 2: 1688-1695

Inj.#	Lab ID	BC	Analysis Filename/ Batch	ETR / SDG	Matrix	DF	QC check	Analyst	Comments
1	PIBLK-17135		03AUG101137						17135 PIBLK
2	PIBLK-17135								17135 PIBLK
3	PIBLK-17135								17135 PIBLK
4	IC-28402						✓	DPD/LMT	28402 AR1221 200PPB TALS Batch 4772
5	IC-28407								28407 AR1232 200PPB
6	IC-28412								28412 AR1242 200PPB
7	IC-28417								28417 AR1248 200PPB
8	IC-30265								30265 AR1254 200PPB
9	IC-30289								30289 AR1262 200PPB
10	IC-30294								30294 AR1268 200PPB
11	IC-30316								30316 AR1660 50PPB
12	IC-30315								30315 AR1660 100PPB
13	ICRT-30314								30314 AR1660 200PPB
14	IC-30313								30313 AR1660 400PPB
15	IC-30312								30312 AR1660 800PPB
16	PIBLK-17135								17135 PIBLK
17	ICV-30854								30854 AR1660 ICV

DPD 8/3/10

DPD 8/3/10

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

GC INSTRUMENT RUN LOG

Date: 8/3/10	Target Directory: 080310_1	Instrument ID: 3283	CH: 3 & 4		Report Information:
Analyst: DPD	Test Method: 8082	Column Type: RTX5			Page { } of { }
Project(s): 080110	ICAL Date: 8/3/10	Column Type: RTX35			
		Injection Volume 2 uL			

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
1	MB-200-4597/1	—	03AUG101156	927	W	1:1			
2	LCS-200-4597/2								
3	200-927-A-1								
4	200-927-A-2								
5	200-927-A-3								
6	CCV-30314			—	—	—			
	~~CCVRT-30314~~								DPD 8/4/10
1	PIBLK-17135	—	04AUG101637		—	—			
2	CCVRT-30314				—	—	✓	DPD/LMT	TALS Batch 4773
3	MB-200-4733/1-B			976	S	1:1			ND
4	LCS-200-4733/2-B					1:1			1016, 1260
5	200-976-A-2-C					1:10			- Carry 1:5
6	200-976-A-2-C					1:5			1248, 1254. 1260<RL
7	CCV-30314				—	—			
1	PIBLK-17135	-	06AUG101014	—	—	1:1			TALS Batch 4974
2	CCVRT-30314	-		-	—	1:1	✓	SKD	OK\OK RT Update
3	MB-200-4611/1-A	-		930	W	1:1	✓	SKD	ND
4	LCS-200-4611/3-A	-				1:1			1016, 1260
5	200-930-F-13-A	F				1:1			ND DCB Low ↓
6	MB-200-4726/1-B	-		978	S	1:1			ND
7	LCS-200-4726/2-B	-				1:1			1016, 1260
8	200-978-A-1-B	A				1:1			ND
9	MB-200-4618/1-A	-		930	S	1:1			ND
10	LCS-200-4618/2-A	-				1:1			1016, 1260
11	200-930-A-1-B	A				1:10			1248, 1254, 1260
12	CCV-30314	-		—	—	—	✓	SKD	OK\OK
									~~SKD 8-6-10~~

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Start Date: 08/03/2010 13:11

Analysis Batch Number: 4772 End Date: 08/03/2010 19:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 200-4772/1		08/03/2010 13:11	1	03aug101137-r04 1.d	RTX-5 0.25(mm)
IC 200-4772/1		08/03/2010 13:11	1	03aug101137-r04 1.d	RTX-35 0.25(mm)
IC 200-4772/2		08/03/2010 13:40	1	03aug101137-r05 1.d	RTX-5 0.25(mm)
IC 200-4772/2		08/03/2010 13:40	1	03aug101137-r05 1.d	RTX-35 0.25(mm)
IC 200-4772/3		08/03/2010 14:10	1	03aug101137-r06 1.d	RTX-5 0.25(mm)
IC 200-4772/3		08/03/2010 14:10	1	03aug101137-r06 1.d	RTX-35 0.25(mm)
IC 200-4772/4		08/03/2010 14:39	1	03aug101137-r07 1.d	RTX-5 0.25(mm)
IC 200-4772/4		08/03/2010 14:39	1	03aug101137-r07 1.d	RTX-35 0.25(mm)
IC 200-4772/5		08/03/2010 15:09	1	03aug101137-r08 1.d	RTX-5 0.25(mm)
IC 200-4772/5		08/03/2010 15:09	1	03aug101137-r08 1.d	RTX-35 0.25(mm)
IC 200-4772/6		08/03/2010 15:38	1	03aug101137-r09 1.d	RTX-5 0.25(mm)
IC 200-4772/6		08/03/2010 15:38	1	03aug101137-r09 1.d	RTX-35 0.25(mm)
IC 200-4772/7		08/03/2010 16:07	1		RTX-5 0.25(mm)
IC 200-4772/7		08/03/2010 16:07	1		RTX-35 0.25(mm)
IC 200-4772/8		08/03/2010 16:37	1	03aug101137-r11 1.d	RTX-5 0.25(mm)
IC 200-4772/8		08/03/2010 16:37	1	03aug101137-r11 1.d	RTX-35 0.25(mm)
IC 200-4772/9		08/03/2010 17:06	1	03aug101137-r12 1.d	RTX-5 0.25(mm)
IC 200-4772/9		08/03/2010 17:06	1	03aug101137-r12 1.d	RTX-35 0.25(mm)
ICRT 200-4772/10		08/03/2010 17:36	1	03aug101137-r13 1.d	RTX-5 0.25(mm)
ICRT 200-4772/10		08/03/2010 17:36	1	03aug101137-r13 1.d	RTX-35 0.25(mm)
IC 200-4772/11		08/03/2010 18:05	1	03aug101137-r14 1.d	RTX-5 0.25(mm)
IC 200-4772/11		08/03/2010 18:05	1	03aug101137-r14 1.d	RTX-35 0.25(mm)
IC 200-4772/12		08/03/2010 18:34	1	03aug101137-r15 1.d	RTX-5 0.25(mm)
IC 200-4772/12		08/03/2010 18:34	1	03aug101137-r15 1.d	RTX-35 0.25(mm)
ICV 200-4772/13		08/03/2010 19:33	1	03aug101137-r17 1.d	RTX-5 0.25(mm)
ICV 200-4772/13		08/03/2010 19:33	1	03aug101137-r17 1.d	RTX-35 0.25(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-978-1

SDG No.: KAL570

Instrument ID: 3283.i Start Date: 08/06/2010 10:20

Analysis Batch Number: 5131 End Date: 08/06/2010 15:44

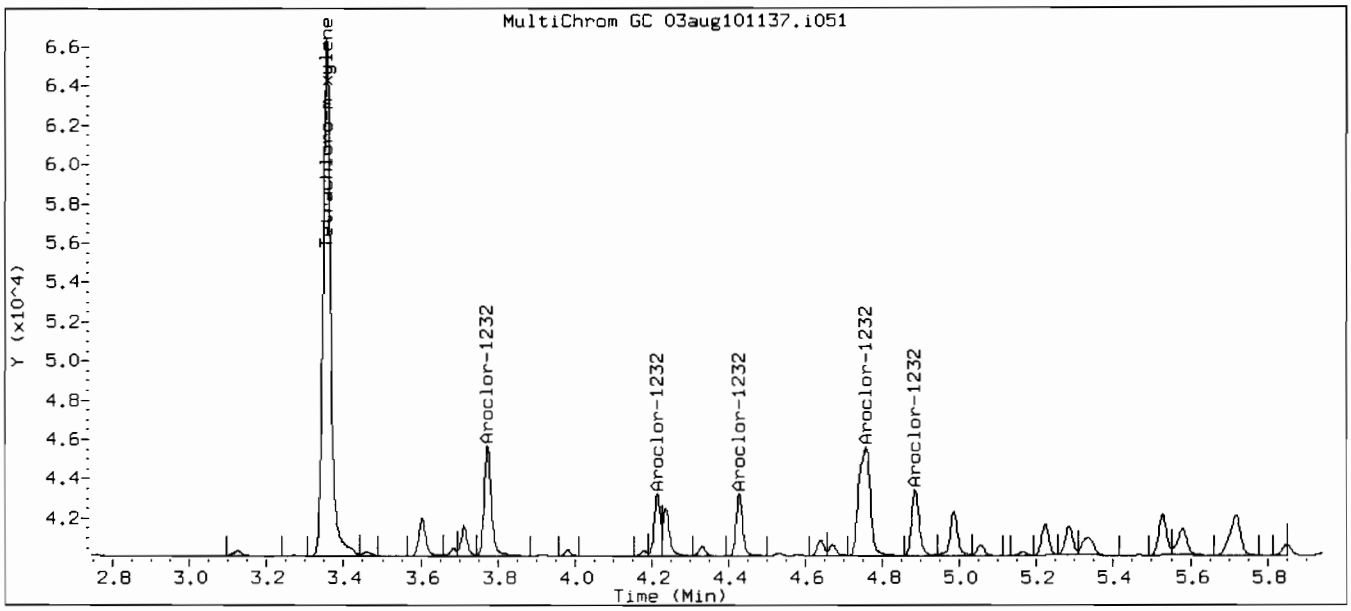
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 200-5131/1		08/06/2010 10:20	1		RTX-5 0.25(mm)
PIBLK 200-5131/1		08/06/2010 10:20	1		RTX-35 0.25(mm)
CCVRT 200-5131/2		08/06/2010 10:50	1	06aug101014-r02 1.d	RTX-5 0.25(mm)
CCVRT 200-5131/2		08/06/2010 10:50	1	06aug101014-r02 1.d	RTX-35 0.25(mm)
ZZZZZ		08/06/2010 11:19	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 11:19	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 11:48	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 11:48	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 12:18	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 12:18	1		RTX-35 0.25(mm)
MB 200-4726/1-C		08/06/2010 12:47	1	06aug101014-r06 1.d	RTX-5 0.25(mm)
MB 200-4726/1-C		08/06/2010 12:47	1	06aug101014-r06 1.d	RTX-35 0.25(mm)
LCS 200-4726/2-C		08/06/2010 13:17	1	06aug101014-r07 1.d	RTX-5 0.25(mm)
LCS 200-4726/2-C		08/06/2010 13:17	1	06aug101014-r07 1.d	RTX-35 0.25(mm)
200-978-1	TS10102	08/06/2010 13:46	1	06aug101014-r08 1.d	RTX-5 0.25(mm)
200-978-1	TS10102	08/06/2010 13:46	1	06aug101014-r08 1.d	RTX-35 0.25(mm)
ZZZZZ		08/06/2010 14:15	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 14:15	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 14:45	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 14:45	1		RTX-35 0.25(mm)
ZZZZZ		08/06/2010 15:14	1		RTX-5 0.25(mm)
ZZZZZ		08/06/2010 15:14	1		RTX-35 0.25(mm)
CCV 200-5131/12		08/06/2010 15:44	1	06aug101014-r12 1.d	RTX-5 0.25(mm)
CCV 200-5131/12		08/06/2010 15:44	1	06aug101014-r12 1.d	RTX-35 0.25(mm)

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r051.d
Client Sample ID: AR1232 200PPB
Compound Name: Aroclor-1232

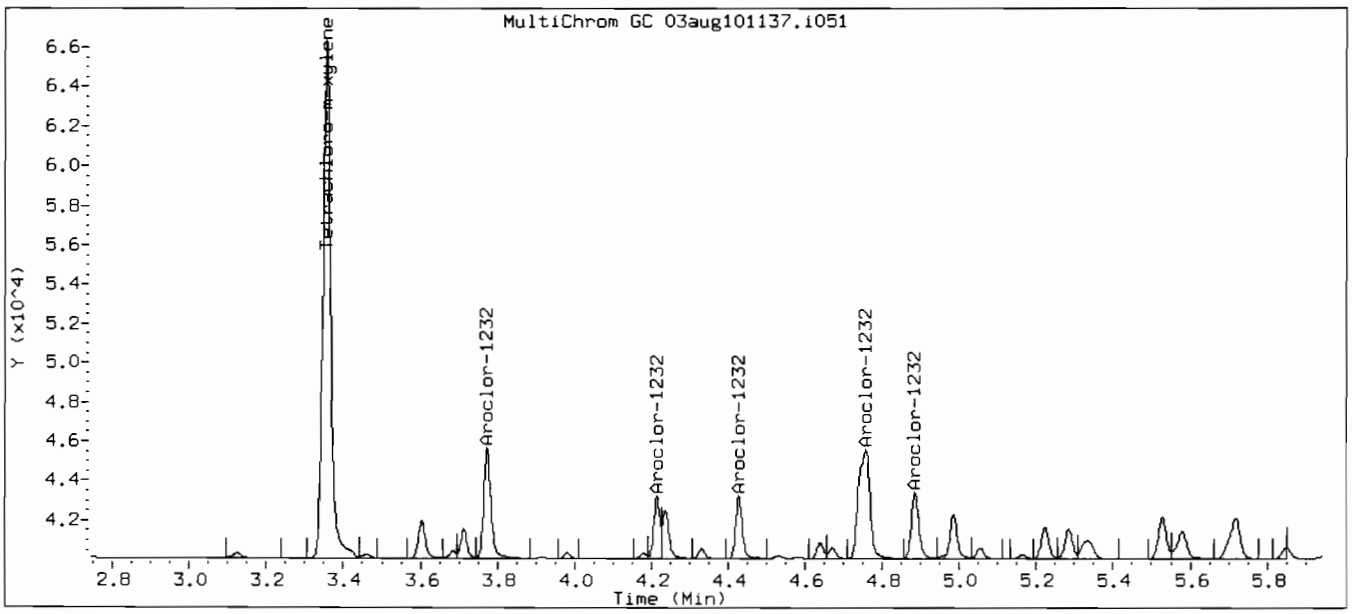
Inj. Date and Time: 03-AUG-2010 13:40
Instrument ID: 3283_1.i
CAS #: 11141-16-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:27



Original Integration:

RT = 3.7728 Height = 5559
RT = 4.2139 Height = 3149
RT = 4.4267 Height = 3148
RT = 4.7570 Height = 5508
RT = 4.8833 Height = 3309



Final Integration:

RT = 3.7728 Height = 5559
RT = 4.2139 Height = 3149
RT = 4.4267 Height = 3148
RT = 4.7570 Height = 5523
RT = 4.8833 Height = 3327

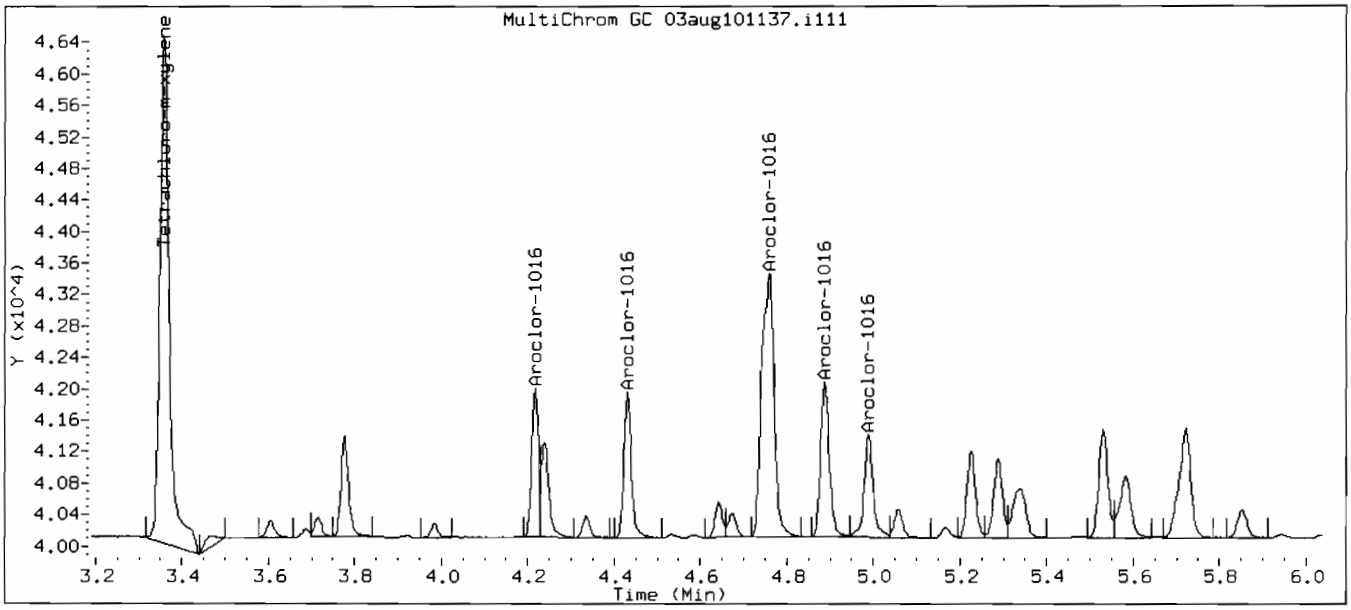
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r111.d
Client Sample ID: AR1660 50PPB
Compound Name: Aroclor-1016

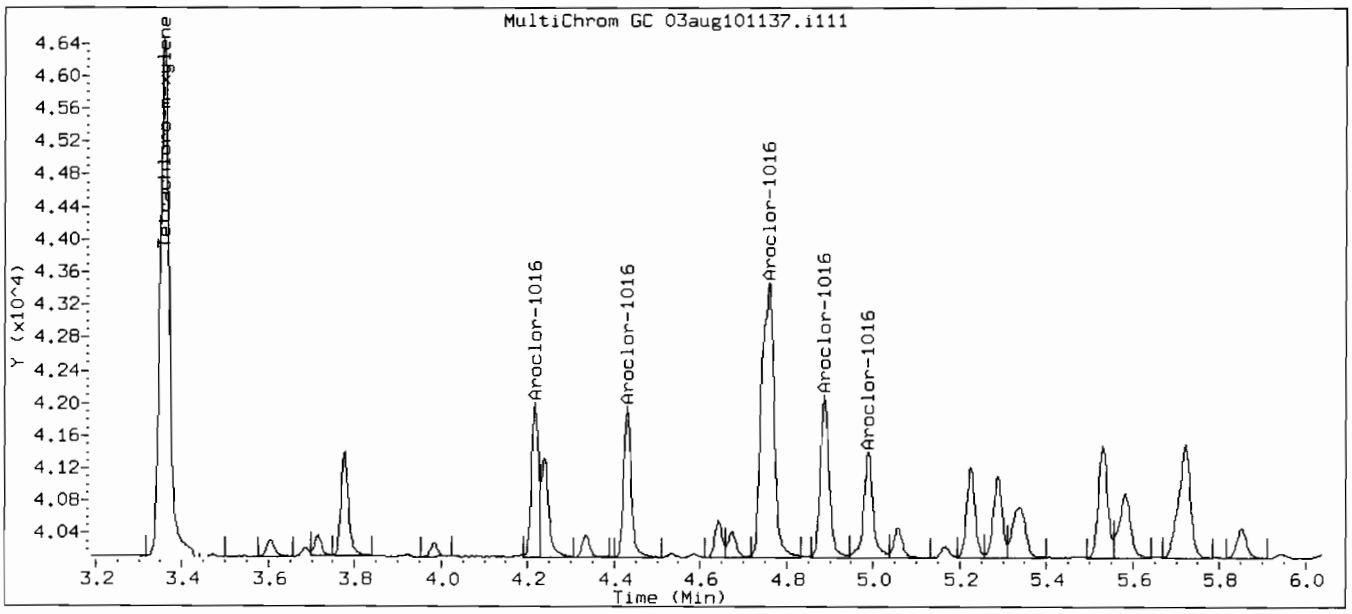
Inj. Date and Time: 03-AUG-2010 16:37
Instrument ID: 3283_1.i
CAS #: 12674-11-2

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 4.2161 Height = 1897
RT = 4.4311 Height = 1859
RT = 4.7592 Height = 3354
RT = 4.8877 Height = 1984
RT = 4.9875 Height = 1298



Final Integration:

RT = 4.2161 Height = 1909
RT = 4.4311 Height = 1859
RT = 4.7592 Height = 3365
RT = 4.8877 Height = 1994
RT = 4.9875 Height = 1307

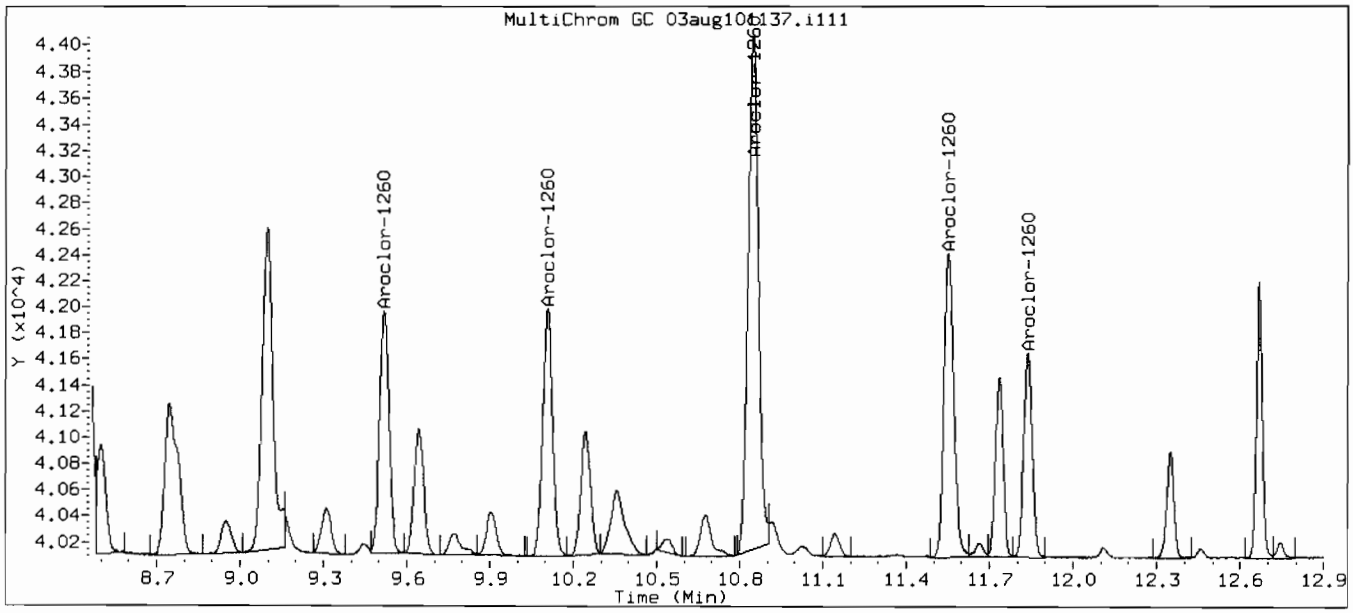
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r111.d
Client Sample ID: AR1660 50PPB
Compound Name: Aroclor-1260

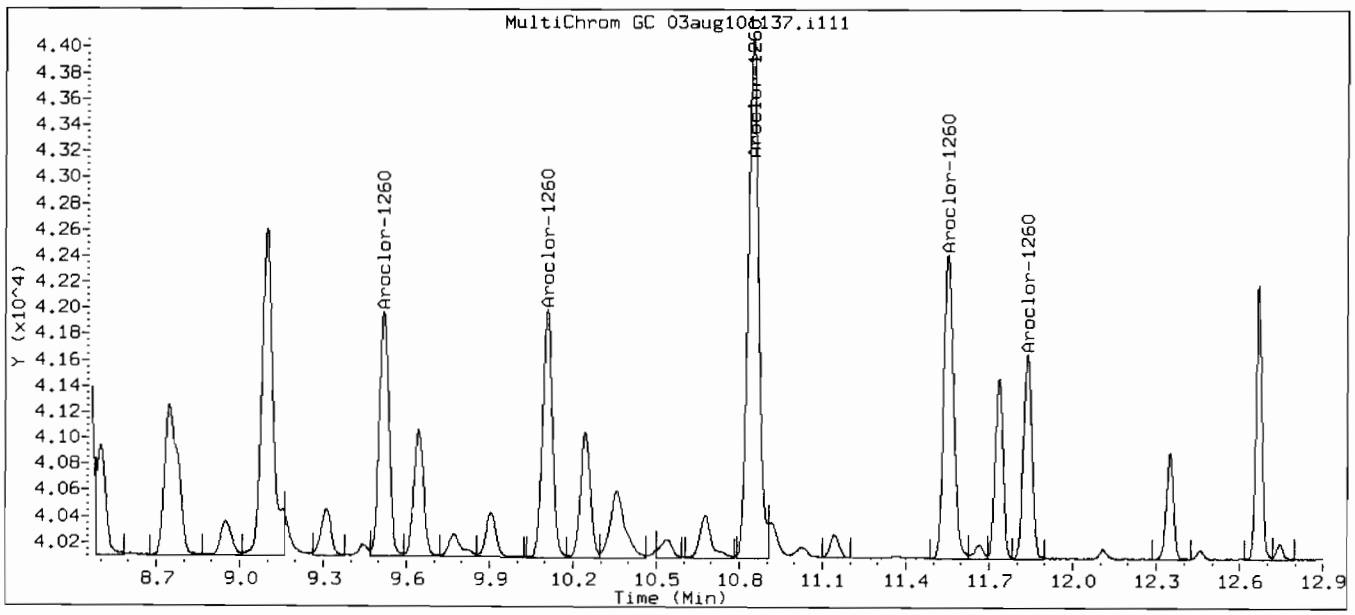
Inj. Date and Time: 03-AUG-2010 16:37
Instrument ID: 3283_1.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 9.5184 Height = 1858
RT = 10.1080 Height = 1893
RT = 10.8484 Height = 3912
RT = 11.5510 Height = 2331
RT = 11.8370 Height = 1563



Final Integration:

RT = 9.5184 Height = 1871
RT = 10.1058 Height = 1898
RT = 10.8484 Height = 3971
RT = 11.5510 Height = 2331
RT = 11.8370 Height = 1563

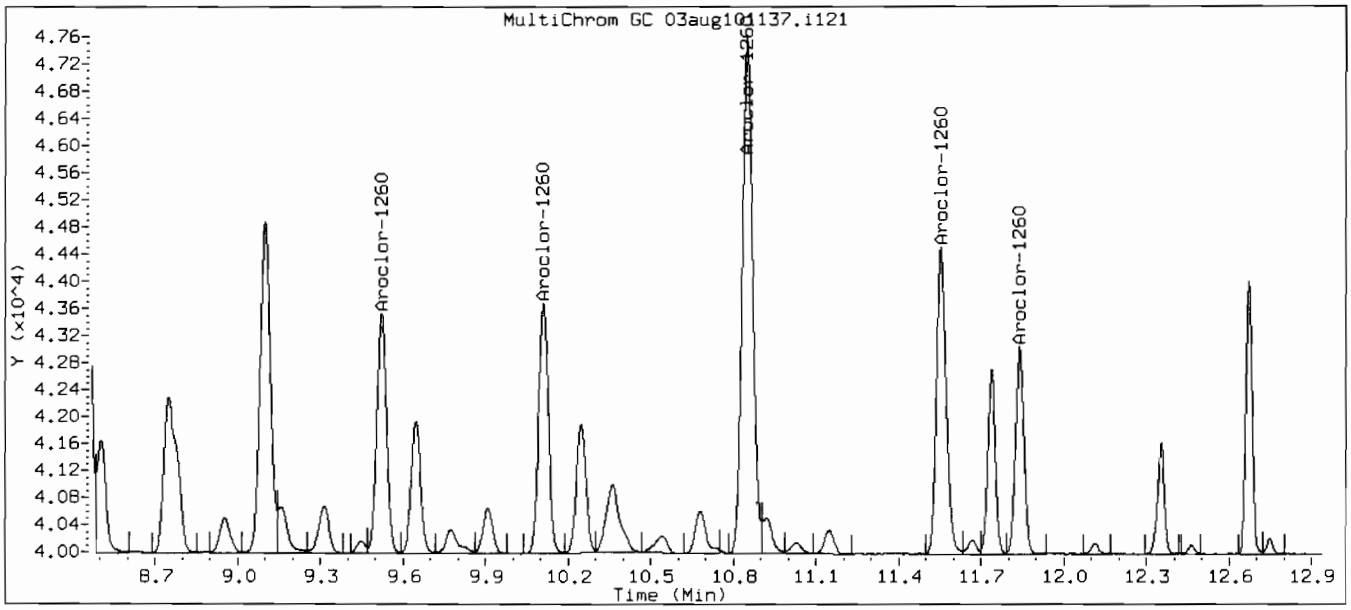
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r121.d
Client Sample ID: AR1660 100PPB
Compound Name: Aroclor-1260

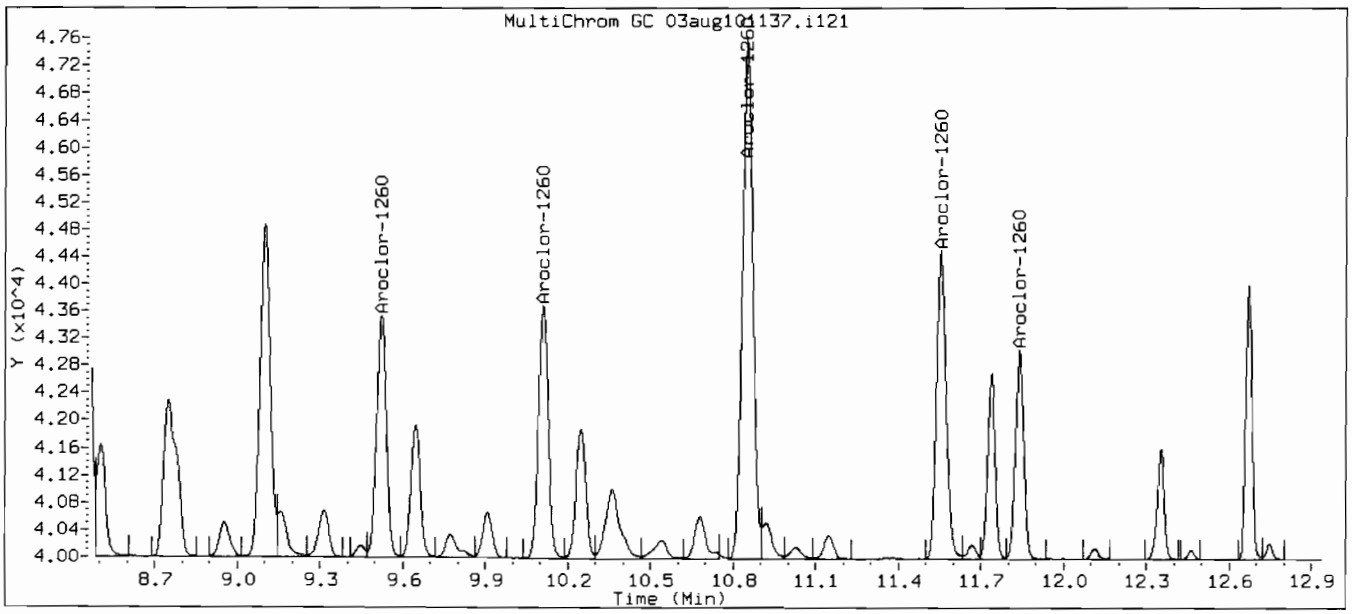
Inj. Date and Time: 03-AUG-2010 17:06
Instrument ID: 3283_1.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 9.5250 Height = 3539
RT = 10.1102 Height = 3697
RT = 10.8484 Height = 7622
RT = 11.5533 Height = 4524
RT = 11.8414 Height = 3066



Final Integration:

RT = 9.5250 Height = 3540
RT = 10.1102 Height = 3705
RT = 10.8484 Height = 7627
RT = 11.5533 Height = 4524
RT = 11.8414 Height = 3066

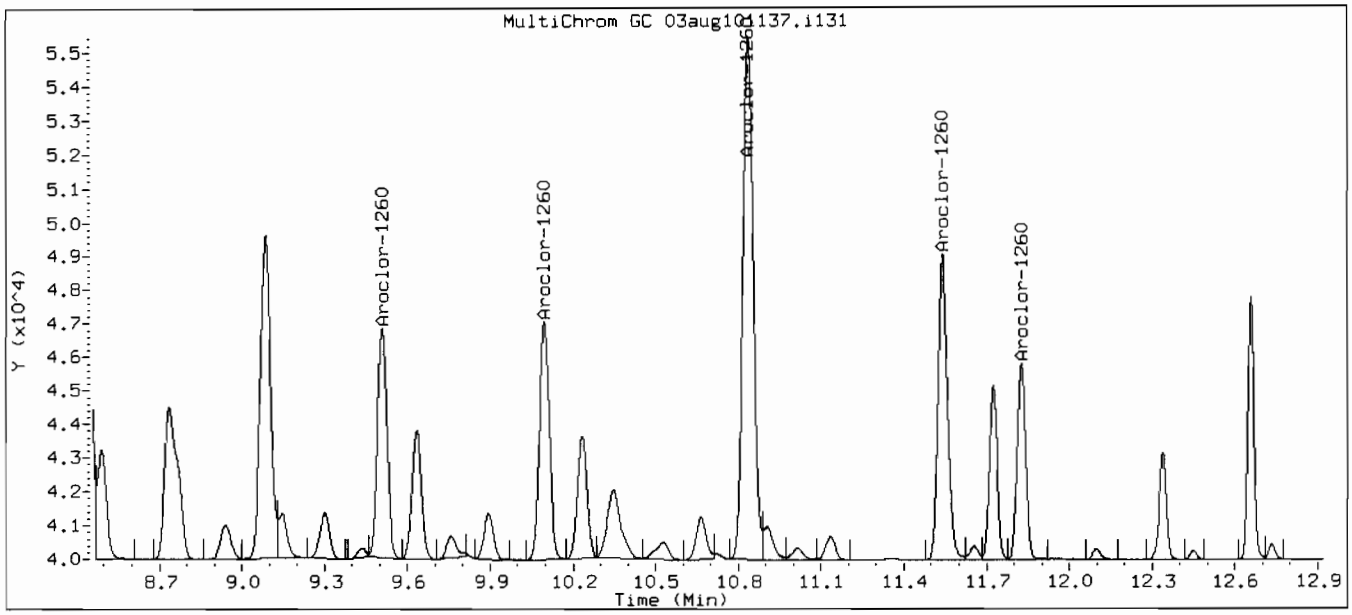
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r131.d
Client Sample ID: AR1660 200PPB
Compound Name: Aroclor-1260

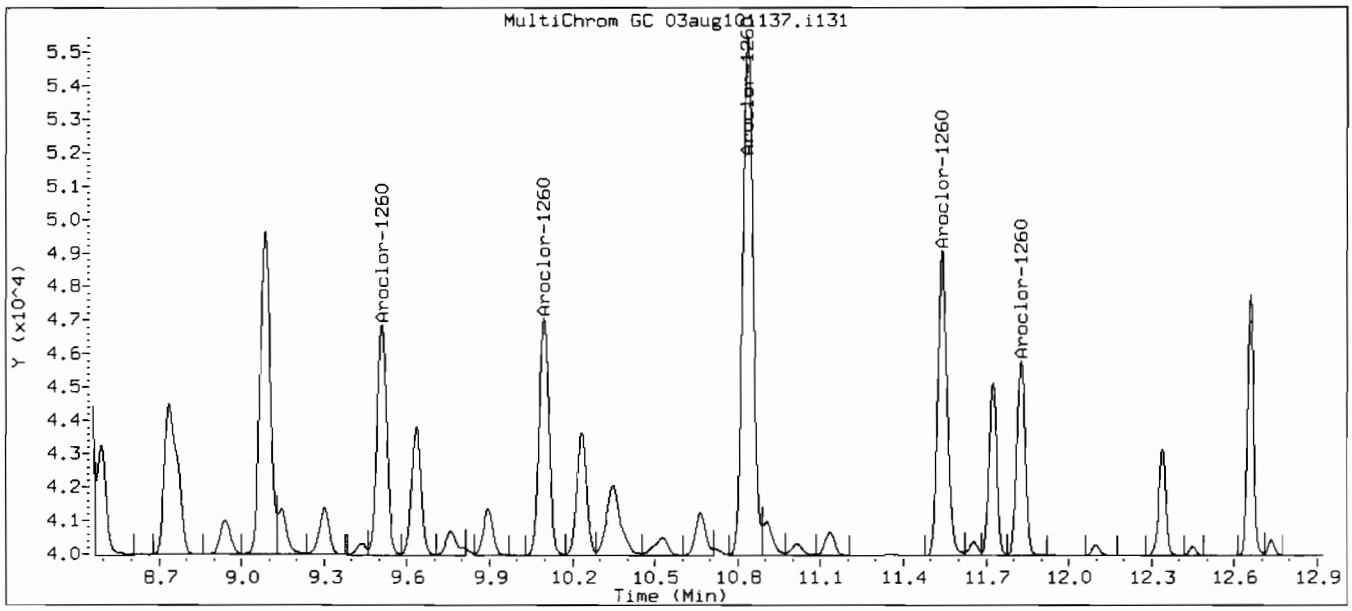
Inj. Date and Time: 03-AUG-2010 17:36
Instrument ID: 3283_1.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:28



Original Integration:

RT = 9.5095 Height = 6828
RT = 10.0969 Height = 7075
RT = 10.8351 Height = 15429
RT = 11.5400 Height = 9084
RT = 11.8259 Height = 5800



Final Integration:

RT = 9.5095 Height = 6893
RT = 10.0969 Height = 7089
RT = 10.8351 Height = 15436
RT = 11.5400 Height = 9084
RT = 11.8259 Height = 5800

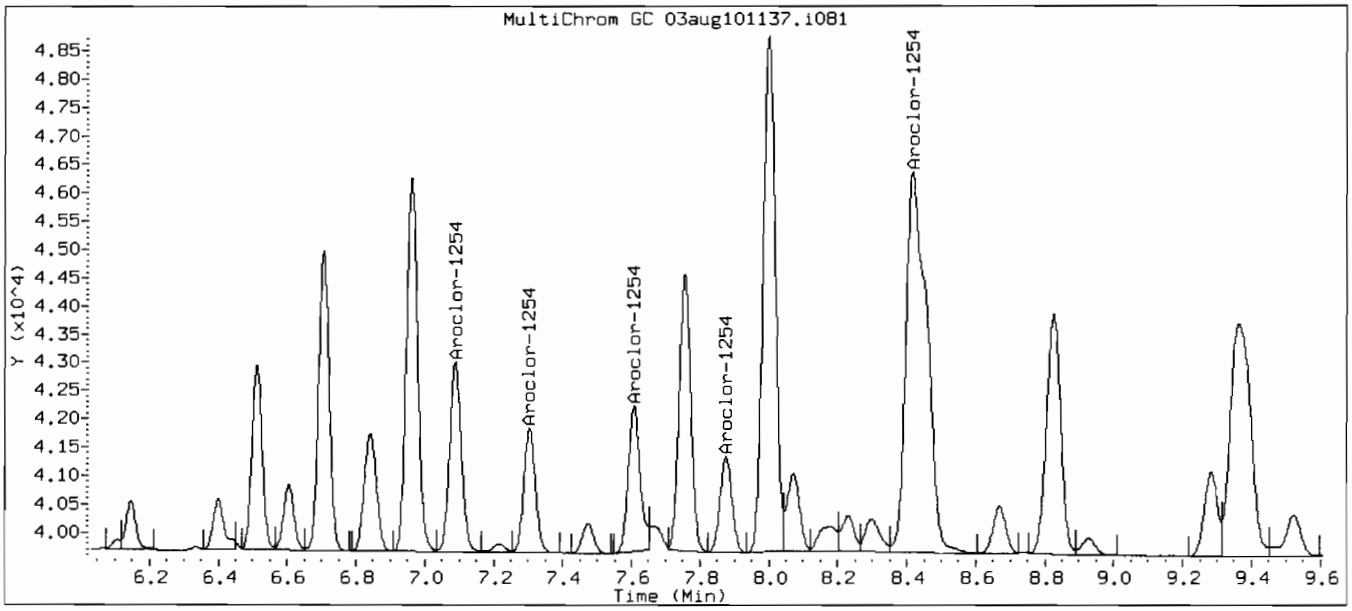
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r081.d
Client Sample ID: AR1254 200PPB
Compound Name: Aroclor-1254

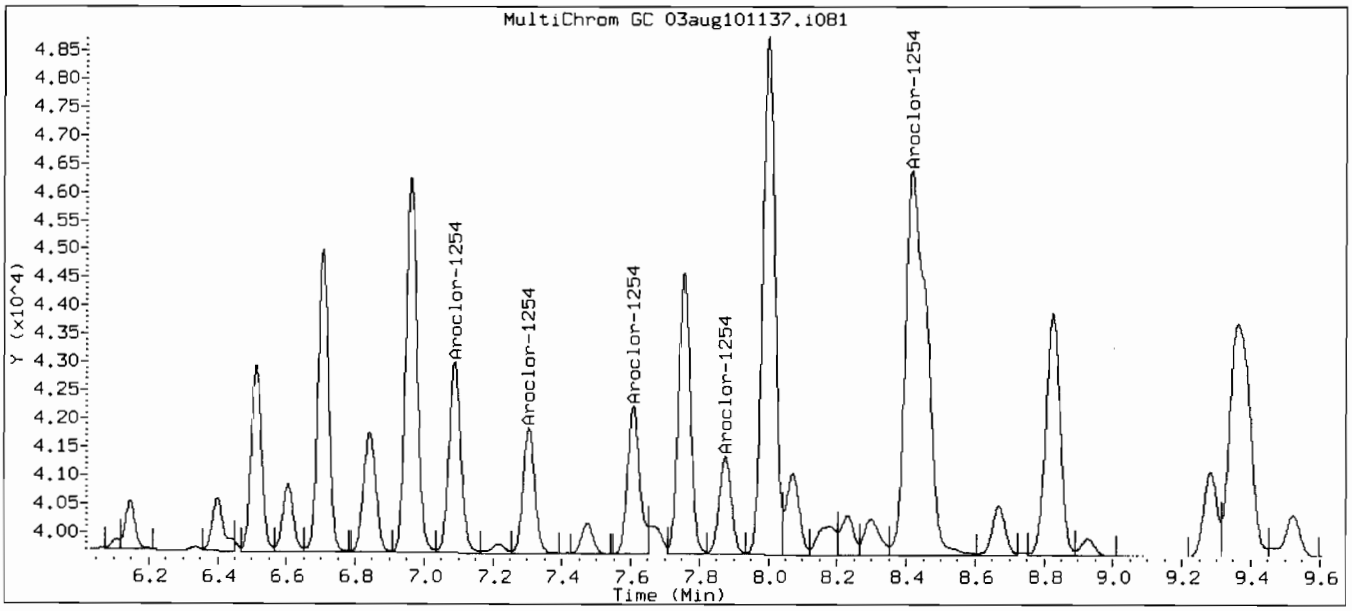
Inj. Date and Time: 03-AUG-2010 15:09
Instrument ID: 3283_2.i
CAS #: 11097-69-1

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:32



Original Integration:

RT = 7.0889 Height = 3353
RT = 7.3039 Height = 2206
RT = 7.6076 Height = 2565
RT = 7.8758 Height = 1686
RT = 8.4167 Height = 6722



Final Integration:

RT = 7.0889 Height = 3367
RT = 7.3039 Height = 2217
RT = 7.6076 Height = 2612
RT = 7.8758 Height = 1715
RT = 8.4167 Height = 6766

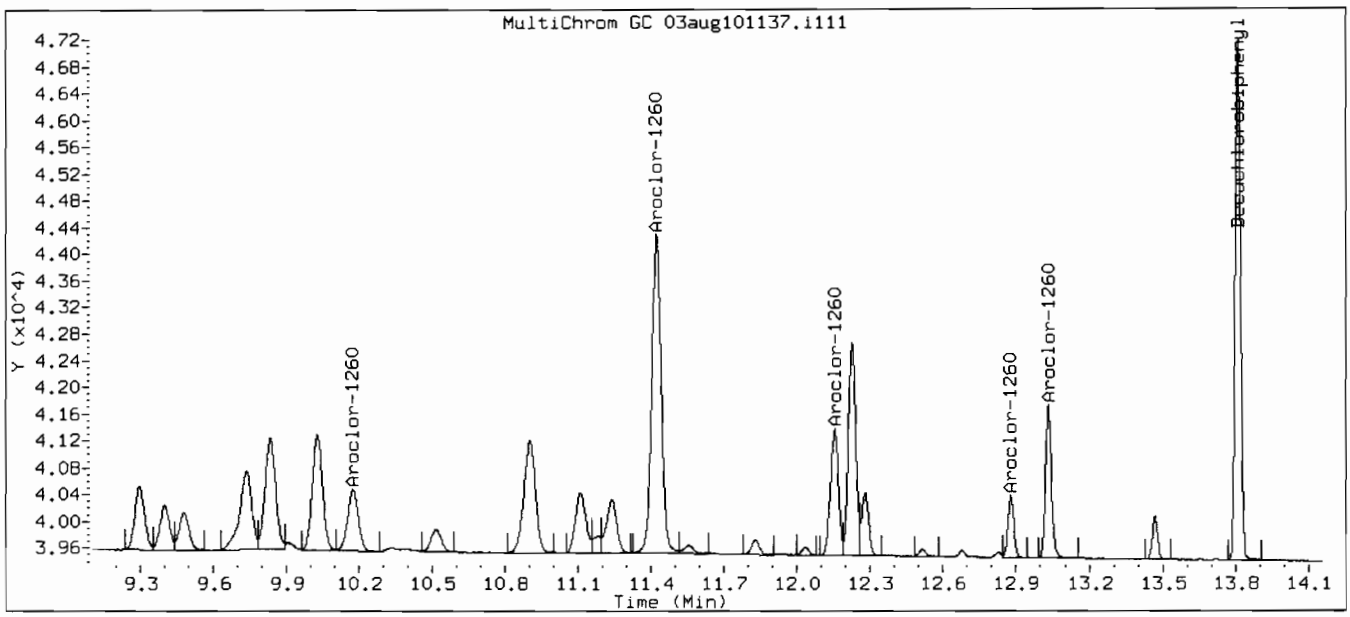
Manual Integration Reason: Baseline event

MANUAL INTEGRATION REPORT

Data File Name: 03aug101137-r111.d
Client Sample ID: AR1660 50PPB
Compound Name: Aroclor-1260

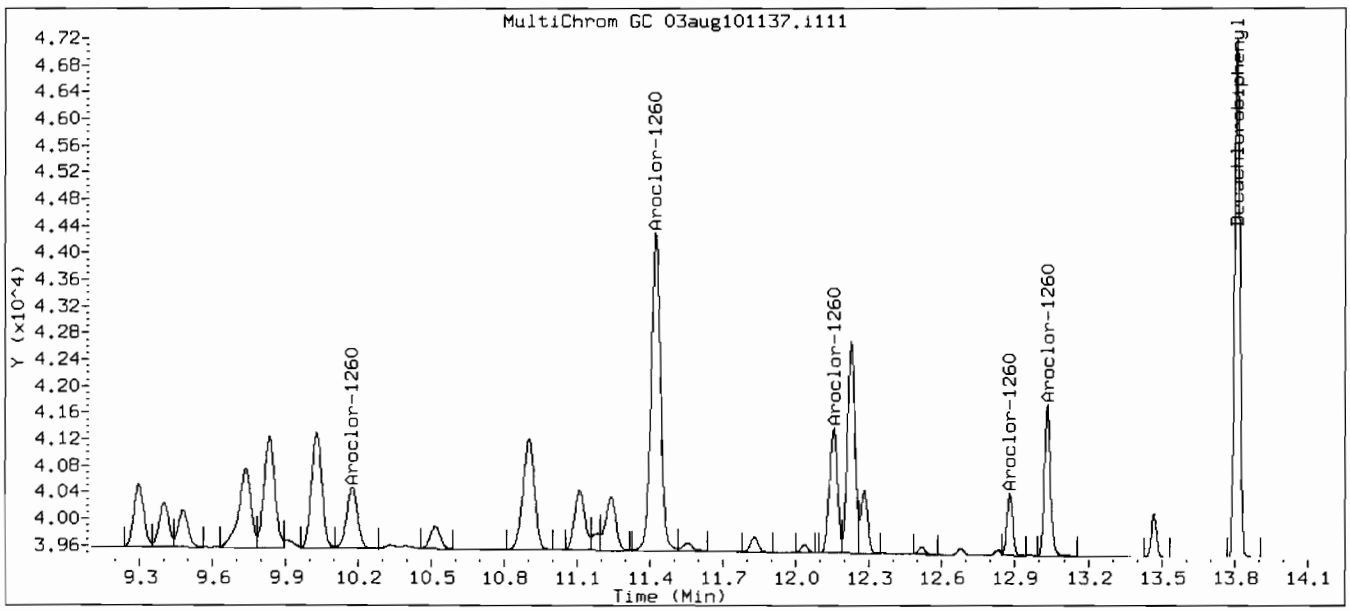
Inj. Date and Time: 03-AUG-2010 16:37
Instrument ID: 3283_2.i
CAS #: 11096-82-5

Target Version: Target 3.50
Report Version: 1.1
Report Date: 08/05/2010 09:32



Original Integration:

RT = 10.1767 Height = 916
RT = 11.4225 Height = 4782
RT = 12.1562 Height = 1888
RT = 12.8788 Height = 927
RT = 13.0318 Height = 2286



Final Integration:

RT = 10.1767 Height = 925
RT = 11.4225 Height = 4782
RT = 12.1562 Height = 1888
RT = 12.8788 Height = 927
RT = 13.0318 Height = 2286

Manual Integration Reason: Baseline event

Organic Prep Worksheet

Batch Number: 200-4726
Method: 3550B
Analyst: Nye, Elizabeth A

Date Open: Aug 04 2010 12:15PM
Batch End: Aug 04 2010 12:27PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00005	EX8081SUw_00008
MB~200-4726/1		3550B, 3660B, 8082		30.09 g	10000 uL		1.0 mL
LCS~200-4726/2		3550B, 3660B, 8082		30.06 g	10000 uL	1.0 mL	1.0 mL
200-978-A-1	TS10102	3550B, 3660B, 8082	T	30.43 g	10000 uL		1.0 mL

Prep Solvent Volume Used:	300 mL mL
Person's name who did the concentration:	Elizabeth Nye
Person's name who witnessed reagent drop:	JoAnna Tebbetts
Na2SO4 Lot Number:	28637
Concentration Start Time:	1235
Concentration End Time:	1320
Balance ID:	L92017
Prep Solvent Name:	Acetone : Hexane
Prep Solvent Lot #:	30863 : 22044
Exchange Solvent Name:	Hexane
Exchange Solvent Lot #:	22044
Blank Soil Lot Number:	28637

Organic Prep Worksheet

Batch Number: 200-4743
Method: 3660B
Analyst: Nye, Elizabeth A

Date Open: Aug 04 2010 2:20PM
Batch End: Aug 04 2010 2:24PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Copper_S_00013
MB~200-4726/1-B				2 mL	2 mL	2 g
LCS~200-4726/2-B				2 mL	2 mL	2 g
200-978-A-1-B	TS10102		T	2 mL	2 mL	2 g

Shipping and Receiving Documents

FedEx Express US Airbill

8700 8383 4770 0200

FedEx Retrieve Copy

1 From

Date

Sender's FedEx Account Number

Sender's Name

Phone

Company

Address

City

State

ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name

Phone

Company

HOLD Weekday

HOLD Saturday

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes

Address

Print FedEx location address here if a HOLD option is selected

City

State

ZIP

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CHAIN OF CUSTODY & LABORATORY ANALYSIS REQUEST FORM

eCOC ID: 092409.1

Send Results To:

Contact & Company Name: Eric Hritsuk	Telephone: 312-575-3732
Address: 10 S. Riverside Plaza, Suite 1900	Fax: 312-575-3700
City State Zip: Chicago, IL 60606	E-mail Address: eric.hritsuk@arcadis-us.com
Project Name/Location (City, State): Plainwell Dam No. 2 TCRA	Project #: B0064536.0001.00002
Sampler's Printed Name: Michael Kohagen	Sampler's Signature: [signature]

Preservative	E
Filtered (✓)	
# of Containers	~~2~~ 1
Container Information	8

PARAMETER ANALYSIS & METHOD

Sample ID	Collection Date	Collection Time	Type Comp	Type Grab	Matrix		Total PCB								REMARKS
TS10102	8/3/10	1130	x		S		X								
~~[illegible]~~	~~[illegible]~~		~~[illegible]~~		~~[illegible]~~		~~X~~								

MK 8/3/10

KEYS

Preservation Key:
A. H_2SO_4
B. HCL
C. NaOH
D. HNO_3
E. None
F.
G.
H.

Container Information Key:
1. 40 mL VOA
2. 1 L Amber
3. 125 mL Plastic
4. 250 mL Plastic
5. 500 mL Plastic
6. 1 L Plastic
7. 2 oz. Glass
8. 4 oz. Glass
9. 8 oz. Glass
10.

Matrix Key:
SE = Sediment A = Air SL = Sludge
SO = Soil NL = NAPL / Oil SW = Surface

Special Instructions/Comments:

☐ Special QA/QC Instructions (✓)

Laboratory Information and Receipt		Relinquished By	Received By	Laboratory Received By
Lab Name: TEST AMERCIA LABS	Cooler Custody Seal	Printed Name: M. Rumler	Printed Name:	Printed Name: Greg Marion
☑ Cooler packed with ice (✓)	☐ Intact ☐ Not Intact	Signature: [signature]	Signature:	Signature: [signature]
Specify Turnaround Requirements: STANDARD	Sample Receipt:	Firm: ARCADIS	Firm:	Firm: TA
Fed-Ex Tracking #: 0	Condition/Cooler Temp:	Date/Time: 080310 / 1630	Date/Time:	Date/Time: 8/4/10, 030

Login Sample Receipt Check List

Client: ARCADIS

Job Number: 200-978-1
SDG Number: KAL570

Login Number: 978
Creator: Marion, Greg T
List Number: 1

List Source: TestAmerica Burlington

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.7ºC IR gun ID 96, CF= -1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	