TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

ORELAP#: OR100021

September 29, 2010

Jason Smith
Blount, Inc. (Carlton Company)
P.O. Box 22127
Portland, OR 97269-2127

RE: Main

Enclosed are the results of analyses for samples received by the laboratory on 09/17/10 13:20. The following list is a summary of the Work Orders contained in this report, generated on 09/29/10 20:19.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
PTI0589	Main	PO# 5500000598

TestAmerica Portland

Estella K Rieben

Estella Rieben, Project Manager

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Blount, Inc. (Carlton Company)	Project Name:	**Main**	
P.O. Box 22127	Project Number:	PO# 5500000598	Report Created:
Portland, OR 97269-2127	Project Manager:	Jason Smith	09/29/10 20:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
696	PTI0589-01	Water	09/17/10 10:45	09/17/10 13:20

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Estella K Rieben

Estella Rieben, Project Manager

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BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Blount, Inc. (Carlton Company)	Project Name:	**Main**	
P.O. Box 22127	Project Number:	PO# 5500000598	Report Created:
Portland, OR 97269-2127	Project Manager:	Jason Smith	09/29/10 20:19

Volatile Organic Compounds per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PTI0589-01 (696)			**Water**			**Sampled: 09/17/10 10:45**				
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	10I0701	09/23/10 06:41	09/23/10 12:21	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	ND	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

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Blount, Inc. (Carlton Company)	Project Name: **Main**	
P.O. Box 22127	Project Number: PO# 5500000598	Report Created:
Portland, OR 97269-2127	Project Manager: Jason Smith	09/29/10 20:19

Volatile Organic Compounds per EPA Method 8260B

TestAmerica Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PTI0589-01 (696)			**Water**				**Sampled: 09/17/10 10:45**			
cis-1,3-Dichloropropene	EPA 8260B	ND	-----	1.00	ug/l	1x	10I0701	09/23/10 06:41	09/23/10 12:21	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	

Surrogate(s):	*Dibromofluoromethane*	*105%*	*80 - 120 %*	"	"
	1,2-DCA-d4	*103%*	*80 - 120 %*	"	"
	Toluene-d8	*102%*	*80 - 120 %*	"	"
	4-BFB	*104%*	*80 - 120 %*	"	"

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Blount, Inc. (Carlton Company)	Project Name:	**Main**	
P.O. Box 22127	Project Number:	PO# 5500000598	Report Created:
Portland, OR 97269-2127	Project Manager:	Jason Smith	09/29/10 20:19

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 10I0701 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (10I0701-BLK1)							**Extracted: 09/23/10 06:41**							
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	09/23/10 10:24	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

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Blount, Inc. (Carlton Company)	Project Name: **Main**	
P.O. Box 22127	Project Number: PO# 5500000598	Report Created:
Portland, OR 97269-2127	Project Manager: Jason Smith	09/29/10 20:19

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 10I0701 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (10I0701-BLK1)							**Extracted: 09/23/10 06:41**							
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	--	--	--	--	--	--	09/23/10 10:24	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	

Surrogate(s):	*Dibromofluoromethane*	*Recovery:*	*105%*	*Limits:*	*80-120%*	*" 09/23/10 10:24*
	1,2-DCA-d4		*108%*		*80-120%*	*" "*
	Toluene-d8		*106%*		*80-120%*	*" "*
	4-BFB		*105%*		*80-120%*	*" "*

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Blount, Inc. (Carlton Company)	Project Name: **Main**	
P.O. Box 22127	Project Number: PO# 5500000598	Report Created:
Portland, OR 97269-2127	Project Manager: Jason Smith	09/29/10 20:19

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica Portland

QC Batch: 10I0701 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (10I0701-BS1)							**Extracted: 09/23/10 06:41**							
Benzene	EPA 8260B	19.8	---	1.00	ug/l	1x	--	20.0	98.9%	(80-120)	--	--	09/23/10 08:58	
Chlorobenzene	"	20.1	---	1.00	"	"	--	"	100%	(80-124)	--	--	"	
1,1-Dichloroethene	"	19.0	---	1.00	"	"	--	"	95.1%	(78-120)	--	--	"	
Toluene	"	20.0	---	1.00	"	"	--	"	99.8%	(80-124)	--	--	"	
Trichloroethene	"	18.2	---	1.00	"	"	--	"	91.2%	(80-132)	--	--	"	
Surrogate(s): Dibromofluoromethane		*Recovery: 99.0%*			*Limits: 80-120%*	"							*09/23/10 08:58*	
1,2-DCA-d4		*97.6%*			*80-120%*	"							"	
Toluene-d8		*104%*			*80-120%*	"							"	
4-BFB		*104%*			*80-120%*	"							"	
LCS Dup (10I0701-BSD1)							**Extracted: 09/23/10 06:41**							
Benzene	EPA 8260B	19.3	---	1.00	ug/l	1x	--	20.0	96.4%	(80-120)	2.61%	(25)	09/23/10 09:30	
Chlorobenzene	"	19.6	---	1.00	"	"	--	"	97.8%	(80-124)	2.62%	"	"	
1,1-Dichloroethene	"	17.5	---	1.00	"	"	--	"	87.4%	(78-120)	8.38%	"	"	
Toluene	"	19.6	---	1.00	"	"	--	"	97.8%	(80-124)	2.07%	"	"	
Trichloroethene	"	17.9	---	1.00	"	"	--	"	89.6%	(80-132)	1.77%	"	"	
Surrogate(s): Dibromofluoromethane		*Recovery: 102%*			*Limits: 80-120%*	"							*09/23/10 09:30*	
1,2-DCA-d4		*100%*			*80-120%*	"							"	
Toluene-d8		*106%*			*80-120%*	"							"	
4-BFB		*103%*			*80-120%*	"							"	

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Estella Rieben, Project Manager

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ph: (503) 906.9200 fax: (503) 906.9210

Blount, Inc. (Carlton Company)	Project Name:	**Main**	
P.O. Box 22127	Project Number:	PO# 5500000598	Report Created:
Portland, OR 97269-2127	Project Manager:	Jason Smith	09/29/10 20:19

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET	-	Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
ND	-	Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
NR/NA	-	Not Reported / Not Available
dry	-	Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
wet	-	Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
RPD	-	RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
MRL	-	METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
MDL*	-	METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
Dil	-	Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
Reporting Limits	-	Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
Electronic Signature	-	Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

TestAmerica Portland

Estella Rieben, Project Manager

CERTIFICATION SUMMARY

TestAmerica Portland

Method	Matrix	Oregon
EPA 8260B	Water	X

Estella K Rieben

Estella Rieben, Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ✓
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PT10589

CLIENT: Blount

REPORT TO: jason.smith@oregonchain.com
ADDRESS:
PHONE: 503-653-4228 FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY:

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME			MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	696	9-17-10, 10:45	✓		W	3	Preserved w/ HCl	
2								
3								
4								
5								
6								
7								
8								
9								
10								

RELEASED BY: [signature] DATE: 9-17-10
PRINT NAME: Jason Smith FIRM: Blount TIME: 12:40
RECEIVED BY: [signature] DATE: 9/17/10
PRINT NAME: Bob F FIRM: TAP TIME: 12:40

RELEASED BY: [signature] DATE: 9/17/10
PRINT NAME: Bob F FIRM: TAP TIME: 13:20
RECEIVED BY: [signature] DATE: 9/17/10
PRINT NAME: [signature] FIRM: TAP TIME: 1320

ADDITIONAL REMARKS:

TEMP: 3.4

COC REV 09/2004

TestAmerica Portland

Sample Receiving Checklist

Work Order #: PT10589 Date/Time Received: 9/17/10 1320

Client Name and Project: Blount

Time Zone:
☐EDT/EST ☐CDT/CST ☐MDT/MST ☑PDT/PST ☐AK ☐OTHER

Unpacking Checks:

Cooler #(s): 1
Temperatures: 3.4

Digi #1 ☐ Digi #2 ☐ IR Gun ☑ (☑Plastic ☐Glass)

Temperature out of Range:

__Not enough or No Ice
__Ice Melted
__W/in 4 Hrs of collection
__Other:

Initials: JM

N/A	Yes	No	
☑	☐	☐	1. If ESI client, were temp blanks received? If no, document on NOD.
☑	☐	☐	2. Cooler Seals intact? (N/A if hand delivered) if no, document on NOD.
	☑	☐	3. Chain of Custody present? If no, document on NOD.
	☑	☐	4. Bottles received intact? If no, document on NOD.
	☑	☐	5. Sample is not multiphasic? If no, document on NOD.
	☑	☐	6. Proper Container and preservatives used? If no, document on NOD.
☑	☐	☐	7. pH of all samples checked and meet requirements? If no, document on NOD.
☑	☐	☐	8. Cyanide samples checked for sulfides and meet requirements? If no, notify PM.
☑	☐	☐	9. HF Dilution required?
	☑	☐	10. Sufficient volume provided for all analysis? If no, document on NOD and consult PM before proceeding.
	☑	☐	11. Did chain of custody agree with samples received? If no, document on NOD.
	☐	☑	12. Is the "Sampled by" section of the COC completed?
☐	☑	☐	13. Were VOA/Oil Syringe samples without headspace?
☐	☑	☐	14. Were VOA vials preserved? ☑HCl ☐Sodium Thiosulfate ☐Ascorbic Acid
	☐	☑	15. Did samples require preservation with sodium thiosulfate?
☑	☐	☐	16. If yes to #15, was the residual chlorine test negative? If no, document on NOD.
☑	☐	☐	17. Are dissolved/field filtered metals bottles sediment-free? If no, document on NOD.
☑	☐	☐	18. Is sufficient volume provided for client requested MS/MSD or matrix duplicates? If no, document on NOD and contact PM before proceeding.
☑	☐	☐	19. Are analyses with short holding times received in hold?
	☑	☐	20. Was Standard Turn Around (TAT) requested?
	☑	☐	21. Receipt date(s) < 48 hours past the collection date(s)? If no, notify PM.

TestAmerica Portland

Sample Receiving Checklist

Work Order #: PT10589

Login Checks:

Initials: JM

N/A	Yes	No	
	☑	☐	22. Sufficient volume provided for all analysis? If no, document on NOD & contact PM.
☑	☐	☐	23. Sufficient volume provided for client requested MS/MSD or matrix duplicates? If no, document on NOD and contact PM.
	☑	☐	24. Did the chain of custody include "received by" and "relinquished by" signatures, dates and times?
☐	☑	☐	25. Were special log in instructions read and followed?
	☑	☐	26. Were tests logged checked against the COC?
☑	☐	☐	27. Were rush notices printed and delivered?
☑	☐	☐	28. Were short hold notices printed and delivered?
☑	☐	☐	29. Were subcontract COCs printed?
☑	☐	☐	30. Was HF dilution logged?

Labeling and Storage Checks:

Initials: JM

N/A	Yes	No	
☑	☐	☐	31. Were the subcontracted samples/containers put in Sx fridge?
☑	☐	☐	32. Were sample bottles and COC double checked for dissolved/filtered metals?
	☑	☐	33. Did the sample ID, Date, and Time from label match what was logged?
☑	☐	☐	34. Were Foreign sample stickers affixed to each container and containers stored in foreign fridge?
☑	☐	☐	35. Were HF stickers affixed to each container, and containers stored in Sx fridge?
☑	☐	☐	36. Was an NOD for created for noted discrepancies and placed in folder?

Document any problems or discrepancies and the actions taken to resolve them on a Notice of Discrepancy form (NOD).

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503) 906-9200

TestAmerica Job ID: PTK0774
TestAmerica Sample Delivery Group: PTK0774
Client Project/Site: PO# 5500001192
Client Project Description: Main

For:
Blount, Inc. (Carlton Company)
P.O. Box 22127
Portland, OR 97269-2127

Attn: Steve Goodfellow

Estella K Rieben

Authorized for release by:
12/7/2010 6:08 PM

Estella Rieben
Project Manager
Estella.Rieben@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Sample Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PTK0774

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
PTK0774-01	#700	Water	11/19/10 08:00	11/19/10 12:00

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PTK0774
SDG: PTK0774

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Detection Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PTK0774
SDG: PTK0774

Client Sample ID: #700 **Lab Sample ID: PTK0774-01**

No Detections.

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B

Client Sample ID: #700
Date Collected: 11/19/10 08:00
Date Received: 11/19/10 12:00

Lab Sample ID: PTK0774-01
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		11/24/10 14:27	11/24/10 16:55	1
Benzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Bromobenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Bromochloromethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Bromodichloromethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Bromoform	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Bromomethane	ND		5.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
2-Butanone (MEK)	ND		10.0		ug/l		11/24/10 14:27	11/24/10 16:55	1
n-Butylbenzene	ND		5.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
sec-Butylbenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
tert-Butylbenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Carbon disulfide	ND		10.0		ug/l		11/24/10 14:27	11/24/10 16:55	1
Carbon tetrachloride	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Chlorobenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Chloroethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Chloroform	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Chloromethane	ND		5.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
2-Chlorotoluene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
4-Chlorotoluene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Dibromochloromethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2-Dibromoethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Dibromomethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2-Dichlorobenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,3-Dichlorobenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,4-Dichlorobenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Dichlorodifluoromethane	ND		5.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,1-Dichloroethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2-Dichloroethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,1-Dichloroethene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
cis-1,2-Dichloroethene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
trans-1,2-Dichloroethene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2-Dichloropropane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,3-Dichloropropane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
2,2-Dichloropropane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,1-Dichloropropene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
cis-1,3-Dichloropropene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
trans-1,3-Dichloropropene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Ethylbenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Hexachlorobutadiene	ND		4.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
2-Hexanone	ND		10.0		ug/l		11/24/10 14:27	11/24/10 16:55	1
Isopropylbenzene	ND		2.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
p-Isopropyltoluene	ND		2.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
4-Methyl-2-pentanone	ND		5.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Methyl tert-butyl ether	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Methylene chloride	ND		5.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Naphthalene	ND		2.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
n-Propylbenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Styrene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Client Sample ID: #700
Date Collected: 11/19/10 08:00
Date Received: 11/19/10 12:00

Lab Sample ID: PTK0774-01
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Tetrachloroethene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Toluene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2,3-Trichlorobenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2,4-Trichlorobenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,1,1-Trichloroethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,1,2-Trichloroethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Trichloroethene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Trichlorofluoromethane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2,3-Trichloropropane	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,2,4-Trimethylbenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
1,3,5-Trimethylbenzene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
Vinyl chloride	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
o-Xylene	ND		1.00		ug/l		11/24/10 14:27	11/24/10 16:55	1
m,p-Xylene	ND		2.00		ug/l		11/24/10 14:27	11/24/10 16:55	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*88.9*		*80 - 120*	*11/24/10 14:27*	*11/24/10 16:55*	*1*
1,2-DCA-d4	*87.0*		*80 - 120*	*11/24/10 14:27*	*11/24/10 16:55*	*1*
Toluene-d8	*89.5*		*80 - 120*	*11/24/10 14:27*	*11/24/10 16:55*	*1*
4-BFB	*107*		*80 - 120*	*11/24/10 14:27*	*11/24/10 16:55*	*1*

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B

Lab Sample ID: 10K0801-BLK1
Matrix: Water
Analysis Batch: 10K0801

Client Sample ID: 10K0801-BLK1
Prep Type: total
Prep Batch: 10K0801_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		11/24/10 08:01	11/24/10 14:12	1
Benzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Bromobenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Bromochloromethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Bromodichloromethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Bromoform	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Bromomethane	ND		5.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
2-Butanone (MEK)	ND		10.0		ug/l		11/24/10 08:01	11/24/10 14:12	1
n-Butylbenzene	ND		5.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
sec-Butylbenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
tert-Butylbenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Carbon disulfide	ND		10.0		ug/l		11/24/10 08:01	11/24/10 14:12	1
Carbon tetrachloride	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Chlorobenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Chloroethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Chloroform	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Chloromethane	ND		5.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
2-Chlorotoluene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
4-Chlorotoluene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Dibromochloromethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2-Dibromoethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Dibromomethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2-Dichlorobenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,3-Dichlorobenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,4-Dichlorobenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Dichlorodifluoromethane	ND		5.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,1-Dichloroethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2-Dichloroethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,1-Dichloroethene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
cis-1,2-Dichloroethene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
trans-1,2-Dichloroethene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2-Dichloropropane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,3-Dichloropropane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
2,2-Dichloropropane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,1-Dichloropropene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
cis-1,3-Dichloropropene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
trans-1,3-Dichloropropene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Ethylbenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Hexachlorobutadiene	ND		4.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
2-Hexanone	ND		10.0		ug/l		11/24/10 08:01	11/24/10 14:12	1
Isopropylbenzene	ND		2.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
p-Isopropyltoluene	ND		2.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
4-Methyl-2-pentanone	ND		5.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Methyl tert-butyl ether	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Methylene chloride	ND		5.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Naphthalene	ND		2.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
n-Propylbenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Styrene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 10K0801-BLK1
Matrix: Water
Analysis Batch: 10K0801

Client Sample ID: 10K0801-BLK1
Prep Type: total
Prep Batch: 10K0801_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Tetrachloroethene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Toluene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2,3-Trichlorobenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2,4-Trichlorobenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,1,1-Trichloroethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,1,2-Trichloroethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Trichloroethene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Trichlorofluoromethane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2,3-Trichloropropane	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,2,4-Trimethylbenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
1,3,5-Trimethylbenzene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
Vinyl chloride	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
o-Xylene	ND		1.00		ug/l		11/24/10 08:01	11/24/10 14:12	1
m,p-Xylene	ND		2.00		ug/l		11/24/10 08:01	11/24/10 14:12	1

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*90.5*		*80 - 120*	*11/24/10 08:01*	*11/24/10 14:12*	*1*
1,2-DCA-d4	*89.0*		*80 - 120*	*11/24/10 08:01*	*11/24/10 14:12*	*1*
Toluene-d8	*91.2*		*80 - 120*	*11/24/10 08:01*	*11/24/10 14:12*	*1*
4-BFB	*108*		*80 - 120*	*11/24/10 08:01*	*11/24/10 14:12*	*1*

Lab Sample ID: 10K0801-BS1
Matrix: Water
Analysis Batch: 10K0801

Client Sample ID: 10K0801-BS1
Prep Type: total
Prep Batch: 10K0801_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Benzene			20.0	20.5		ug/l		102	80 - 120		
Chlorobenzene			20.0	21.1		ug/l		106	80 - 124		
1,1-Dichloroethene			20.0	20.1		ug/l		100	78 - 120		
Toluene			20.0	21.4		ug/l		107	80 - 124		
Trichloroethene			20.0	21.2		ug/l		106	80 - 132		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*90.5*		*80 - 120*
1,2-DCA-d4	*88.0*		*80 - 120*
Toluene-d8	*92.6*		*80 - 120*
4-BFB	*108*		*80 - 120*

Lab Sample ID: 10K0801-BSD1
Matrix: Water
Analysis Batch: 10K0801

Client Sample ID: 10K0801-BSD1
Prep Type: total
Prep Batch: 10K0801_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene			20.0	20.7		ug/l		103	80 - 120	1.12	25
Chlorobenzene			20.0	21.5		ug/l		107	80 - 124	1.60	25
1,1-Dichloroethene			20.0	20.2		ug/l		101	78 - 120	0.44 7	25
Toluene			20.0	21.6		ug/l		108	80 - 124	1.07	25

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 10K0801-BSD1
Matrix: Water
Analysis Batch: 10K0801

Client Sample ID: 10K0801-BSD1
Prep Type: total
Prep Batch: 10K0801_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Trichloroethene			20.0	21.3		ug/l		106	80 - 132	0.659	25

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
Dibromofluoromethane	*89.0*		*80 - 120*
1,2-DCA-d4	*86.8*		*80 - 120*
Toluene-d8	*92.0*		*80 - 120*
4-BFB	*106*		*80 - 120*

Certification Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PTK0774
SDG: PTK0774

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica Portland	Alaska	Alaska UST	10	UST-012	12/26/10
TestAmerica Portland	Alaska	State Program	10	OR00040	04/21/11
TestAmerica Portland	California	State Program	9	2597	09/30/11
TestAmerica Portland	Oregon	NELAC Primary AB	10	OR100021	01/09/11
TestAmerica Portland	Washington	State Program	10	C586	06/23/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ✓
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PTK0774

CLIENT: Blount

INVOICE TO:

REPORT TO:
ADDRESS:

PHONE: FAX:

P.O. NUMBER:

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY:

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: 8260 B	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	#700	11-19-10, 0800		✓	W	3	Preserved w/ HCl	
2								
3								
4								
5								
6								
7								
8								
9								
10								

RELEASED BY: Steven R. Goodfellow — PRINT NAME: — FIRM: Blount Inc — DATE: 11-19-10 — TIME: 1115
RECEIVED BY: — PRINT NAME: — FIRM: TAP — DATE: 11-19-10 — TIME: 1115

RELEASED BY: — PRINT NAME: — FIRM: TAP — DATE: 11-19-10 — TIME: 1200
RECEIVED BY: Megan Flemming — PRINT NAME: Megan Flemming — FIRM: TAP — DATE: 11/19/10 — TIME: 1200

ADDITIONAL REMARKS: DM

TEMP: 3.6

COC REV 09/2004

PAGE OF

12/07/2010

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Portland Sample Control Checklist

Work Order #: PTK0774 **Date/Time Received:** 11/9/10 1200
Client Name: Blount
Project Name:
Time Zone:
☐EDT/EST ☐CDT/CST ☐MDT/MST ☒PDT/PST ☐AK ☐OTHER

Unpacking Checks:
Cooler (s): 1
Temperature (s): 3.6
Digi #1 ☐ **Digi #2** ☐ **IR Gun** ☒ (☐Plastic ☒Glass)
Raytek ☐ (☐Plastic ☐Glass)

Temperature out of Range:
__Not enough or No Ice
__Ice Melted
__W/in 4 Hrs of collection
__Ice Not Needed
__ Other:

Ice used: (circle one) GEL LOOSE BLUE OTHER: **Initials:** DL

N/A	Yes	No	
☒	☐	☐	1. If ESI client, were temp blanks received? If no, document on NOD.
☒	☐	☐	2. Cooler Seals intact? (N/A if hand delivered) if no, document on NOD.
	☒	☐	3. Chain of Custody present? Along with "received by" & "relinquished by" signatures with date & time? If no, document on NOD.
	☒	☐	4. Bottles received intact? If no, document on NOD.
	☒	☐	5. Sample is not multiphasic? If no, document on NOD.
	☐	☒	6. Sampler name/signature documented on COC?
	☒	☐	7. Proper Container and preservatives used? If no, document on NOD.
☒	☐	☐	8. pH of all samples checked and meet requirements? If no, document on NOD.
☒	☐	☐	9. Cyanide samples checked for sulfides and meet requirements? If no, notify PM.
☒	☐	☐	10. HF Dilution required?
	☒	☐	11. Sufficient volume provided for all analysis and requested MS/MSD? If no, document on NOD and consult PM before proceeding.
	☒	☐	12. Did chain of custody agree with samples received? If no, document on NOD.
☐	☒	☐	13. Were VOA samples received without headspace?
	☐	☒	14. Did samples require preservation with sodium thiosulfate?
☒	☐	☐	15. If yes to #14, was the residual chlorine test negative? If no, document on NOD.
☒	☐	☐	16. Are dissolved/field filtered metals bottles sediment-free? If no, document on NOD.
☒	☐	☐	17. Are analyses with short holding times received in hold?
☒	☐	☐	18. Were special log- in instructions read and followed?

Checklist Reviewed: **Log-in initials:** SL **Labeler initials:** SL

9405 SW Nimbus Ave, Beaverton OR 97008 **tel** 503.906.9200 **fax** 503.906.9210 **www.testamericainc.com**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503) 906-9200

TestAmerica Job ID: PUC0198
Client Project/Site: PO# 5500001192
Client Project Description: Main

For:
Blount, Inc. (Carlton Company)
P.O. Box 22127
Portland, OR 97269-2127

Attn: Jason Smith

Authorized for release by:
03/18/2011 10:48:32 AM
Christina Woodcock
Project Manager
christina.woodcock@testamericainc.com

Designee for

Estella Rieben
Project Manager
Estella.Rieben@testamericainc.com

Table of Contents

Sample Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUC0198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
PUC0198-01	707	Water	03/04/11 09:00	03/04/11 15:35

Client: Blount, Inc. (Carlton Company) TestAmerica Job ID: PUC0198
Project/Site: PO# 5500001192

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Detection Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUC0198

Client Sample ID: 707 **Lab Sample ID: PUC0198-01**

No Detections.

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUC0198

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B

Client Sample ID: 707
Date Collected: 03/04/11 09:00
Date Received: 03/04/11 15:35
Sampler Name:

Lab Sample ID: PUC0198-01
Matrix: Water
Sampler Phone Number: (503) 653-4228

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Benzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Bromobenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Bromochloromethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Bromodichloromethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Bromoform	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Bromomethane	ND		5.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
2-Butanone (MEK)	ND		10.0		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
n-Butylbenzene	ND		5.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
sec-Butylbenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
tert-Butylbenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Carbon disulfide	ND		10.0		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Carbon tetrachloride	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Chlorobenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Chloroethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Chloroform	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Chloromethane	ND		5.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
2-Chlorotoluene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
4-Chlorotoluene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Dibromochloromethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2-Dibromoethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Dibromomethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2-Dichlorobenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,3-Dichlorobenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,4-Dichlorobenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Dichlorodifluoromethane	ND		5.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,1-Dichloroethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2-Dichloroethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,1-Dichloroethene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2-Dichloropropane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,3-Dichloropropane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
2,2-Dichloropropane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,1-Dichloropropene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Ethylbenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Hexachlorobutadiene	ND		4.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
2-Hexanone	ND		10.0		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Isopropylbenzene	ND		2.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
p-Isopropyltoluene	ND		2.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
4-Methyl-2-pentanone	ND		5.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Methyl tert-butyl ether	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Methylene chloride	ND		5.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Naphthalene	ND		2.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
n-Propylbenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Styrene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Client Sample ID: 707
Date Collected: 03/04/11 09:00
Date Received: 03/04/11 15:35
Sampler Name:

Lab Sample ID: PUC0198-01
Matrix: Water
Sampler Phone Number: (503) 653-4228

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Tetrachloroethene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Toluene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,1,1-Trichloroethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,1,2-Trichloroethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Trichloroethene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Trichlorofluoromethane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2,3-Trichloropropane	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
Vinyl chloride	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
o-Xylene	ND		1.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00
m,p-Xylene	ND		2.00		ug/l		03/08/11 10:00	03/08/11 14:53	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*88.0*		*80 - 120*	*03/08/11 10:00*	*03/08/11 14:53*	*1.00*
1,2-DCA-d4	*87.6*		*80 - 120*	*03/08/11 10:00*	*03/08/11 14:53*	*1.00*
Toluene-d8	*88.2*		*80 - 120*	*03/08/11 10:00*	*03/08/11 14:53*	*1.00*
4-BFB	*100*		*80 - 120*	*03/08/11 10:00*	*03/08/11 14:53*	*1.00*

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B

Lab Sample ID: 11C0214-BLK1
Matrix: Water
Analysis Batch: 11C0214

Client Sample ID: 11C0214-BLK1
Prep Type: total
Prep Batch: 11C0214_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Benzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Bromobenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Bromochloromethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Bromodichloromethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Bromoform	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Bromomethane	ND		5.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
2-Butanone (MEK)	ND		10.0		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
n-Butylbenzene	ND		5.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
sec-Butylbenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
tert-Butylbenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Carbon disulfide	ND		10.0		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Carbon tetrachloride	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Chlorobenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Chloroethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Chloroform	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Chloromethane	ND		5.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
2-Chlorotoluene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
4-Chlorotoluene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Dibromochloromethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2-Dibromoethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Dibromomethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2-Dichlorobenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,3-Dichlorobenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,4-Dichlorobenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Dichlorodifluoromethane	ND		5.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,1-Dichloroethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2-Dichloroethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,1-Dichloroethene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2-Dichloropropane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,3-Dichloropropane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
2,2-Dichloropropane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,1-Dichloropropene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Ethylbenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Hexachlorobutadiene	ND		4.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
2-Hexanone	ND		10.0		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Isopropylbenzene	ND		2.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
p-Isopropyltoluene	ND		2.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
4-Methyl-2-pentanone	ND		5.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Methyl tert-butyl ether	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Methylene chloride	ND		5.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Naphthalene	ND		2.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
n-Propylbenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Styrene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 11C0214-BLK1
Matrix: Water
Analysis Batch: 11C0214

Client Sample ID: 11C0214-BLK1
Prep Type: total
Prep Batch: 11C0214_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Tetrachloroethene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Toluene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,1,1-Trichloroethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,1,2-Trichloroethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Trichloroethene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Trichlorofluoromethane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2,3-Trichloropropane	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
Vinyl chloride	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
o-Xylene	ND		1.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00
m,p-Xylene	ND		2.00		ug/l		03/08/11 08:00	03/08/11 11:39	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91.0*		*80 - 120*	*03/08/11 08:00*	*03/08/11 11:39*	*1.00*
1,2-DCA-d4	*92.2*		*80 - 120*	*03/08/11 08:00*	*03/08/11 11:39*	*1.00*
Toluene-d8	*92.3*		*80 - 120*	*03/08/11 08:00*	*03/08/11 11:39*	*1.00*
4-BFB	*110*		*80 - 120*	*03/08/11 08:00*	*03/08/11 11:39*	*1.00*

Lab Sample ID: 11C0214-BS1
Matrix: Water
Analysis Batch: 11C0214

Client Sample ID: 11C0214-BS1
Prep Type: total
Prep Batch: 11C0214_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Benzene			20.0	17.0		ug/l		84.9	80 - 120		
Chlorobenzene			20.0	16.5		ug/l		82.6	80 - 124		
1,1-Dichloroethene			20.0	17.0		ug/l		84.8	78 - 120		
Toluene			20.0	17.2		ug/l		86.0	80 - 124		
Trichloroethene			20.0	16.2		ug/l		81.2	80 - 132		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*93.4*		*80 - 120*
1,2-DCA-d4	*86.6*		*80 - 120*
Toluene-d8	*96.0*		*80 - 120*
4-BFB	*114*		*80 - 120*

Lab Sample ID: 11C0214-MS1
Matrix: Water
Analysis Batch: 11C0214

Client Sample ID: PUC0172-01
Prep Type: total
Prep Batch: 11C0214_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits		
Benzene	ND		40.0	36.5		ug/l		91.3	80 - 124		
Chlorobenzene	ND		40.0	34.7		ug/l		86.7	72.9 - 134		
1,1-Dichloroethene	ND		40.0	37.6		ug/l		94.1	79.3 - 127		
Toluene	0.320		40.0	36.0		ug/l		89.1	79.7 - 131		

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 11C0214-MS1 — **Client Sample ID: PUC0172-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C0214 — **Prep Batch: 11C0214_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Trichloroethene	ND		40.0	34.7		ug/l		86.8	68.4 - 130

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
Dibromofluoromethane	*96.2*		*80 - 120*
1,2-DCA-d4	*91.8*		*80 - 120*
Toluene-d8	*96.1*		*80 - 120*
4-BFB	*113*		*80 - 120*

Lab Sample ID: 11C0214-MS2 — **Client Sample ID: PUC0076-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C0214 — **Prep Batch: 11C0214_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		20.0	17.4		ug/l		86.9	80 - 124
Chlorobenzene	ND		20.0	16.8		ug/l		83.9	72.9 - 134
1,1-Dichloroethene	ND		20.0	18.1		ug/l		90.3	79.3 - 127
Toluene	ND		20.0	17.1		ug/l		85.6	79.7 - 131
Trichloroethene	ND		20.0	16.7		ug/l		83.4	68.4 - 130

Surrogate	*Matrix Spike % Recovery*	*Matrix Spike Qualifier*	*Limits*
Dibromofluoromethane	*95.2*		*80 - 120*
1,2-DCA-d4	*89.0*		*80 - 120*
Toluene-d8	*97.0*		*80 - 120*
4-BFB	*119*		*80 - 120*

Lab Sample ID: 11C0214-MSD1 — **Client Sample ID: PUC0172-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C0214 — **Prep Batch: 11C0214_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		40.0	34.6		ug/l		86.6	80 - 124	5.34	25
Chlorobenzene	ND		40.0	33.0		ug/l		82.5	72.9 - 134	4.96	25
1,1-Dichloroethene	ND		40.0	36.2		ug/l		90.4	79.3 - 127	3.96	25
Toluene	0.320		40.0	34.8		ug/l		86.3	79.7 - 131	3.16	25
Trichloroethene	ND		40.0	33.2		ug/l		83.0	68.4 - 130	4.59	25

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Dibromofluoromethane	*92.6*		*80 - 120*
1,2-DCA-d4	*87.6*		*80 - 120*
Toluene-d8	*93.0*		*80 - 120*
4-BFB	*111*		*80 - 120*

Lab Sample ID: 11C0214-MSD2 — **Client Sample ID: PUC0076-01**
Matrix: Water — **Prep Type: total**
Analysis Batch: 11C0214 — **Prep Batch: 11C0214_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene	ND		20.0	17.0		ug/l		85.0	80 - 124	2.27	25

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 11C0214-MSD2
Matrix: Water
Analysis Batch: 11C0214

Client Sample ID: PUC0076-01
Prep Type: total
Prep Batch: 11C0214_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Chlorobenzene	ND		20.0	16.6		ug/l		83.2	72.9 - 134	0.898	25
1,1-Dichloroethene	ND		20.0	18.2		ug/l		90.8	79.3 - 127	0.552	25
Toluene	ND		20.0	17.0		ug/l		85.0	79.7 - 131	0.762	25
Trichloroethene	ND		20.0	16.5		ug/l		82.6	68.4 - 130	0.843	25

Surrogate	*Matrix Spike Dup % Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Dibromofluoromethane	*100*		*80 - 120*
1,2-DCA-d4	*90.0*		*80 - 120*
Toluene-d8	*100*		*80 - 120*
4-BFB	*120*		*80 - 120*

Certification Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUC0198

Laboratory	Authority	Program	EPA Region	Certification ID	* Expiration Date
TestAmerica Portland		USDA		P330-07-XXXXXX	02/17/14
TestAmerica Portland	Alaska	Alaska UST	10	UST-012	12/26/10
TestAmerica Portland	Alaska	State Program	10	OR00040	04/21/11
TestAmerica Portland	California	State Program	9	2597	09/30/11
TestAmerica Portland	Oregon	NELAC	10	OR100021	01/09/12
TestAmerica Portland	Washington	State Program	10	C586	06/23/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.
* Any expired certifications in this list are currently pending renewal and are considered valid.

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PVC0198

CLIENT: Blount

REPORT TO: Jason.smith@oregonchain.com
ADDRESS:

PHONE: 503 653 4228 FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY: J. Smith

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: (10) STD | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: 8260B	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	707	3-4-11, 09:00	✓	W	3	HCl Preserved	
2							
3							
4							
5							
6							
7							
8							
9							
10							

REQUESTED ANALYSES

RELEASED BY: Jason Smith — FIRM: Blount — DATE: 3-4-11 — TIME: 1305
RECEIVED BY: Bob — FIRM: TAP — DATE: 3/4/11 — TIME: 1305

RELEASED BY: Bob — FIRM: TAP — DATE: 3/4/11 — TIME: 15:35
RECEIVED BY: — FIRM: TAP — DATE: 3/4/11 — TIME: 1535

ADDITIONAL REMARKS:

TEMP: 1.8

COC REV 09/2004

PAGE OF

03/18/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Portland Sample Control Checklist

Work Order #: PVC0198 **Date/Time Received:** 3/4/11 1535
Client Name: Blount
Project Name: Main
Time Zone:
☐EDT/EST ☐CDT/CST ☐MDT/MST ☑PDT/PST ☐AK ☐HI ☐OTHER

Unpacking Checks:
Cooler (s): 1
Temperature (s): 1.8
Digi #1 ☐ **Digi #2** ☐ **IR Gun** ☑ (☐Plastic ☑Glass)
Raytek ☐ (☐Plastic ☐Glass)
Ice used: (circle one) GEL LOOSE BLUE NONE OTHER: _____ **Initials:** JM

Temperature out of Range:
__Not enough or No Ice
__Ice Melted
__W/in 4 Hrs of collection
__Ice Not Needed
__ Other:_____

N/A	Yes	No	
☑	☐	☐	1. If ESI client, were temp blanks received? If no, document on NOD.
☑	☐	☐	2. Cooler Seals intact? (N/A if hand delivered) if no and ESI client, document on NOD.
	☑	☐	3. Chain of Custody present? If no, document on NOD. Along with "received by" & "relinquished by" signatures with date & time?
	☑	☐	4. Bottles received intact? If no, document on NOD.
	☑	☐	5. Sample is not multiphasic? If no, document on NOD.
	☑	☐	6. Sampler name/signature documented on COC?
	☑	☐	7. Proper Container and preservatives used? If no, document on NOD.
☑	☐	☐	8. pH of all samples checked and meet requirements? If no, document on NOD.
☑	☐	☐	9. Cyanide samples checked for sulfides and meet requirements? If no, notify PM.
☑	☐	☐	10. HF Dilution required?
	☑	☐	11. Sufficient volume provided for all analysis and requested MS/MSD? If no, document on NOD and consult PM before proceeding.
	☑	☐	12. Did chain of custody agree with samples received? If no, document on NOD.
☐	☑	☐	13. Were VOA samples received without headspace?
	☐	☑	14. Did samples require preservation with sodium thiosulfate?
☑	☐	☐	15. If yes to #14, was the residual chlorine test negative? If no, document on NOD.
☑	☐	☐	16. Are dissolved/field filtered metals bottles sediment-free? If no, document on NOD.
☑	☐	☐	17. Are analyses with short holding times received in hold?
☐	☑	☐	18. Were special log- in instructions read and followed?

Checklist Reviewed: **Log-in initials:** JM **Labeler initials:** JM

9405 SW Nimbus Ave, Beaverton OR 97008 **tel** 503.906.9200 **fax** 503.906.9210 **www.testamericainc.com**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503) 906-9200

TestAmerica Job ID: PUH0941
Client Project/Site: PO# 5500001192
Client Project Description: Main

For:
Blount, Inc. (Carlton Company)
P.O. Box 22127
Portland, OR 97269-2127

Attn: Jason Smith

Chandra Vallely

Authorized for release by:
09/09/2011 10:55:58 AM
Chandra Vallely
Project Manager
chandra.vallely@testamericainc.com

Designee for

Christina Woodcock
Project Manager
christina.woodcock@testamericainc.com

Table of Contents

Sample Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUH0941

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
PUH0941-01	715	Water	08/25/11 08:00	08/25/11 16:40

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUH0941

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUH0941

Client Sample ID: 715 **Lab Sample ID: PUH0941-01**

No Detections

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUH0941

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B

Client Sample ID: 715
Date Collected: 08/25/11 08:00
Date Received: 08/25/11 16:40

Lab Sample ID: PUH0941-01
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Benzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Bromobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Bromochloromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Bromodichloromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Bromoform	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Bromomethane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
2-Butanone (MEK)	ND		10.0		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
n-Butylbenzene	ND		5.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
sec-Butylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
tert-Butylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Carbon disulfide	ND		10.0		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Carbon tetrachloride	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Chlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Chloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Chloroform	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Chloromethane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
2-Chlorotoluene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
4-Chlorotoluene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Dibromochloromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2-Dibromoethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Dibromomethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2-Dichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,3-Dichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,4-Dichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Dichlorodifluoromethane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,1-Dichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2-Dichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,1-Dichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2-Dichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,3-Dichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
2,2-Dichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,1-Dichloropropene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Ethylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Hexachlorobutadiene	ND		4.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
2-Hexanone	ND		10.0		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Isopropylbenzene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
p-Isopropyltoluene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
4-Methyl-2-pentanone	ND		5.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Methyl tert-butyl ether	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Methylene chloride	ND		5.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Naphthalene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
n-Propylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Styrene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUH0941

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Client Sample ID: 715
Date Collected: 08/25/11 08:00
Date Received: 08/25/11 16:40

Lab Sample ID: PUH0941-01
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Tetrachloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Toluene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,1,1-Trichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,1,2-Trichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Trichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Trichlorofluoromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2,3-Trichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
Vinyl chloride	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
o-Xylene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00
m,p-Xylene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 13:00	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*80 - 120*	*08/29/11 09:43*	*08/29/11 13:00*	*1.00*
1,2-DCA-d4	*104*		*80 - 120*	*08/29/11 09:43*	*08/29/11 13:00*	*1.00*
Toluene-d8	*102*		*80 - 120*	*08/29/11 09:43*	*08/29/11 13:00*	*1.00*
4-BFB	*91.6*		*80 - 120*	*08/29/11 09:43*	*08/29/11 13:00*	*1.00*

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUH0941

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B

Lab Sample ID: 11H0931-BLK1
Matrix: Water
Analysis Batch: 11H0931

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11H0931_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Benzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Bromobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Bromochloromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Bromodichloromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Bromoform	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Bromomethane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
2-Butanone (MEK)	ND		10.0		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
n-Butylbenzene	ND		5.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
sec-Butylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
tert-Butylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Carbon disulfide	ND		10.0		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Carbon tetrachloride	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Chlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Chloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Chloroform	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Chloromethane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
2-Chlorotoluene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
4-Chlorotoluene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Dibromochloromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2-Dibromoethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Dibromomethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2-Dichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,3-Dichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,4-Dichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Dichlorodifluoromethane	ND		5.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,1-Dichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2-Dichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,1-Dichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2-Dichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,3-Dichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
2,2-Dichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,1-Dichloropropene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Ethylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Hexachlorobutadiene	ND		4.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
2-Hexanone	ND		10.0		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Isopropylbenzene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
p-Isopropyltoluene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
4-Methyl-2-pentanone	ND		5.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Methyl tert-butyl ether	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Methylene chloride	ND		5.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Naphthalene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
n-Propylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Styrene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 11H0931-BLK1
Matrix: Water
Analysis Batch: 11H0931

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11H0931_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Tetrachloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Toluene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,1,1-Trichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,1,2-Trichloroethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Trichloroethene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Trichlorofluoromethane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2,3-Trichloropropane	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
Vinyl chloride	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
o-Xylene	ND		1.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00
m,p-Xylene	ND		2.00		ug/l		08/29/11 09:43	08/29/11 11:19	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*80 - 120*	*08/29/11 09:43*	*08/29/11 11:19*	*1.00*
1,2-DCA-d4	*101*		*80 - 120*	*08/29/11 09:43*	*08/29/11 11:19*	*1.00*
Toluene-d8	*99.6*		*80 - 120*	*08/29/11 09:43*	*08/29/11 11:19*	*1.00*
4-BFB	*93.6*		*80 - 120*	*08/29/11 09:43*	*08/29/11 11:19*	*1.00*

Lab Sample ID: 11H0931-BS1
Matrix: Water
Analysis Batch: 11H0931

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11H0931_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Benzene			20.0	17.3		ug/l		86.7	80 - 120		
Chlorobenzene			20.0	18.1		ug/l		90.5	80 - 124		
1,1-Dichloroethene			20.0	16.7		ug/l		83.4	78 - 120		
Toluene			20.0	17.9		ug/l		89.4	80 - 124		
Trichloroethene			20.0	17.3		ug/l		86.6	80 - 132		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*102*		*80 - 120*
1,2-DCA-d4	*102*		*80 - 120*
Toluene-d8	*104*		*80 - 120*
4-BFB	*104*		*80 - 120*

Lab Sample ID: 11H0931-BSD1
Matrix: Water
Analysis Batch: 11H0931

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11H0931_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene			20.0	19.9		ug/l		99.4	80 - 120	13.6	25
Chlorobenzene			20.0	20.7		ug/l		103	80 - 124	13.4	25
1,1-Dichloroethene			20.0	19.3		ug/l		96.6	78 - 120	14.6	25
Toluene			20.0	20.4		ug/l		102	80 - 124	13.4	25

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 11H0931-BSD1
Matrix: Water
Analysis Batch: 11H0931

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11H0931_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Trichloroethene			20.0	19.9		ug/l		99.4	80 - 132	13.7	25

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
Dibromofluoromethane	*105*		*80 - 120*
1,2-DCA-d4	*103*		*80 - 120*
Toluene-d8	*106*		*80 - 120*
4-BFB	*108*		*80 - 120*

Certification Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUH0941

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	Alaska UST	10	UST-012
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	USDA		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PUH0941

CLIENT: Blount

REPORT TO: jason.smith@blount.com
ADDRESS:

PHONE: FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY: J. Smith

PRESERVATIVE: HCl

REQUESTED ANALYSES: BTEX

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: [10] STD [7] [5] [4] [3] [2] [1] [<1]
Petroleum Hydrocarbon Analyses: [5] STD. [4] [3] [2] [1] [<1]
[OTHER] Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	715	8-25-11, 0800	W	3		
2						
3						
4						
5						
6						
7						
8						
9						
10						

RELEASED BY: J. Smith
PRINT NAME: Jason Smith FIRM: Blount DATE: 8-25-11 TIME: 1352
RECEIVED BY: [signature] PRINT NAME: Bob F FIRM: TAP DATE: 8/25/11 TIME: 1352

RELEASED BY: [signature]
PRINT NAME: Bob F FIRM: TAP DATE: 8/25/11 TIME: 1640
RECEIVED BY: [signature] PRINT NAME: Phil Swabb-Senior FIRM: TAP DATE: 8/25/11 TIME: 1640

ADDITIONAL REMARKS: BOB F

TEMP: 32 PAGE OF

COC REV 09/2004

09/09/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Portland Sample Control Checklist

Work Order #: PUH0941 **Date/Time Received:** 8-25-11 1640
Client Name: Blaine
Project Name: MAW
Time Zone:
☐EDT/EST ☐CDT/CST ☐MDT/MST ☒PDT/PST ☐AK ☐HI ☐OTHER

Unpacking Checks:
Cooler (s): 1
Temperature (s): 3.2° C
Digi #1 ☐ Digi #2 ☐ IR Gun ☒ (☐Plastic ☒Glass)
Raytek ☐ (☐Plastic ☐Glass)

Temperature out of Range:
__Not enough or No Ice
__Ice Melted
__W/in 4 Hrs of collection
__Ice Not Needed
__ Other:

Ice used: (circle one) GEL LOOSE BLUE NONE OTHER: _____ **Initials:**

N/A	Yes	No	
☒	☐	☐	1. If ESI client, were temp blanks received? If no, document on NOD.
☒	☐	☐	2. Cooler Seals intact? (N/A if hand delivered) if no and ESI client, document on NOD.
	☒	☐	3. Chain of Custody present? If no, document on NOD. Along with "received by" & "relinquished by" signatures with date & time?
	☒	☐	4. Bottles received intact? If no, document on NOD.
	☒	☐	5. Sample is not multiphasic? If no, document on NOD.
	☐	☐	6. Sampler name/signature documented on COC?
	☒	☐	7. Proper Container and preservatives used? If no, document on NOD.
☐	☐	☐	8. pH for HN03/ESI samples checked and meet requirements? If no, document on NOD.
☒	☐	☐	9. Cyanide samples checked for sulfides and meet requirements? If no, notify PM.
☒	☐	☐	10. HF Dilution required?
	☒	☐	11. Sufficient volume provided for all analysis and requested MS/MSD? If no, document on NOD and consult PM before proceeding.
	☐	☐	12. Did chain of custody agree with samples received? If no, document on NOD.
☐	☐	☐	13. Were VOA samples received without headspace?
	☐	☒	14. Did samples require preservation with sodium thiosulfate?
☒	☐	☐	15. If yes to #14, was the residual chlorine test negative? If no, document on NOD.
☒	☐	☐	16. Are dissolved/field filtered metals bottles sediment-free? If no, document on NOD.
☒	☐	☐	17. Are analyses with short holding times received in hold?
	☒	☐	18. Were special log- in instructions read and followed?

Checklist Reviewed: **Log-in initials:** PSS **Labeler initials:** PSS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503) 906-9200

TestAmerica Job ID: PUJ0493
Client Project/Site: PO# 5500001192
Client Project Description: Main

For:
Blount, Inc. (Carlton Company)
P.O. Box 22127
Portland, OR 97269-2127

Attn: Jason Smith

Vanessa Frahs

Authorized for release by:
10/27/2011 06:02:11 PM
Vanessa Frahs
Project Manager
Vanessa.Frahs@testamericainc.com

Designee for

Christina Woodcock
Project Manager
christina.woodcock@testamericainc.com

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Sample Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
PUJ0493-01	718	Water	10/13/11 08:15	10/13/11 14:00

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Client Sample ID: 718 **Lab Sample ID: PUJ0493-01**

No Detections

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B - RE1

Client Sample ID: 718
Date Collected: 10/13/11 08:15
Date Received: 10/13/11 14:00

Lab Sample ID: PUJ0493-01
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Benzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Bromobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Bromochloromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Bromodichloromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Bromoform	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Bromomethane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
2-Butanone (MEK)	ND		10.0		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
n-Butylbenzene	ND		5.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
sec-Butylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
tert-Butylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Carbon disulfide	ND		10.0		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Carbon tetrachloride	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Chlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Chloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Chloroform	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Chloromethane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
2-Chlorotoluene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
4-Chlorotoluene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Dibromochloromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2-Dibromoethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Dibromomethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2-Dichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,3-Dichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,4-Dichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Dichlorodifluoromethane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,1-Dichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2-Dichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,1-Dichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2-Dichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,3-Dichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
2,2-Dichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,1-Dichloropropene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Ethylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Hexachlorobutadiene	ND		4.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
2-Hexanone	ND		10.0		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Isopropylbenzene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
p-Isopropyltoluene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
4-Methyl-2-pentanone	ND		5.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Methyl tert-butyl ether	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Methylene chloride	ND		5.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Naphthalene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
n-Propylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Styrene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B - RE1 (Continued)

Client Sample ID: 718
Date Collected: 10/13/11 08:15
Date Received: 10/13/11 14:00

Lab Sample ID: PUJ0493-01
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Tetrachloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Toluene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,1,1-Trichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,1,2-Trichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Trichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Trichlorofluoromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2,3-Trichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
Vinyl chloride	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
o-Xylene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00
m,p-Xylene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 12:33	1.00

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*89.6*		*80 - 120*	*10/24/11 08:00*	*10/24/11 12:33*	*1.00*
1,2-DCA-d4	*86.0*		*80 - 120*	*10/24/11 08:00*	*10/24/11 12:33*	*1.00*
Toluene-d8	*92.8*		*80 - 120*	*10/24/11 08:00*	*10/24/11 12:33*	*1.00*
4-BFB	*104*		*80 - 120*	*10/24/11 08:00*	*10/24/11 12:33*	*1.00*

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B

Lab Sample ID: 11J0713-BLK1
Matrix: Water
Analysis Batch: 11J0713

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11J0713_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25.0		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Benzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Bromobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Bromochloromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Bromodichloromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Bromoform	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Bromomethane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
2-Butanone (MEK)	ND		10.0		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
n-Butylbenzene	ND		5.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
sec-Butylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
tert-Butylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Carbon disulfide	ND		10.0		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Carbon tetrachloride	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Chlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Chloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Chloroform	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Chloromethane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
2-Chlorotoluene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
4-Chlorotoluene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2-Dibromo-3-chloropropane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Dibromochloromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2-Dibromoethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Dibromomethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2-Dichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,3-Dichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,4-Dichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Dichlorodifluoromethane	ND		5.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,1-Dichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2-Dichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,1-Dichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2-Dichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,3-Dichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
2,2-Dichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,1-Dichloropropene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Ethylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Hexachlorobutadiene	ND		4.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
2-Hexanone	ND		10.0		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Isopropylbenzene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
p-Isopropyltoluene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
4-Methyl-2-pentanone	ND		5.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Methyl tert-butyl ether	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Methylene chloride	ND		5.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Naphthalene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
n-Propylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Styrene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 11J0713-BLK1
Matrix: Water
Analysis Batch: 11J0713

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11J0713_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Tetrachloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Toluene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,1,1-Trichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,1,2-Trichloroethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Trichloroethene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Trichlorofluoromethane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2,3-Trichloropropane	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
Vinyl chloride	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
o-Xylene	ND		1.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00
m,p-Xylene	ND		2.00		ug/l		10/24/11 08:00	10/24/11 11:33	1.00

Surrogate	*Blank % Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*91.4*		*80 - 120*	*10/24/11 08:00*	*10/24/11 11:33*	*1.00*
1,2-DCA-d4	*85.9*		*80 - 120*	*10/24/11 08:00*	*10/24/11 11:33*	*1.00*
Toluene-d8	*96.0*		*80 - 120*	*10/24/11 08:00*	*10/24/11 11:33*	*1.00*
4-BFB	*104*		*80 - 120*	*10/24/11 08:00*	*10/24/11 11:33*	*1.00*

Lab Sample ID: 11J0713-BS1
Matrix: Water
Analysis Batch: 11J0713

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J0713_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Benzene			20.0	17.9		ug/l		89.3	80 - 120		
Chlorobenzene			20.0	18.5		ug/l		92.4	80 - 124		
1,1-Dichloroethene			20.0	18.0		ug/l		89.8	78 - 120		
Toluene			20.0	18.4		ug/l		91.8	80 - 124		
Trichloroethene			20.0	18.2		ug/l		91.2	80 - 132		

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*94.4*		*80 - 120*
1,2-DCA-d4	*88.9*		*80 - 120*
Toluene-d8	*98.2*		*80 - 120*
4-BFB	*104*		*80 - 120*

Lab Sample ID: 11J0713-BSD1
Matrix: Water
Analysis Batch: 11J0713

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11J0713_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Benzene			20.0	17.9		ug/l		89.5	80 - 120	0.224	25
Chlorobenzene			20.0	18.4		ug/l		91.8	80 - 124	0.706	25
1,1-Dichloroethene			20.0	17.6		ug/l		87.9	78 - 120	2.08	25
Toluene			20.0	18.3		ug/l		91.3	80 - 124	0.546	25

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Method: EPA 8260B - Volatile Organic Compounds per EPA Method 8260B (Continued)

Lab Sample ID: 11J0713-BSD1
Matrix: Water
Analysis Batch: 11J0713

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11J0713_P

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Trichloroethene			20.0	18.2		ug/l		91.2	80 - 132	0.00	25

Surrogate	*LCS Dup % Recovery*	*LCS Dup Qualifier*	*Limits*
Dibromofluoromethane	*92.2*		*80 - 120*
1,2-DCA-d4	*88.2*		*80 - 120*
Toluene-d8	*97.5*		*80 - 120*
4-BFB	*105*		*80 - 120*

Certification Summary

Client: Blount, Inc. (Carlton Company)
Project/Site: PO# 5500001192

TestAmerica Job ID: PUJ0493

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Portland	Alaska	Alaska UST	10	UST-012
TestAmerica Portland	Alaska	State Program	10	OR00040
TestAmerica Portland	California	State Program	9	2597
TestAmerica Portland	Oregon	NELAC	10	OR100021
TestAmerica Portland	USDA	USDA		P330-11-00092
TestAmerica Portland	Washington	State Program	10	C586

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 ✓
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PWJ0493

CLIENT: Blount

REPORT TO: jason.smith@blount.com
ADDRESS: 503-653-4228

PHONE: FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME:
PROJECT NUMBER: J. Smith
SAMPLED BY:

PRESERVATIVE: HCl

REQUESTED ANALYSES: 8260B

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: [10] STD [7] [5] [4] [3] [2] [1] [<1]
Petroleum Hydrocarbon Analyses: [5] STD. [4] [3] [2] [1] [<1]
[OTHER] Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1	718	10-13-11; 8:15	W	3		
2						
3						
4						
5						
6						
7						
8						
9						
10						

RELEASED BY: [signature] DATE: 10-13-11
PRINT NAME: Jason Smith FIRM: Blount TIME: 11:35
RECEIVED BY: [signature] DATE: 10-13-11
PRINT NAME: Lauren M. Stample FIRM: TAP TIME: 1635

RELEASED BY: [signature] DATE: 10-13-11
PRINT NAME: IN LAB FIRM: TAP TIME: 1400
RECEIVED BY: [signature] DATE: 10/13/11
PRINT NAME: Phil Svaboda FIRM: TAP TIME: 1400

ADDITIONAL REMARKS:
TEMP: 3.8°C

COC REV 09/2004

PAGE OF

10/27/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Portland Sample Control Checklist

Work Order #: PJS0493 **Date/Time Received:** 10-13-11 / 1400
Client Name: Bcoast
Project Name: Main
Time Zone:
☐EDT/EST ☐CDT/CST ☐MDT/MST ☒PDT/PST ☐AK ☐HI ☐OTHER

Unpacking Checks:
Cooler (s): 1
Temperature (s): 3.8°C
Digi #1 ☐ **Digi #2** ☐ **IR Gun** ☒ (☒Plastic ☐Glass)
Raytek ☐ (☐Plastic ☐Glass)

Temperature out of Range:
__Not enough or No Ice
__Ice Melted
__W/in 4 Hrs of collection
__Ice Not Needed
__ Other:_____

Ice used: (circle one) GEL (LOOSE) BLUE NONE OTHER: _____ **Initials:** ____

N/A	Yes	No	
☒	☐	☐	1. If ESI client, were temp blanks received? If no, document on NOD.
☒	☐	☐	2. Cooler Seals intact? (N/A if hand delivered) if no and ESI client, document on NOD.
	☒	☐	3. Chain of Custody present? If no, document on NOD. Along with "received by" & "relinquished by" signatures with date & time?
	☒	☐	4. Bottles received intact? If no, document on NOD.
	☒	☐	5. Sample is not multiphasic? If no, document on NOD.
	☒	☐	6. Sampler name/signature documented on COC?
	☒	☐	7. Proper Container and preservatives used? If no, document on NOD.
☒	☐	☐	8. pH for HN03/ESI samples checked and meet requirements? If no, document on NOD.
☒	☐	☐	9. Cyanide samples checked for sulfides and meet requirements? If no, notify PM.
☒	☐	☐	10. HF Dilution required?
	☒	☐	11. Sufficient volume provided for all analysis and requested MS/MSD? If no, document on NOD and consult PM before proceeding.
	☒	☐	12. Did chain of custody agree with samples received? If no, document on NOD.
☐	☒	☐	13. Were VOA samples received without headspace?
	☐	☒	14. Did samples require preservation with sodium thiosulfate?
☒	☐	☐	15. If yes to #14, was the residual chlorine test negative? If no, document on NOD.
☒	☐	☐	16. Are dissolved/field filtered metals bottles sediment-free? If no, document on NOD.
☒	☐	☐	17. Are analyses with short holding times received in hold?
	☒	☐	18. Were special log- in instructions read and followed?

Checklist Reviewed: **Log-in initials:** PS **Labeler initials:** PS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-10860-1
Client Project/Site: General

For:
Blount, Inc.
PO BOX 22127
Portland, Oregon 97269-2127

Attn: Jason Smith

Authorized for release by:
3/29/2013 4:14:46 PM

Jay Willms
Project Manager I
jay.willms@testamericainc.com

Table of Contents

Sample Summary

Client: Blount, Inc.
Project/Site: General

TestAmerica Job ID: 250-10860-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-10860-1	755	Water	03/28/13 08:00	03/28/13 10:30

Client: Blount, Inc.
Project/Site: General

TestAmerica Job ID: 250-10860-1

Job ID: 250-10860-1

Laboratory: TestAmerica Portland

Narrative

Receipt

The sample was received on 3/28/2013 10:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 1.5º C.

GC/MS VOA

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Client: Blount, Inc.
Project/Site: General

TestAmerica Job ID: 250-10860-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Blount, Inc.
Project/Site: General

TestAmerica Job ID: 250-10860-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: 755
Date Collected: 03/28/13 08:00
Date Received: 03/28/13 10:30

Lab Sample ID: 250-10860-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			03/28/13 15:21	1
Benzene	ND		1.0		ug/L			03/28/13 15:21	1
Bromobenzene	ND		1.0		ug/L			03/28/13 15:21	1
Bromochloromethane	ND		5.0		ug/L			03/28/13 15:21	1
Bromodichloromethane	ND		1.0		ug/L			03/28/13 15:21	1
Bromoform	ND		5.0		ug/L			03/28/13 15:21	1
Bromomethane	ND		5.0		ug/L			03/28/13 15:21	1
2-Butanone (MEK)	ND		10		ug/L			03/28/13 15:21	1
n-Butylbenzene	ND		5.0		ug/L			03/28/13 15:21	1
sec-Butylbenzene	ND		1.0		ug/L			03/28/13 15:21	1
tert-Butylbenzene	ND		1.0		ug/L			03/28/13 15:21	1
Carbon disulfide	ND		10		ug/L			03/28/13 15:21	1
Carbon tetrachloride	ND		1.0		ug/L			03/28/13 15:21	1
Chlorobenzene	ND		1.0		ug/L			03/28/13 15:21	1
Chloroethane	ND		1.0		ug/L			03/28/13 15:21	1
Chloroform	ND		1.0		ug/L			03/28/13 15:21	1
Chloromethane	ND		5.0		ug/L			03/28/13 15:21	1
2-Chlorotoluene	ND		1.0		ug/L			03/28/13 15:21	1
4-Chlorotoluene	ND		1.0		ug/L			03/28/13 15:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/28/13 15:21	1
Dibromochloromethane	ND		1.0		ug/L			03/28/13 15:21	1
1,2-Dibromoethane	ND		1.0		ug/L			03/28/13 15:21	1
Dibromomethane	ND		5.0		ug/L			03/28/13 15:21	1
1,2-Dichloroethane	ND		1.0		ug/L			03/28/13 15:21	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/28/13 15:21	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/28/13 15:21	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/13 15:21	1
1,1-Dichloroethane	ND		1.0		ug/L			03/28/13 15:21	1
1,1-Dichloroethene	ND		1.0		ug/L			03/28/13 15:21	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/28/13 15:21	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/28/13 15:21	1
1,2-Dichloropropane	ND		1.0		ug/L			03/28/13 15:21	1
1,3-Dichloropropane	ND		1.0		ug/L			03/28/13 15:21	1
2,2-Dichloropropane	ND		1.0		ug/L			03/28/13 15:21	1
1,1-Dichloropropene	ND		1.0		ug/L			03/28/13 15:21	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/28/13 15:21	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/28/13 15:21	1
Ethylbenzene	ND		1.0		ug/L			03/28/13 15:21	1
Hexachlorobutadiene	ND		4.0		ug/L			03/28/13 15:21	1
2-Hexanone	ND		15		ug/L			03/28/13 15:21	1
Isopropylbenzene	ND		2.0		ug/L			03/28/13 15:21	1
p-Isopropyltoluene	ND		2.0		ug/L			03/28/13 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/28/13 15:21	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/28/13 15:21	1
Methylene Chloride	ND		5.0		ug/L			03/28/13 15:21	1
Naphthalene	ND		5.0		ug/L			03/28/13 15:21	1
N-Propylbenzene	ND		1.0		ug/L			03/28/13 15:21	1
Styrene	ND		1.0		ug/L			03/28/13 15:21	1
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/28/13 15:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 755
Date Collected: 03/28/13 08:00
Date Received: 03/28/13 10:30

Lab Sample ID: 250-10860-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/28/13 15:21	1
Tetrachloroethene	ND		1.0		ug/L			03/28/13 15:21	1
Toluene	ND		1.0		ug/L			03/28/13 15:21	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			03/28/13 15:21	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/28/13 15:21	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/28/13 15:21	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/13 15:21	1
Trichloroethene	ND		1.0		ug/L			03/28/13 15:21	1
Trichlorofluoromethane	ND		1.0		ug/L			03/28/13 15:21	1
1,2,3-Trichloropropane	ND		5.0		ug/L			03/28/13 15:21	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/28/13 15:21	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/28/13 15:21	1
Vinyl chloride	ND		1.0		ug/L			03/28/13 15:21	1
m,p-Xylene	ND		2.0		ug/L			03/28/13 15:21	1
o-Xylene	ND		1.0		ug/L			03/28/13 15:21	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/28/13 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*		*03/28/13 15:21*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*03/28/13 15:21*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*03/28/13 15:21*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*03/28/13 15:21*	*1*

Client: Blount, Inc.
Project/Site: General

TestAmerica Job ID: 250-10860-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 250-15400/7
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			03/28/13 10:50	1
Benzene	ND		1.0		ug/L			03/28/13 10:50	1
Bromobenzene	ND		1.0		ug/L			03/28/13 10:50	1
Bromochloromethane	ND		5.0		ug/L			03/28/13 10:50	1
Bromodichloromethane	ND		1.0		ug/L			03/28/13 10:50	1
Bromoform	ND		5.0		ug/L			03/28/13 10:50	1
Bromomethane	ND		5.0		ug/L			03/28/13 10:50	1
2-Butanone (MEK)	ND		10		ug/L			03/28/13 10:50	1
n-Butylbenzene	ND		5.0		ug/L			03/28/13 10:50	1
sec-Butylbenzene	ND		1.0		ug/L			03/28/13 10:50	1
tert-Butylbenzene	ND		1.0		ug/L			03/28/13 10:50	1
Carbon disulfide	ND		10		ug/L			03/28/13 10:50	1
Carbon tetrachloride	ND		1.0		ug/L			03/28/13 10:50	1
Chlorobenzene	ND		1.0		ug/L			03/28/13 10:50	1
Chloroethane	ND		1.0		ug/L			03/28/13 10:50	1
Chloroform	ND		1.0		ug/L			03/28/13 10:50	1
Chloromethane	ND		5.0		ug/L			03/28/13 10:50	1
2-Chlorotoluene	ND		1.0		ug/L			03/28/13 10:50	1
4-Chlorotoluene	ND		1.0		ug/L			03/28/13 10:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			03/28/13 10:50	1
Dibromochloromethane	ND		1.0		ug/L			03/28/13 10:50	1
1,2-Dibromoethane	ND		1.0		ug/L			03/28/13 10:50	1
Dibromomethane	ND		5.0		ug/L			03/28/13 10:50	1
1,2-Dichloroethane	ND		1.0		ug/L			03/28/13 10:50	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/28/13 10:50	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/28/13 10:50	1
Dichlorodifluoromethane	ND		5.0		ug/L			03/28/13 10:50	1
1,1-Dichloroethane	ND		1.0		ug/L			03/28/13 10:50	1
1,1-Dichloroethene	ND		1.0		ug/L			03/28/13 10:50	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/28/13 10:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/28/13 10:50	1
1,2-Dichloropropane	ND		1.0		ug/L			03/28/13 10:50	1
1,3-Dichloropropane	ND		1.0		ug/L			03/28/13 10:50	1
2,2-Dichloropropane	ND		1.0		ug/L			03/28/13 10:50	1
1,1-Dichloropropene	ND		1.0		ug/L			03/28/13 10:50	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/28/13 10:50	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/28/13 10:50	1
Ethylbenzene	ND		1.0		ug/L			03/28/13 10:50	1
Hexachlorobutadiene	ND		4.0		ug/L			03/28/13 10:50	1
2-Hexanone	ND		15		ug/L			03/28/13 10:50	1
Isopropylbenzene	ND		2.0		ug/L			03/28/13 10:50	1
p-Isopropyltoluene	ND		2.0		ug/L			03/28/13 10:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/28/13 10:50	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/28/13 10:50	1
Methylene Chloride	ND		5.0		ug/L			03/28/13 10:50	1
Naphthalene	ND		5.0		ug/L			03/28/13 10:50	1
N-Propylbenzene	ND		1.0		ug/L			03/28/13 10:50	1
Styrene	ND		1.0		ug/L			03/28/13 10:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 250-15400/7
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0		ug/L			03/28/13 10:50	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/28/13 10:50	1
Tetrachloroethene	ND		1.0		ug/L			03/28/13 10:50	1
Toluene	ND		1.0		ug/L			03/28/13 10:50	1
1,2,3-Trichlorobenzene	ND		5.0		ug/L			03/28/13 10:50	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/28/13 10:50	1
1,1,1-Trichloroethane	ND		1.0		ug/L			03/28/13 10:50	1
1,1,2-Trichloroethane	ND		5.0		ug/L			03/28/13 10:50	1
Trichloroethene	ND		1.0		ug/L			03/28/13 10:50	1
Trichlorofluoromethane	ND		1.0		ug/L			03/28/13 10:50	1
1,2,3-Trichloropropane	ND		5.0		ug/L			03/28/13 10:50	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			03/28/13 10:50	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			03/28/13 10:50	1
Vinyl chloride	ND		1.0		ug/L			03/28/13 10:50	1
m,p-Xylene	ND		2.0		ug/L			03/28/13 10:50	1
o-Xylene	ND		1.0		ug/L			03/28/13 10:50	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/28/13 10:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 120*		*03/28/13 10:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/28/13 10:50*	*1*
Dibromofluoromethane (Surr)	*114*		*80 - 120*		*03/28/13 10:50*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/28/13 10:50*	*1*

Lab Sample ID: LCS 250-15400/4
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	111		ug/L		111	55 - 145
Benzene	20.0	19.3		ug/L		97	80 - 120
Bromobenzene	20.0	20.0		ug/L		100	75 - 120
Bromochloromethane	20.0	20.7		ug/L		104	75 - 125
Bromodichloromethane	20.0	19.7		ug/L		99	80 - 130
Bromoform	20.0	18.6		ug/L		93	55 - 135
Bromomethane	20.0	22.1		ug/L		110	35 - 150
2-Butanone (MEK)	100	112		ug/L		112	70 - 140
n-Butylbenzene	20.0	19.4		ug/L		97	75 - 130
sec-Butylbenzene	20.0	20.3		ug/L		102	60 - 130
tert-Butylbenzene	20.0	20.2		ug/L		101	70 - 130
Carbon disulfide	40.0	40.2		ug/L		100	60 - 120
Carbon tetrachloride	20.0	18.9		ug/L		95	70 - 135
Chlorobenzene	20.0	19.4		ug/L		97	80 - 125
Chloroethane	20.0	21.3		ug/L		106	75 - 125
Chloroform	20.0	19.2		ug/L		96	80 - 120
Chloromethane	20.0	21.0		ug/L		105	45 - 150
2-Chlorotoluene	20.0	19.9		ug/L		99	70 - 125
4-Chlorotoluene	20.0	20.4		ug/L		102	75 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-15400/4
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	70 - 135
Dibromochloromethane	20.0	20.3		ug/L		102	65 - 140
1,2-Dibromoethane	20.0	20.7		ug/L		103	80 - 125
Dibromomethane	20.0	20.0		ug/L		100	80 - 120
1,2-Dichloroethane	20.0	19.5		ug/L		98	75 - 125
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	75 - 125
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	70 - 120
Dichlorodifluoromethane	20.0	24.0		ug/L		120	45 - 140
1,1-Dichloroethane	20.0	18.8		ug/L		94	80 - 120
1,1-Dichloroethene	20.0	18.9		ug/L		94	75 - 120
cis-1,2-Dichloroethene	20.0	18.6		ug/L		93	80 - 120
trans-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 120
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 130
1,3-Dichloropropane	20.0	20.1		ug/L		101	80 - 120
2,2-Dichloropropane	20.0	21.0		ug/L		105	60 - 145
1,1-Dichloropropene	20.0	18.7		ug/L		93	80 - 120
cis-1,3-Dichloropropene	20.0	19.6		ug/L		98	80 - 125
trans-1,3-Dichloropropene	20.0	20.1		ug/L		101	80 - 130
Ethylbenzene	20.0	19.8		ug/L		99	80 - 120
Hexachlorobutadiene	20.0	21.5		ug/L		107	60 - 150
2-Hexanone	100	102		ug/L		102	70 - 140
Isopropylbenzene	20.0	19.8		ug/L		99	75 - 125
p-Isopropyltoluene	20.0	20.4		ug/L		102	65 - 130
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	70 - 135
Methyl tert-butyl ether	20.0	19.5		ug/L		98	80 - 130
Methylene Chloride	20.0	18.9		ug/L		94	80 - 120
Naphthalene	20.0	19.7		ug/L		98	70 - 150
N-Propylbenzene	20.0	20.1		ug/L		100	75 - 130
Styrene	20.0	21.1		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	20.0	20.5		ug/L		103	65 - 140
1,1,2,2-Tetrachloroethane	20.0	21.2		ug/L		106	75 - 130
Tetrachloroethene	20.0	19.5		ug/L		98	80 - 125
Toluene	20.0	19.5		ug/L		97	80 - 125
1,2,3-Trichlorobenzene	20.0	19.4		ug/L		97	65 - 140
1,2,4-Trichlorobenzene	20.0	19.3		ug/L		97	75 - 130
1,1,1-Trichloroethane	20.0	19.5		ug/L		98	75 - 135
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 125
Trichloroethene	20.0	19.3		ug/L		97	80 - 135
Trichlorofluoromethane	20.0	21.5		ug/L		108	75 - 140
1,2,3-Trichloropropane	20.0	20.6		ug/L		103	75 - 125
1,2,4-Trimethylbenzene	20.0	20.4		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	20.0	20.5		ug/L		103	75 - 135
Vinyl chloride	20.0	19.9		ug/L		100	75 - 135
m,p-Xylene	40.0	40.1		ug/L		100	70 - 130
o-Xylene	20.0	20.4		ug/L		102	75 - 125
1,2-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-15400/4
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	108		80 - 120
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: LCSD 250-15400/5
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			100	110		ug/L		110	55 - 145	1	25
Benzene			20.0	18.2		ug/L		91	80 - 120	6	25
Bromobenzene			20.0	18.9		ug/L		94	75 - 120	6	25
Bromochloromethane			20.0	20.1		ug/L		100	75 - 125	3	25
Bromodichloromethane			20.0	19.2		ug/L		96	80 - 130	3	25
Bromoform			20.0	19.0		ug/L		95	55 - 135	3	25
Bromomethane			20.0	23.0		ug/L		115	35 - 150	4	25
2-Butanone (MEK)			100	111		ug/L		111	70 - 140	1	25
n-Butylbenzene			20.0	19.1		ug/L		96	75 - 130	1	25
sec-Butylbenzene			20.0	19.6		ug/L		98	60 - 130	4	25
tert-Butylbenzene			20.0	19.3		ug/L		96	70 - 130	5	25
Carbon disulfide			40.0	37.2		ug/L		93	60 - 120	8	25
Carbon tetrachloride			20.0	17.9		ug/L		90	70 - 135	5	25
Chlorobenzene			20.0	18.8		ug/L		94	80 - 125	3	25
Chloroethane			20.0	21.2		ug/L		106	75 - 125	0	25
Chloroform			20.0	18.5		ug/L		92	80 - 120	4	25
Chloromethane			20.0	20.4		ug/L		102	45 - 150	3	25
2-Chlorotoluene			20.0	19.2		ug/L		96	70 - 125	4	25
4-Chlorotoluene			20.0	19.6		ug/L		98	75 - 125	4	25
1,2-Dibromo-3-Chloropropane			20.0	19.8		ug/L		99	70 - 135	10	25
Dibromochloromethane			20.0	20.0		ug/L		100	65 - 140	1	25
1,2-Dibromoethane			20.0	20.3		ug/L		101	80 - 125	2	
Dibromomethane			20.0	19.5		ug/L		98	80 - 120	3	25
1,2-Dichloroethane			20.0	19.0		ug/L		95	75 - 125	3	25
1,3-Dichlorobenzene			20.0	19.7		ug/L		98	75 - 125	2	25
1,4-Dichlorobenzene			20.0	19.3		ug/L		96	70 - 120	2	25
Dichlorodifluoromethane			20.0	23.4		ug/L		117	45 - 140	3	25
1,1-Dichloroethane			20.0	18.2		ug/L		91	80 - 120	4	25
1,1-Dichloroethene			20.0	18.1		ug/L		90	75 - 120	4	25
cis-1,2-Dichloroethene			20.0	18.2		ug/L		91	80 - 120	3	25
trans-1,2-Dichloroethene			20.0	17.8		ug/L		89	80 - 120	6	25
1,2-Dichloropropane			20.0	19.0		ug/L		95	80 - 130	3	25
1,3-Dichloropropane			20.0	20.1		ug/L		101	80 - 120	0	25
2,2-Dichloropropane			20.0	20.8		ug/L		104	60 - 145	1	25
1,1-Dichloropropene			20.0	18.0		ug/L		90	80 - 120	3	25
cis-1,3-Dichloropropene			20.0	19.3		ug/L		97	80 - 125	2	25
trans-1,3-Dichloropropene			20.0	20.0		ug/L		100	80 - 130	1	25
Ethylbenzene			20.0	18.7		ug/L		94	80 - 120	6	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 250-15400/5
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	20.0	20.8		ug/L		104	60 - 150	3	25
2-Hexanone	100	103		ug/L		103	70 - 140	0	25
Isopropylbenzene	20.0	19.2		ug/L		96	75 - 125	3	25
p-Isopropyltoluene	20.0	19.5		ug/L		97	65 - 130	4	25
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	70 - 135	1	25
Methyl tert-butyl ether	20.0	19.5		ug/L		97	80 - 130	0	25
Methylene Chloride	20.0	18.6		ug/L		93	80 - 120	2	25
Naphthalene	20.0	21.0		ug/L		105	70 - 150	7	25
N-Propylbenzene	20.0	19.1		ug/L		96	75 - 130	5	25
Styrene	20.0	20.2		ug/L		101	70 - 130	4	25
1,1,1,2-Tetrachloroethane	20.0	20.2		ug/L		101	65 - 140	1	25
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	75 - 130	1	25
Tetrachloroethene	20.0	18.4		ug/L		92	80 - 125	6	25
Toluene	20.0	18.4		ug/L		92	80 - 125	6	25
1,2,3-Trichlorobenzene	20.0	20.0		ug/L		100	65 - 140	3	25
1,2,4-Trichlorobenzene	20.0	19.9		ug/L		99	75 - 130	3	25
1,1,1-Trichloroethane	20.0	17.7		ug/L		88	75 - 135	10	25
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	80 - 125	4	25
Trichloroethene	20.0	18.8		ug/L		94	80 - 135	3	25
Trichlorofluoromethane	20.0	20.9		ug/L		104	75 - 140	3	25
1,2,3-Trichloropropane	20.0	20.4		ug/L		102	75 - 125	1	25
1,2,4-Trimethylbenzene	20.0	19.6		ug/L		98	70 - 130	4	25
1,3,5-Trimethylbenzene	20.0	19.5		ug/L		97	75 - 135	5	25
Vinyl chloride	20.0	19.9		ug/L		100	75 - 135	0	25
m,p-Xylene	40.0	38.5		ug/L		96	70 - 130	4	25
o-Xylene	20.0	19.2		ug/L		96	75 - 125	6	25
1,2-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 250-10829-C-1 MS
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		10000	11000		ug/L		110	55 - 125
Benzene	560		2000	2520		ug/L		98	80 - 125
Bromobenzene	ND		2000	2020		ug/L		101	80 - 125
Bromochloromethane	ND		2000	2200		ug/L		110	80 - 130
Bromodichloromethane	ND		2000	2040		ug/L		102	80 - 135
Bromoform	ND		2000	1800		ug/L		90	65 - 150
Bromomethane	ND		2000	2600		ug/L		130	30 - 150
2-Butanone (MEK)	ND		10000	11300		ug/L		113	70 - 145
n-Butylbenzene	ND		2000	1960		ug/L		97	70 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-10829-C-1 MS
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	ND		2000	2060		ug/L		103	70 - 135
tert-Butylbenzene	ND		2000	2010		ug/L		101	70 - 135
Carbon disulfide	ND		4000	4320		ug/L		108	40 - 150
Carbon tetrachloride	ND		2000	1960		ug/L		98	75 - 130
Chlorobenzene	ND		2000	2000		ug/L		100	70 - 135
Chloroethane	ND		2000	2420		ug/L		121	75 - 130
Chloroform	ND		2000	2070		ug/L		104	80 - 125
Chloromethane	ND		2000	2090		ug/L		105	40 - 150
2-Chlorotoluene	ND		2000	2060		ug/L		103	80 - 120
4-Chlorotoluene	ND		2000	2120		ug/L		106	80 - 125
1,2-Dibromo-3-Chloropropane	ND		2000	2020		ug/L		101	55 - 145
Dibromochloromethane	ND		2000	2030		ug/L		101	80 - 130
1,2-Dibromoethane	ND		2000	1950		ug/L		98	80 - 130
Dibromomethane	ND		2000	2000		ug/L		100	75 - 135
1,2-Dichloroethane	ND		2000	2020		ug/L		101	80 - 125
1,3-Dichlorobenzene	ND		2000	2060		ug/L		103	80 - 125
1,4-Dichlorobenzene	ND		2000	2110		ug/L		105	80 - 120
Dichlorodifluoromethane	ND		2000	2600		ug/L		130	60 - 135
1,1-Dichloroethane	ND		2000	2070		ug/L		104	80 - 125
1,1-Dichloroethene	ND		2000	2040		ug/L		102	75 - 130
cis-1,2-Dichloroethene	ND		2000	2050		ug/L		103	75 - 140
trans-1,2-Dichloroethene	ND		2000	2080		ug/L		104	80 - 120
1,2-Dichloropropane	ND		2000	2030		ug/L		101	80 - 120
1,3-Dichloropropane	ND		2000	2000		ug/L		100	80 - 135
2,2-Dichloropropane	ND		2000	2380		ug/L		119	70 - 145
1,1-Dichloropropene	ND		2000	1980		ug/L		99	80 - 125
cis-1,3-Dichloropropene	ND		2000	2050		ug/L		102	80 - 130
trans-1,3-Dichloropropene	ND		2000	2040		ug/L		102	80 - 135
Ethylbenzene	240		2000	2270		ug/L		101	80 - 125
Hexachlorobutadiene	ND		2000	2070		ug/L		104	45 - 150
2-Hexanone	ND		10000	10400		ug/L		104	60 - 150
Isopropylbenzene	ND		2000	2050		ug/L		102	80 - 130
p-Isopropyltoluene	ND		2000	2040		ug/L		102	70 - 140
4-Methyl-2-pentanone (MIBK)	ND		10000	10200		ug/L		102	55 - 150
Methyl tert-butyl ether	ND		2000	2080		ug/L		104	80 - 130
Methylene Chloride	ND		2000	2190		ug/L		109	80 - 120
Naphthalene	ND		2000	2260		ug/L		113	65 - 150
N-Propylbenzene	ND		2000	2060		ug/L		101	70 - 135
Styrene	ND		2000	2100		ug/L		105	45 - 150
1,1,1,2-Tetrachloroethane	ND		2000	2080		ug/L		104	80 - 130
1,1,2,2-Tetrachloroethane	ND		2000	2150		ug/L		108	75 - 150
Tetrachloroethene	ND		2000	1930		ug/L		97	80 - 125
Toluene	2400		2000	4360		ug/L		100	75 - 135
1,2,3-Trichlorobenzene	ND		2000	2130		ug/L		106	70 - 150
1,2,4-Trichlorobenzene	ND		2000	2040		ug/L		102	70 - 150
1,1,1-Trichloroethane	ND		2000	2000		ug/L		100	80 - 130
1,1,2-Trichloroethane	ND		2000	1970		ug/L		99	80 - 130
Trichloroethene	ND		2000	2050		ug/L		103	65 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-10829-C-1 MS
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	ND		2000	2280		ug/L		114	75 - 130
1,2,3-Trichloropropane	ND		2000	2040		ug/L		102	80 - 135
1,2,4-Trimethylbenzene	500		2000	2630		ug/L		107	80 - 140
1,3,5-Trimethylbenzene	150		2000	2250		ug/L		105	70 - 145
Vinyl chloride	ND		2000	2290		ug/L		115	70 - 135
m,p-Xylene	1600		4000	5700		ug/L		102	75 - 135
o-Xylene	750		2000	2800		ug/L		102	80 - 125
1,2-Dichlorobenzene	ND		2000	1970		ug/L		98	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*112*		*80 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 250-10829-C-1 MSD
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		10000	11800		ug/L		118	55 - 125	7	25
Benzene	560		2000	2460		ug/L		95	80 - 125	2	25
Bromobenzene	ND		2000	1870		ug/L		94	80 - 125	7	25
Bromochloromethane	ND		2000	1980		ug/L		99	80 - 130	11	25
Bromodichloromethane	ND		2000	1870		ug/L		94	80 - 135	9	25
Bromoform	ND		2000	1670		ug/L		83	65 - 150	8	25
Bromomethane	ND		2000	2550		ug/L		128	30 - 150	2	25
2-Butanone (MEK)	ND		10000	11700		ug/L		117	70 - 145	4	25
n-Butylbenzene	ND		2000	1940		ug/L		96	70 - 140	1	25
sec-Butylbenzene	ND		2000	1990		ug/L		99	70 - 135	4	25
tert-Butylbenzene	ND		2000	1960		ug/L		98	70 - 135	3	25
Carbon disulfide	ND		4000	4130		ug/L		103	40 - 150	5	25
Carbon tetrachloride	ND		2000	1940		ug/L		97	75 - 130	1	25
Chlorobenzene	ND		2000	1870		ug/L		94	70 - 135	7	25
Chloroethane	ND		2000	2390		ug/L		120	75 - 130	1	25
Chloroform	ND		2000	1950		ug/L		97	80 - 125	6	25
Chloromethane	ND		2000	2000		ug/L		100	40 - 150	5	25
2-Chlorotoluene	ND		2000	1940		ug/L		97	80 - 120	6	25
4-Chlorotoluene	ND		2000	1990		ug/L		100	80 - 125	6	25
1,2-Dibromo-3-Chloropropane	ND		2000	2080		ug/L		104	55 - 145	3	25
Dibromochloromethane	ND		2000	1780		ug/L		89	80 - 130	13	25
1,2-Dibromoethane	ND		2000	1790		ug/L		89	80 - 130	9	
Dibromomethane	ND		2000	1840		ug/L		92	75 - 135	8	25
1,2-Dichloroethane	ND		2000	1800		ug/L		90	80 - 125	12	25
1,3-Dichlorobenzene	ND		2000	1910		ug/L		96	80 - 125	7	25
1,4-Dichlorobenzene	ND		2000	1880		ug/L		94	80 - 120	11	25
Dichlorodifluoromethane	ND		2000	2650		ug/L		133	60 - 135	2	25
1,1-Dichloroethane	ND		2000	1940		ug/L		97	80 - 125	7	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-10829-C-1 MSD
Matrix: Water
Analysis Batch: 15400

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		2000	1990		ug/L		100	75 - 130	2	25
cis-1,2-Dichloroethene	ND		2000	1910		ug/L		95	75 - 140	7	25
trans-1,2-Dichloroethene	ND		2000	1920		ug/L		96	80 - 120	8	25
1,2-Dichloropropane	ND		2000	1900		ug/L		95	80 - 120	6	25
1,3-Dichloropropane	ND		2000	1800		ug/L		90	80 - 135	11	25
2,2-Dichloropropane	ND		2000	2270		ug/L		114	70 - 145	5	25
1,1-Dichloropropene	ND		2000	1930		ug/L		97	80 - 125	3	25
cis-1,3-Dichloropropene	ND		2000	1830		ug/L		91	80 - 130	11	25
trans-1,3-Dichloropropene	ND		2000	1850		ug/L		92	80 - 135	10	25
Ethylbenzene	240		2000	2220		ug/L		99	80 - 125	2	25
Hexachlorobutadiene	ND		2000	2120		ug/L		106	45 - 150	2	25
2-Hexanone	ND		10000	10400		ug/L		104	60 - 150	1	25
Isopropylbenzene	ND		2000	2000		ug/L		99	80 - 130	3	25
p-Isopropyltoluene	ND		2000	1990		ug/L		99	70 - 140	3	25
4-Methyl-2-pentanone (MIBK)	ND		10000	9750		ug/L		97	55 - 150	5	25
Methyl tert-butyl ether	ND		2000	1860		ug/L		93	80 - 130	11	25
Methylene Chloride	ND		2000	2050		ug/L		102	80 - 120	6	25
Naphthalene	ND		2000	2190		ug/L		109	65 - 150	3	25
N-Propylbenzene	ND		2000	2000		ug/L		98	70 - 135	3	25
Styrene	ND		2000	2030		ug/L		101	45 - 150	4	25
1,1,1,2-Tetrachloroethane	ND		2000	1940		ug/L		97	80 - 130	7	25
1,1,2,2-Tetrachloroethane	ND		2000	1910		ug/L		96	75 - 150	12	25
Tetrachloroethene	ND		2000	1910		ug/L		96	80 - 125	1	25
Toluene	2400		2000	4260		ug/L		95	75 - 135	2	25
1,2,3-Trichlorobenzene	ND		2000	1950		ug/L		97	70 - 150	9	25
1,2,4-Trichlorobenzene	ND		2000	1920		ug/L		96	70 - 150	6	25
1,1,1-Trichloroethane	ND		2000	1910		ug/L		95	80 - 130	5	25
1,1,2-Trichloroethane	ND		2000	1820		ug/L		91	80 - 130	8	25
Trichloroethene	ND		2000	2000		ug/L		100	65 - 130	3	25
Trichlorofluoromethane	ND		2000	2280		ug/L		114	75 - 130	0	25
1,2,3-Trichloropropane	ND		2000	1850		ug/L		92	80 - 135	10	25
1,2,4-Trimethylbenzene	500		2000	2560		ug/L		103	80 - 140	3	25
1,3,5-Trimethylbenzene	150		2000	2170		ug/L		101	70 - 145	3	25
Vinyl chloride	ND		2000	2290		ug/L		114	70 - 135	0	25
m,p-Xylene	1600		4000	5670		ug/L		101	75 - 135	1	25
o-Xylene	750		2000	2760		ug/L		100	80 - 125	1	25
1,2-Dichlorobenzene	ND		2000	1850		ug/L		92	80 - 120	6	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*109*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Certification Summary

Client: Blount, Inc.
Project/Site: General

TestAmerica Job ID: 250-10860-1

Laboratory: TestAmerica Portland

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska	State Program	10	OR00040	06-30-13
Alaska (UST)	State Program	10	UST-012	12-26-13
California	State Program	9	2597	09-30-13
Oregon	NELAP	10	OR100021	01-09-14
USDA	Federal		P330-11-00092	02-17-14
Washington	State Program	10	C586	06-23-13

Method Summary

Client: Blount, Inc.
Project/Site: General

TestAmerica Job ID: 250-10860-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PRT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

250-10860 Chain of Custody

5755 8th Street East, Tacom
11922 E. First Ave., Spokane WA 99206-5302 [illegible] 90
9405 SW Nimbus Ave., Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: Blount

INVOICE TO:

REPORT TO: jason.smith@blount.com
ADDRESS: 503 653 4228

PHONE: FAX:

P.O. NUMBER:

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY: Jason Smith

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses: 10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses: 5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: HCl	REQUESTED ANALYSES: 8260B	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1 755	3-28, 08:00		✓	W	3	Preserve HCl	
2							
3							
4							
5							
6							
7							
8							
9							
10							

RELEASED BY:	PRINT NAME: Jason Smith	FIRM: Blount	DATE: 3-28 TIME: 9:55	RECEIVED BY:	PRINT NAME: Tony Badalian FIRM: TA DATE: 3/28/13 TIME: 0955
RELEASED BY:	PRINT NAME: In lab	FIRM: TA	DATE: 3/28/13 TIME: 1030	RECEIVED BY:	PRINT NAME: FIRM: DATE: TIME:

ADDITIONAL REMARKS:

TEMP: 1.5°C PAGE OF

TAL-1000 (0612)

3/29/2013

Login Sample Receipt Checklist

Client: Blount, Inc.

Job Number: 250-10860-1

Login Number: 10860

List Source: TestAmerica Portland

List Number: 1

Creator: Svabik-Seror, Philip

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-12579-1
Client Project/Site: Routine Sampling

For:
Blount, Inc.
PO BOX 22127
Portland, Oregon 97269-2127

Attn: Jason Smith

Authorized for release by:
6/27/2013 3:44:05 PM

Jay Willms, Project Manager I
jay.willms@testamericainc.com

Table of Contents

Sample Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-12579-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-12579-1	772	Water	06/21/13 09:00	06/21/13 13:20

Job ID: 250-12579-1

Laboratory: TestAmerica Portland

Narrative

Receipt

The sample was received on 6/21/2013 1:20 PM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 4.5º C.

Except:

772 (250-12579-1) No Trip Blank supplied.

GC/MS VOA

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-12579-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-12579-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: 772
Date Collected: 06/21/13 09:00
Date Received: 06/21/13 13:20

Lab Sample ID: 250-12579-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			06/25/13 11:38	1
Benzene	ND		0.20		ug/L			06/25/13 11:38	1
Bromobenzene	ND		0.50		ug/L			06/25/13 11:38	1
Bromochloromethane	ND		0.50		ug/L			06/25/13 11:38	1
Bromodichloromethane	ND		0.50		ug/L			06/25/13 11:38	1
Bromoform	ND		1.0		ug/L			06/25/13 11:38	1
Bromomethane	ND		5.0		ug/L			06/25/13 11:38	1
2-Butanone (MEK)	ND		10		ug/L			06/25/13 11:38	1
n-Butylbenzene	ND		5.0		ug/L			06/25/13 11:38	1
sec-Butylbenzene	ND		0.50		ug/L			06/25/13 11:38	1
tert-Butylbenzene	ND		1.0		ug/L			06/25/13 11:38	1
Carbon disulfide	ND		10		ug/L			06/25/13 11:38	1
Carbon tetrachloride	ND		0.50		ug/L			06/25/13 11:38	1
Chlorobenzene	ND		0.50		ug/L			06/25/13 11:38	1
Chloroethane	ND		0.50		ug/L			06/25/13 11:38	1
Chloroform	ND		0.50		ug/L			06/25/13 11:38	1
Chloromethane	ND		5.0		ug/L			06/25/13 11:38	1
2-Chlorotoluene	ND		0.50		ug/L			06/25/13 11:38	1
4-Chlorotoluene	ND		0.50		ug/L			06/25/13 11:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			06/25/13 11:38	1
Dibromochloromethane	ND		1.0		ug/L			06/25/13 11:38	1
1,2-Dibromoethane	ND		0.50		ug/L			06/25/13 11:38	1
Dibromomethane	ND		0.50		ug/L			06/25/13 11:38	1
1,2-Dichloroethane	ND		0.50		ug/L			06/25/13 11:38	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/25/13 11:38	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/25/13 11:38	1
Dichlorodifluoromethane	ND		5.0		ug/L			06/25/13 11:38	1
1,1-Dichloroethane	ND		0.50		ug/L			06/25/13 11:38	1
1,1-Dichloroethene	ND		0.50		ug/L			06/25/13 11:38	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/25/13 11:38	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/25/13 11:38	1
1,2-Dichloropropane	ND		0.50		ug/L			06/25/13 11:38	1
1,3-Dichloropropane	ND		0.50		ug/L			06/25/13 11:38	1
2,2-Dichloropropane	ND		0.50		ug/L			06/25/13 11:38	1
1,1-Dichloropropene	ND		1.0		ug/L			06/25/13 11:38	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/25/13 11:38	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/25/13 11:38	1
Ethylbenzene	ND		0.50		ug/L			06/25/13 11:38	1
Hexachlorobutadiene	ND		4.0		ug/L			06/25/13 11:38	1
2-Hexanone	ND		10		ug/L			06/25/13 11:38	1
Isopropylbenzene	ND		2.0		ug/L			06/25/13 11:38	1
p-Isopropyltoluene	ND		2.0		ug/L			06/25/13 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/25/13 11:38	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/25/13 11:38	1
Methylene Chloride	ND		5.0		ug/L			06/25/13 11:38	1
Naphthalene	ND		2.0		ug/L			06/25/13 11:38	1
N-Propylbenzene	ND		0.50		ug/L			06/25/13 11:38	1
Styrene	ND		0.50		ug/L			06/25/13 11:38	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			06/25/13 11:38	1

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-12579-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 772
Date Collected: 06/21/13 09:00
Date Received: 06/21/13 13:20

Lab Sample ID: 250-12579-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/25/13 11:38	1
Tetrachloroethene	ND		0.50		ug/L			06/25/13 11:38	1
Toluene	ND		0.50		ug/L			06/25/13 11:38	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/25/13 11:38	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/25/13 11:38	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/25/13 11:38	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/25/13 11:38	1
Trichloroethene	ND		0.50		ug/L			06/25/13 11:38	1
Trichlorofluoromethane	ND		0.50		ug/L			06/25/13 11:38	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/25/13 11:38	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			06/25/13 11:38	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/25/13 11:38	1
Vinyl chloride	ND		0.50		ug/L			06/25/13 11:38	1
m,p-Xylene	ND		1.0		ug/L			06/25/13 11:38	1
o-Xylene	ND		0.50		ug/L			06/25/13 11:38	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/25/13 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*80 - 120*		*06/25/13 11:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*06/25/13 11:38*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/25/13 11:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/25/13 11:38*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 250-17907/7
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			06/25/13 11:15	1
Benzene	ND		0.20		ug/L			06/25/13 11:15	1
Bromobenzene	ND		0.50		ug/L			06/25/13 11:15	1
Bromochloromethane	ND		0.50		ug/L			06/25/13 11:15	1
Bromodichloromethane	ND		0.50		ug/L			06/25/13 11:15	1
Bromoform	ND		1.0		ug/L			06/25/13 11:15	1
Bromomethane	ND		5.0		ug/L			06/25/13 11:15	1
2-Butanone (MEK)	ND		10		ug/L			06/25/13 11:15	1
n-Butylbenzene	ND		5.0		ug/L			06/25/13 11:15	1
sec-Butylbenzene	ND		0.50		ug/L			06/25/13 11:15	1
tert-Butylbenzene	ND		1.0		ug/L			06/25/13 11:15	1
Carbon disulfide	ND		10		ug/L			06/25/13 11:15	1
Carbon tetrachloride	ND		0.50		ug/L			06/25/13 11:15	1
Chlorobenzene	ND		0.50		ug/L			06/25/13 11:15	1
Chloroethane	ND		0.50		ug/L			06/25/13 11:15	1
Chloroform	ND		0.50		ug/L			06/25/13 11:15	1
Chloromethane	ND		5.0		ug/L			06/25/13 11:15	1
2-Chlorotoluene	ND		0.50		ug/L			06/25/13 11:15	1
4-Chlorotoluene	ND		0.50		ug/L			06/25/13 11:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			06/25/13 11:15	1
Dibromochloromethane	ND		1.0		ug/L			06/25/13 11:15	1
1,2-Dibromoethane	ND		0.50		ug/L			06/25/13 11:15	1
Dibromomethane	ND		0.50		ug/L			06/25/13 11:15	1
1,2-Dichloroethane	ND		0.50		ug/L			06/25/13 11:15	1
1,3-Dichlorobenzene	ND		0.50		ug/L			06/25/13 11:15	1
1,4-Dichlorobenzene	ND		0.50		ug/L			06/25/13 11:15	1
Dichlorodifluoromethane	ND		5.0		ug/L			06/25/13 11:15	1
1,1-Dichloroethane	ND		0.50		ug/L			06/25/13 11:15	1
1,1-Dichloroethene	ND		0.50		ug/L			06/25/13 11:15	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			06/25/13 11:15	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			06/25/13 11:15	1
1,2-Dichloropropane	ND		0.50		ug/L			06/25/13 11:15	1
1,3-Dichloropropane	ND		0.50		ug/L			06/25/13 11:15	1
2,2-Dichloropropane	ND		0.50		ug/L			06/25/13 11:15	1
1,1-Dichloropropene	ND		1.0		ug/L			06/25/13 11:15	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			06/25/13 11:15	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			06/25/13 11:15	1
Ethylbenzene	ND		0.50		ug/L			06/25/13 11:15	1
Hexachlorobutadiene	ND		4.0		ug/L			06/25/13 11:15	1
2-Hexanone	ND		10		ug/L			06/25/13 11:15	1
Isopropylbenzene	ND		2.0		ug/L			06/25/13 11:15	1
p-Isopropyltoluene	ND		2.0		ug/L			06/25/13 11:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/25/13 11:15	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/25/13 11:15	1
Methylene Chloride	ND		5.0		ug/L			06/25/13 11:15	1
Naphthalene	ND		2.0		ug/L			06/25/13 11:15	1
N-Propylbenzene	ND		0.50		ug/L			06/25/13 11:15	1
Styrene	ND		0.50		ug/L			06/25/13 11:15	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 250-17907/7
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			06/25/13 11:15	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			06/25/13 11:15	1
Tetrachloroethene	ND		0.50		ug/L			06/25/13 11:15	1
Toluene	ND		0.50		ug/L			06/25/13 11:15	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			06/25/13 11:15	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/25/13 11:15	1
1,1,1-Trichloroethane	ND		0.50		ug/L			06/25/13 11:15	1
1,1,2-Trichloroethane	ND		0.50		ug/L			06/25/13 11:15	1
Trichloroethene	ND		0.50		ug/L			06/25/13 11:15	1
Trichlorofluoromethane	ND		0.50		ug/L			06/25/13 11:15	1
1,2,3-Trichloropropane	ND		0.50		ug/L			06/25/13 11:15	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			06/25/13 11:15	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			06/25/13 11:15	1
Vinyl chloride	ND		0.50		ug/L			06/25/13 11:15	1
m,p-Xylene	ND		1.0		ug/L			06/25/13 11:15	1
o-Xylene	ND		0.50		ug/L			06/25/13 11:15	1
1,2-Dichlorobenzene	ND		0.50		ug/L			06/25/13 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*80 - 120*		*06/25/13 11:15*	*1*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*		*06/25/13 11:15*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*06/25/13 11:15*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/25/13 11:15*	*1*

Lab Sample ID: LCS 250-17907/4
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	99.7		ug/L		100	55 - 145
Benzene	20.0	20.3		ug/L		101	80 - 120
Bromobenzene	20.0	20.0		ug/L		100	75 - 120
Bromochloromethane	20.0	20.4		ug/L		102	75 - 125
Bromodichloromethane	20.0	20.8		ug/L		104	80 - 130
Bromoform	20.0	21.0		ug/L		105	55 - 135
Bromomethane	20.0	21.6		ug/L		108	35 - 150
2-Butanone (MEK)	100	99.2		ug/L		99	70 - 140
n-Butylbenzene	20.0	21.8		ug/L		109	75 - 130
sec-Butylbenzene	20.0	23.1		ug/L		116	60 - 130
tert-Butylbenzene	20.0	22.0		ug/L		110	70 - 130
Carbon disulfide	40.0	41.7		ug/L		104	60 - 120
Carbon tetrachloride	20.0	21.5		ug/L		108	70 - 135
Chlorobenzene	20.0	20.7		ug/L		104	80 - 125
Chloroethane	20.0	19.5		ug/L		97	75 - 125
Chloroform	20.0	19.5		ug/L		98	80 - 120
Chloromethane	20.0	20.9		ug/L		105	45 - 150
2-Chlorotoluene	20.0	21.5		ug/L		107	70 - 125
4-Chlorotoluene	20.0	21.9		ug/L		110	75 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-17907/4
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	21.5		ug/L		107	70 - 135
Dibromochloromethane	20.0	22.4		ug/L		112	65 - 140
1,2-Dibromoethane	20.0	21.8		ug/L		109	80 - 125
Dibromomethane	20.0	20.0		ug/L		100	80 - 120
1,2-Dichloroethane	20.0	19.2		ug/L		96	75 - 125
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	75 - 125
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	70 - 120
Dichlorodifluoromethane	20.0	18.6		ug/L		93	45 - 140
1,1-Dichloroethane	20.0	19.7		ug/L		98	80 - 120
1,1-Dichloroethene	20.0	19.9		ug/L		100	75 - 120
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 120
trans-1,2-Dichloroethene	20.0	19.9		ug/L		100	80 - 120
1,2-Dichloropropane	20.0	20.3		ug/L		102	80 - 130
1,3-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
2,2-Dichloropropane	20.0	21.8		ug/L		109	60 - 145
1,1-Dichloropropene	20.0	20.3		ug/L		101	80 - 120
cis-1,3-Dichloropropene	20.0	20.3		ug/L		102	80 - 125
trans-1,3-Dichloropropene	20.0	20.1		ug/L		101	80 - 130
Ethylbenzene	20.0	21.7		ug/L		109	80 - 120
Hexachlorobutadiene	20.0	21.5		ug/L		108	60 - 150
2-Hexanone	100	103		ug/L		103	70 - 140
Isopropylbenzene	20.0	21.8		ug/L		109	75 - 125
p-Isopropyltoluene	20.0	23.2		ug/L		116	65 - 130
4-Methyl-2-pentanone (MIBK)	100	106		ug/L		106	70 - 135
Methyl tert-butyl ether	20.0	20.5		ug/L		103	80 - 130
Methylene Chloride	20.0	19.8		ug/L		99	80 - 120
Naphthalene	20.0	23.7		ug/L		119	70 - 150
N-Propylbenzene	20.0	22.8		ug/L		114	75 - 130
Styrene	20.0	22.8		ug/L		114	70 - 130
1,1,1,2-Tetrachloroethane	20.0	22.6		ug/L		113	65 - 140
1,1,2,2-Tetrachloroethane	20.0	23.6		ug/L		118	75 - 130
Tetrachloroethene	20.0	20.5		ug/L		102	80 - 125
Toluene	20.0	20.4		ug/L		102	80 - 125
1,2,3-Trichlorobenzene	20.0	19.9		ug/L		99	65 - 140
1,2,4-Trichlorobenzene	20.0	19.9		ug/L		100	75 - 130
1,1,1-Trichloroethane	20.0	21.4		ug/L		107	75 - 135
1,1,2-Trichloroethane	20.0	21.6		ug/L		108	80 - 125
Trichloroethene	20.0	20.3		ug/L		101	80 - 135
Trichlorofluoromethane	20.0	21.8		ug/L		109	75 - 140
1,2,3-Trichloropropane	20.0	22.7		ug/L		114	75 - 125
1,2,4-Trimethylbenzene	20.0	22.5		ug/L		113	70 - 130
1,3,5-Trimethylbenzene	20.0	23.1		ug/L		116	75 - 135
Vinyl chloride	20.0	20.7		ug/L		104	75 - 135
m,p-Xylene	40.0	43.5		ug/L		109	70 - 130
o-Xylene	20.0	21.8		ug/L		109	75 - 125
1,2-Dichlorobenzene	20.0	20.3		ug/L		101	80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-17907/4
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	110		80 - 120
Dibromofluoromethane (Surr)	100		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 250-17907/5
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			100	92.2		ug/L		92	55 - 145	8	25
Benzene			20.0	19.5		ug/L		97	80 - 120	4	25
Bromobenzene			20.0	18.4		ug/L		92	75 - 120	8	25
Bromochloromethane			20.0	18.9		ug/L		95	75 - 125	7	25
Bromodichloromethane			20.0	19.5		ug/L		98	80 - 130	6	25
Bromoform			20.0	18.0		ug/L		90	55 - 135	16	25
Bromomethane			20.0	21.0		ug/L		105	35 - 150	3	25
2-Butanone (MEK)			100	95.9		ug/L		96	70 - 140	3	25
n-Butylbenzene			20.0	20.2		ug/L		101	75 - 130	8	25
sec-Butylbenzene			20.0	22.2		ug/L		111	60 - 130	4	25
tert-Butylbenzene			20.0	20.8		ug/L		104	70 - 130	6	25
Carbon disulfide			40.0	41.2		ug/L		103	60 - 120	1	25
Carbon tetrachloride			20.0	20.3		ug/L		102	70 - 135	6	25
Chlorobenzene			20.0	19.2		ug/L		96	80 - 125	8	25
Chloroethane			20.0	19.9		ug/L		100	75 - 125	2	25
Chloroform			20.0	18.6		ug/L		93	80 - 120	5	25
Chloromethane			20.0	20.7		ug/L		104	45 - 150	1	25
2-Chlorotoluene			20.0	20.2		ug/L		101	70 - 125	6	25
4-Chlorotoluene			20.0	20.4		ug/L		102	75 - 125	7	25
1,2-Dibromo-3-Chloropropane			20.0	18.5		ug/L		92	70 - 135	15	25
Dibromochloromethane			20.0	20.1		ug/L		100	65 - 140	11	25
1,2-Dibromoethane			20.0	20.2		ug/L		101	80 - 125	7	
Dibromomethane			20.0	18.8		ug/L		94	80 - 120	6	25
1,2-Dichloroethane			20.0	18.6		ug/L		93	75 - 125	3	25
1,3-Dichlorobenzene			20.0	19.3		ug/L		97	75 - 125	7	25
1,4-Dichlorobenzene			20.0	19.2		ug/L		96	70 - 120	9	25
Dichlorodifluoromethane			20.0	18.2		ug/L		91	45 - 140	2	25
1,1-Dichloroethane			20.0	18.8		ug/L		94	80 - 120	5	25
1,1-Dichloroethene			20.0	19.1		ug/L		95	75 - 120	4	25
cis-1,2-Dichloroethene			20.0	19.7		ug/L		98	80 - 120	6	25
trans-1,2-Dichloroethene			20.0	18.9		ug/L		95	80 - 120	5	25
1,2-Dichloropropane			20.0	19.4		ug/L		97	80 - 130	5	25
1,3-Dichloropropane			20.0	19.4		ug/L		97	80 - 120	6	25
2,2-Dichloropropane			20.0	21.0		ug/L		105	60 - 145	4	25
1,1-Dichloropropene			20.0	19.3		ug/L		96	80 - 120	5	25
cis-1,3-Dichloropropene			20.0	18.9		ug/L		95	80 - 125	7	25
trans-1,3-Dichloropropene			20.0	18.7		ug/L		94	80 - 130	7	25
Ethylbenzene			20.0	20.8		ug/L		104	80 - 120	4	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 250-17907/5
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene			20.0	19.7		ug/L		99	60 - 150	8	25
2-Hexanone			100	103		ug/L		103	70 - 140	1	25
Isopropylbenzene			20.0	20.8		ug/L		104	75 - 125	5	25
p-Isopropyltoluene			20.0	22.1		ug/L		111	65 - 130	5	25
4-Methyl-2-pentanone (MIBK)			100	106		ug/L		106	70 - 135	0	25
Methyl tert-butyl ether			20.0	20.7		ug/L		103	80 - 130	1	25
Methylene Chloride			20.0	18.8		ug/L		94	80 - 120	5	25
Naphthalene			20.0	21.1		ug/L		106	70 - 150	11	25
N-Propylbenzene			20.0	21.7		ug/L		109	75 - 130	5	25
Styrene			20.0	21.3		ug/L		107	70 - 130	7	25
1,1,1,2-Tetrachloroethane			20.0	20.6		ug/L		103	65 - 140	9	25
1,1,2,2-Tetrachloroethane			20.0	19.9		ug/L		100	75 - 130	17	25
Tetrachloroethene			20.0	19.3		ug/L		97	80 - 125	6	25
Toluene			20.0	19.5		ug/L		97	80 - 125	5	25
1,2,3-Trichlorobenzene			20.0	18.0		ug/L		90	65 - 140	10	25
1,2,4-Trichlorobenzene			20.0	18.0		ug/L		90	75 - 130	10	25
1,1,1-Trichloroethane			20.0	20.3		ug/L		102	75 - 135	5	25
1,1,2-Trichloroethane			20.0	19.7		ug/L		98	80 - 125	9	25
Trichloroethene			20.0	19.2		ug/L		96	80 - 135	6	25
Trichlorofluoromethane			20.0	21.3		ug/L		106	75 - 140	2	25
1,2,3-Trichloropropane			20.0	19.6		ug/L		98	75 - 125	15	25
1,2,4-Trimethylbenzene			20.0	21.4		ug/L		107	70 - 130	5	25
1,3,5-Trimethylbenzene			20.0	21.9		ug/L		110	75 - 135	5	25
Vinyl chloride			20.0	20.4		ug/L		102	75 - 135	2	25
m,p-Xylene			40.0	41.4		ug/L		103	70 - 130	5	25
o-Xylene			20.0	20.6		ug/L		103	75 - 125	6	25
1,2-Dichlorobenzene			20.0	18.1		ug/L		91	80 - 120	11	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: 250-12618-D-1 MS
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		100	85.1		ug/L		85	55 - 125
Benzene	ND		20.0	19.4		ug/L		97	80 - 125
Bromobenzene	ND		20.0	17.7		ug/L		89	80 - 125
Bromochloromethane	ND		20.0	19.6		ug/L		98	80 - 130
Bromodichloromethane	1.1		20.0	20.3		ug/L		96	80 - 135
Bromoform	ND		20.0	16.7		ug/L		83	65 - 150
Bromomethane	ND		20.0	17.8		ug/L		89	30 - 150
2-Butanone (MEK)	ND		100	89.5		ug/L		89	70 - 145
n-Butylbenzene	ND		20.0	16.8		ug/L		84	70 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-12618-D-1 MS
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	ND		20.0	18.5		ug/L		92	70 - 135
tert-Butylbenzene	ND		20.0	17.7		ug/L		89	70 - 135
Carbon disulfide	ND		40.0	41.4		ug/L		103	40 - 150
Carbon tetrachloride	ND		20.0	19.2		ug/L		96	75 - 130
Chlorobenzene	ND		20.0	19.2		ug/L		96	70 - 135
Chloroethane	ND		20.0	16.9		ug/L		85	75 - 130
Chloroform	18		20.0	35.8		ug/L		89	80 - 125
Chloromethane	ND		20.0	17.5		ug/L		88	40 - 150
2-Chlorotoluene	ND		20.0	18.7		ug/L		93	80 - 120
4-Chlorotoluene	ND		20.0	19.2		ug/L		96	80 - 125
1,2-Dibromo-3-Chloropropane	ND		20.0	15.9		ug/L		79	55 - 145
Dibromochloromethane	ND		20.0	19.8		ug/L		99	80 - 130
1,2-Dibromoethane	ND		20.0	20.0		ug/L		100	80 - 130
Dibromomethane	ND		20.0	18.8		ug/L		94	75 - 135
1,2-Dichloroethane	ND		20.0	18.6		ug/L		93	80 - 125
1,3-Dichlorobenzene	ND		20.0	17.7		ug/L		89	80 - 125
1,4-Dichlorobenzene	ND		20.0	17.7		ug/L		88	80 - 120
Dichlorodifluoromethane	ND		20.0	15.6		ug/L		78	60 - 135
1,1-Dichloroethane	ND		20.0	18.6		ug/L		93	80 - 125
1,1-Dichloroethene	ND		20.0	18.8		ug/L		94	75 - 130
cis-1,2-Dichloroethene	ND		20.0	19.7		ug/L		98	75 - 140
trans-1,2-Dichloroethene	ND		20.0	19.2		ug/L		96	80 - 120
1,2-Dichloropropane	ND		20.0	19.3		ug/L		96	80 - 120
1,3-Dichloropropane	ND		20.0	18.8		ug/L		94	80 - 135
2,2-Dichloropropane	ND		20.0	20.9		ug/L		105	70 - 145
1,1-Dichloropropene	ND		20.0	19.2		ug/L		96	80 - 125
cis-1,3-Dichloropropene	ND		20.0	18.5		ug/L		92	80 - 130
trans-1,3-Dichloropropene	ND		20.0	18.0		ug/L		90	80 - 135
Ethylbenzene	ND		20.0	19.8		ug/L		99	80 - 125
Hexachlorobutadiene	ND		20.0	14.6		ug/L		73	45 - 150
2-Hexanone	ND		100	96.0		ug/L		96	60 - 150
Isopropylbenzene	ND		20.0	18.8		ug/L		94	80 - 130
p-Isopropyltoluene	ND		20.0	18.1		ug/L		91	70 - 140
4-Methyl-2-pentanone (MIBK)	ND		100	101		ug/L		101	55 - 150
Methyl tert-butyl ether	ND		20.0	20.4		ug/L		102	80 - 130
Methylene Chloride	ND		20.0	18.7		ug/L		94	80 - 120
Naphthalene	ND		20.0	17.4		ug/L		87	65 - 150
N-Propylbenzene	ND		20.0	19.2		ug/L		96	70 - 135
Styrene	ND		20.0	20.4		ug/L		102	45 - 150
1,1,1,2-Tetrachloroethane	ND		20.0	20.2		ug/L		101	80 - 130
1,1,2,2-Tetrachloroethane	ND		20.0	18.3		ug/L		92	75 - 150
Tetrachloroethene	ND		20.0	19.0		ug/L		95	80 - 125
Toluene	ND		20.0	19.1		ug/L		95	75 - 135
1,2,3-Trichlorobenzene	ND		20.0	14.4		ug/L		72	70 - 150
1,2,4-Trichlorobenzene	ND		20.0	15.3		ug/L		76	70 - 150
1,1,1-Trichloroethane	ND		20.0	19.8		ug/L		99	80 - 130
1,1,2-Trichloroethane	ND		20.0	19.5		ug/L		98	80 - 130
Trichloroethene	ND		20.0	18.9		ug/L		94	65 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-12618-D-1 MS
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	ND		20.0	17.8		ug/L		89	75 - 130
1,2,3-Trichloropropane	ND		20.0	18.0		ug/L		90	80 - 135
1,2,4-Trimethylbenzene	ND		20.0	19.2		ug/L		96	80 - 140
1,3,5-Trimethylbenzene	ND		20.0	19.5		ug/L		98	70 - 145
Vinyl chloride	ND		20.0	16.9		ug/L		85	70 - 135
m,p-Xylene	ND		40.0	38.9		ug/L		97	75 - 135
o-Xylene	ND		20.0	19.6		ug/L		98	80 - 125
1,2-Dichlorobenzene	ND		20.0	17.3		ug/L		87	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 250-12618-D-1 MSD
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		100	78.5		ug/L		78	55 - 125	8	25
Benzene	ND		20.0	18.9		ug/L		95	80 - 125	3	25
Bromobenzene	ND		20.0	17.7		ug/L		89	80 - 125	0	25
Bromochloromethane	ND		20.0	18.9		ug/L		94	80 - 130	4	25
Bromodichloromethane	1.1		20.0	20.3		ug/L		96	80 - 135	0	25
Bromoform	ND		20.0	16.8		ug/L		84	65 - 150	0	25
Bromomethane	ND		20.0	17.2		ug/L		86	30 - 150	4	25
2-Butanone (MEK)	ND		100	86.2		ug/L		86	70 - 145	4	25
n-Butylbenzene	ND		20.0	17.6		ug/L		88	70 - 140	5	25
sec-Butylbenzene	ND		20.0	19.4		ug/L		97	70 - 135	5	25
tert-Butylbenzene	ND		20.0	18.4		ug/L		92	70 - 135	4	25
Carbon disulfide	ND		40.0	40.3		ug/L		101	40 - 150	3	25
Carbon tetrachloride	ND		20.0	19.2		ug/L		96	75 - 130	0	25
Chlorobenzene	ND		20.0	18.7		ug/L		94	70 - 135	2	25
Chloroethane	ND		20.0	17.5		ug/L		87	75 - 130	3	25
Chloroform	18		20.0	34.9		ug/L		84	80 - 125	2	25
Chloromethane	ND		20.0	16.9		ug/L		85	40 - 150	4	25
2-Chlorotoluene	ND		20.0	18.8		ug/L		94	80 - 120	1	25
4-Chlorotoluene	ND		20.0	19.4		ug/L		97	80 - 125	1	25
1,2-Dibromo-3-Chloropropane	ND		20.0	15.4		ug/L		77	55 - 145	3	25
Dibromochloromethane	ND		20.0	19.5		ug/L		97	80 - 130	1	25
1,2-Dibromoethane	ND		20.0	19.5		ug/L		98	80 - 130	2	
Dibromomethane	ND		20.0	18.4		ug/L		92	75 - 135	2	25
1,2-Dichloroethane	ND		20.0	18.1		ug/L		91	80 - 125	2	25
1,3-Dichlorobenzene	ND		20.0	18.2		ug/L		91	80 - 125	3	25
1,4-Dichlorobenzene	ND		20.0	18.1		ug/L		91	80 - 120	2	25
Dichlorodifluoromethane	ND		20.0	16.0		ug/L		80	60 - 135	3	25
1,1-Dichloroethane	ND		20.0	18.3		ug/L		91	80 - 125	2	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-12618-D-1 MSD
Matrix: Water
Analysis Batch: 17907

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		20.0	18.5		ug/L		92	75 - 130	2	25
cis-1,2-Dichloroethene	ND		20.0	19.5		ug/L		98	75 - 140	1	25
trans-1,2-Dichloroethene	ND		20.0	18.5		ug/L		93	80 - 120	3	25
1,2-Dichloropropane	ND		20.0	18.9		ug/L		95	80 - 120	2	25
1,3-Dichloropropane	ND		20.0	18.7		ug/L		93	80 - 135	1	25
2,2-Dichloropropane	ND		20.0	20.7		ug/L		103	70 - 145	1	25
1,1-Dichloropropene	ND		20.0	18.8		ug/L		94	80 - 125	2	25
cis-1,3-Dichloropropene	ND		20.0	18.2		ug/L		91	80 - 130	2	25
trans-1,3-Dichloropropene	ND		20.0	18.3		ug/L		91	80 - 135	2	25
Ethylbenzene	ND		20.0	19.8		ug/L		99	80 - 125	0	25
Hexachlorobutadiene	ND		20.0	16.4		ug/L		82	45 - 150	12	25
2-Hexanone	ND		100	94.5		ug/L		95	60 - 150	2	25
Isopropylbenzene	ND		20.0	19.3		ug/L		97	80 - 130	3	25
p-Isopropyltoluene	ND		20.0	19.3		ug/L		97	70 - 140	6	25
4-Methyl-2-pentanone (MIBK)	ND		100	99.8		ug/L		100	55 - 150	1	25
Methyl tert-butyl ether	ND		20.0	20.6		ug/L		103	80 - 130	1	25
Methylene Chloride	ND		20.0	18.5		ug/L		92	80 - 120	1	25
Naphthalene	ND		20.0	18.2		ug/L		91	65 - 150	4	25
N-Propylbenzene	ND		20.0	19.9		ug/L		99	70 - 135	4	25
Styrene	ND		20.0	20.4		ug/L		102	45 - 150	0	25
1,1,1,2-Tetrachloroethane	ND		20.0	19.7		ug/L		99	80 - 130	2	25
1,1,2,2-Tetrachloroethane	ND		20.0	18.7		ug/L		93	75 - 150	2	25
Tetrachloroethene	ND		20.0	18.4		ug/L		92	80 - 125	3	25
Toluene	ND		20.0	18.7		ug/L		94	75 - 135	2	25
1,2,3-Trichlorobenzene	ND		20.0	15.7		ug/L		79	70 - 150	9	25
1,2,4-Trichlorobenzene	ND		20.0	16.1		ug/L		80	70 - 150	5	25
1,1,1-Trichloroethane	ND		20.0	19.4		ug/L		97	80 - 130	2	25
1,1,2-Trichloroethane	ND		20.0	19.4		ug/L		97	80 - 130	1	25
Trichloroethene	ND		20.0	18.5		ug/L		92	65 - 130	2	25
Trichlorofluoromethane	ND		20.0	17.5		ug/L		87	75 - 130	2	25
1,2,3-Trichloropropane	ND		20.0	18.2		ug/L		91	80 - 135	1	25
1,2,4-Trimethylbenzene	ND		20.0	19.9		ug/L		99	80 - 140	4	25
1,3,5-Trimethylbenzene	ND		20.0	19.9		ug/L		100	70 - 145	2	25
Vinyl chloride	ND		20.0	16.7		ug/L		84	70 - 135	1	25
m,p-Xylene	ND		40.0	39.3		ug/L		98	75 - 135	1	25
o-Xylene	ND		20.0	19.6		ug/L		98	80 - 125	0	25
1,2-Dichlorobenzene	ND		20.0	17.4		ug/L		87	80 - 120	1	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*111*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

Certification Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-12579-1

Laboratory: TestAmerica Portland

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-012	12-26-13
California	State Program	9	2597	09-30-13
Oregon	NELAP	10	OR100021	01-09-14
USDA	Federal		P330-11-00092	02-17-14
Washington	State Program	10	C586	06-23-13 *

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-12579-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PRT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

5755 8th Street East, Taco... 047
11922 E. First Ave., Spok... 290
9405 SW Nimbus Ave., Beave... 210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

250-12579 Chain of Custody

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: Blount - Int'l Way
REPORT TO: ADDRESS: jason.smith@blount.com
PHONE: 5036534228 FAX:
PROJECT NAME:
PROJECT NUMBER:
SAMPLED BY: J. Smith

INVOICE TO:
P.O. NUMBER:

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: (10) STD. 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 STD. 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE: HCl
REQUESTED ANALYSES: 8260B

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	8260B	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	772	6/21, 09:00	✓	W	3	Preserve HCl	
2							
3							
4							
5							
6							
7							
8							
9							
10							

RELEASED BY: [signature] PRINT NAME: Jason Smith FIRM: Blount DATE: 6-21-13 TIME: 12:20
RECEIVED BY: [signature] 6/21/13 12:20pm PRINT NAME: FIRM: DATE: TIME:
RELEASED BY: [signature] 6/21/13 1:20pm PRINT NAME: FIRM: DATE: TIME:
RECEIVED BY: [signature] PRINT NAME: [illegible] FIRM: TAP DATE: 6/21/13 TIME: 1320
ADDITIONAL REMARKS:
TEMP: 4.5
PAGE OF

TAL-1000 (0612)
1R/P-L

Login Sample Receipt Checklist

Client: Blount, Inc.

Job Number: 250-12579-1

Login Number: 12579

List Source: TestAmerica Portland

List Number: 1

Creator: Svabik-Seror, Philip M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
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 containers received 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.	False	No Trip Blank supplied.
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-14431-1
Client Project/Site: Routine Sampling

For:
Blount, Inc.
PO BOX 22127
Portland, Oregon 97269-2127

Attn: Jason Smith

Authorized for release by:
10/3/2013 12:58:34 PM

Jay Willms, Project Manager I
(503)906-9238
jay.willms@testamericainc.com

Table of Contents

Sample Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-14431-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-14431-1	778	Water	09/27/13 09:00	09/27/13 11:54

Job ID: 250-14431-1

Laboratory: TestAmerica Portland

Narrative

Receipt
The sample was received on 9/27/2013 11:54 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6º C.

Except:

778 (250-14431-1) No Trip Blank submitted.

GC/MS VOA - Method 8260B:
The continuing calibration verification (CCV) for bromomethane associated with batch 20684 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-14431-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-14431-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: 778
Date Collected: 09/27/13 09:00
Date Received: 09/27/13 11:54

Lab Sample ID: 250-14431-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			10/01/13 14:09	1
Benzene	ND		0.20		ug/L			10/01/13 14:09	1
Bromobenzene	ND		0.50		ug/L			10/01/13 14:09	1
Bromochloromethane	ND		0.50		ug/L			10/01/13 14:09	1
Bromodichloromethane	ND		0.50		ug/L			10/01/13 14:09	1
Bromoform	ND		1.0		ug/L			10/01/13 14:09	1
Bromomethane	ND		5.0		ug/L			10/01/13 14:09	1
2-Butanone (MEK)	ND		10		ug/L			10/01/13 14:09	1
n-Butylbenzene	ND		5.0		ug/L			10/01/13 14:09	1
sec-Butylbenzene	ND		0.50		ug/L			10/01/13 14:09	1
tert-Butylbenzene	ND		1.0		ug/L			10/01/13 14:09	1
Carbon disulfide	ND		10		ug/L			10/01/13 14:09	1
Carbon tetrachloride	ND		0.50		ug/L			10/01/13 14:09	1
Chlorobenzene	ND		0.50		ug/L			10/01/13 14:09	1
Chloroethane	ND		0.50		ug/L			10/01/13 14:09	1
Chloroform	ND		0.50		ug/L			10/01/13 14:09	1
Chloromethane	ND		5.0		ug/L			10/01/13 14:09	1
2-Chlorotoluene	ND		0.50		ug/L			10/01/13 14:09	1
4-Chlorotoluene	ND		0.50		ug/L			10/01/13 14:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/01/13 14:09	1
Dibromochloromethane	ND		1.0		ug/L			10/01/13 14:09	1
1,2-Dibromoethane	ND		0.50		ug/L			10/01/13 14:09	1
Dibromomethane	ND		0.50		ug/L			10/01/13 14:09	1
1,2-Dichloroethane	ND		0.50		ug/L			10/01/13 14:09	1
1,3-Dichlorobenzene	ND		0.50		ug/L			10/01/13 14:09	1
1,4-Dichlorobenzene	ND		0.50		ug/L			10/01/13 14:09	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/01/13 14:09	1
1,1-Dichloroethane	ND		0.50		ug/L			10/01/13 14:09	1
1,1-Dichloroethene	ND		0.50		ug/L			10/01/13 14:09	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			10/01/13 14:09	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			10/01/13 14:09	1
1,2-Dichloropropane	ND		0.50		ug/L			10/01/13 14:09	1
1,3-Dichloropropane	ND		0.50		ug/L			10/01/13 14:09	1
2,2-Dichloropropane	ND		0.50		ug/L			10/01/13 14:09	1
1,1-Dichloropropene	ND		1.0		ug/L			10/01/13 14:09	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			10/01/13 14:09	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			10/01/13 14:09	1
Ethylbenzene	ND		0.50		ug/L			10/01/13 14:09	1
Hexachlorobutadiene	ND		4.0		ug/L			10/01/13 14:09	1
2-Hexanone	ND		10		ug/L			10/01/13 14:09	1
Isopropylbenzene	ND		2.0		ug/L			10/01/13 14:09	1
p-Isopropyltoluene	ND		2.0		ug/L			10/01/13 14:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			10/01/13 14:09	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/01/13 14:09	1
Methylene Chloride	ND		5.0		ug/L			10/01/13 14:09	1
Naphthalene	ND		2.0		ug/L			10/01/13 14:09	1
N-Propylbenzene	ND		0.50		ug/L			10/01/13 14:09	1
Styrene	ND		0.50		ug/L			10/01/13 14:09	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			10/01/13 14:09	1

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-14431-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 778
Date Collected: 09/27/13 09:00
Date Received: 09/27/13 11:54

Lab Sample ID: 250-14431-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			10/01/13 14:09	1
Tetrachloroethene	ND		0.50		ug/L			10/01/13 14:09	1
Toluene	ND		0.50		ug/L			10/01/13 14:09	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/01/13 14:09	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/01/13 14:09	1
1,1,1-Trichloroethane	ND		0.50		ug/L			10/01/13 14:09	1
1,1,2-Trichloroethane	ND		0.50		ug/L			10/01/13 14:09	1
Trichloroethene	ND		0.50		ug/L			10/01/13 14:09	1
Trichlorofluoromethane	ND		0.50		ug/L			10/01/13 14:09	1
1,2,3-Trichloropropane	ND		0.50		ug/L			10/01/13 14:09	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/01/13 14:09	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			10/01/13 14:09	1
Vinyl chloride	ND		0.50		ug/L			10/01/13 14:09	1
m,p-Xylene	ND		1.0		ug/L			10/01/13 14:09	1
o-Xylene	ND		0.50		ug/L			10/01/13 14:09	1
1,2-Dichlorobenzene	ND		0.50		ug/L			10/01/13 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*		*10/01/13 14:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/01/13 14:09*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*10/01/13 14:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/01/13 14:09*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 250-20684/7
Matrix: Water
Analysis Batch: 20684

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			10/01/13 11:53	1
Benzene	ND		0.20		ug/L			10/01/13 11:53	1
Bromobenzene	ND		0.50		ug/L			10/01/13 11:53	1
Bromochloromethane	ND		0.50		ug/L			10/01/13 11:53	1
Bromodichloromethane	ND		0.50		ug/L			10/01/13 11:53	1
Bromoform	ND		1.0		ug/L			10/01/13 11:53	1
Bromomethane	ND		5.0		ug/L			10/01/13 11:53	1
2-Butanone (MEK)	ND		10		ug/L			10/01/13 11:53	1
n-Butylbenzene	ND		5.0		ug/L			10/01/13 11:53	1
sec-Butylbenzene	ND		0.50		ug/L			10/01/13 11:53	1
tert-Butylbenzene	ND		1.0		ug/L			10/01/13 11:53	1
Carbon disulfide	ND		10		ug/L			10/01/13 11:53	1
Carbon tetrachloride	ND		0.50		ug/L			10/01/13 11:53	1
Chlorobenzene	ND		0.50		ug/L			10/01/13 11:53	1
Chloroethane	ND		0.50		ug/L			10/01/13 11:53	1
Chloroform	ND		0.50		ug/L			10/01/13 11:53	1
Chloromethane	ND		5.0		ug/L			10/01/13 11:53	1
2-Chlorotoluene	ND		0.50		ug/L			10/01/13 11:53	1
4-Chlorotoluene	ND		0.50		ug/L			10/01/13 11:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/01/13 11:53	1
Dibromochloromethane	ND		1.0		ug/L			10/01/13 11:53	1
1,2-Dibromoethane	ND		0.50		ug/L			10/01/13 11:53	1
Dibromomethane	ND		0.50		ug/L			10/01/13 11:53	1
1,2-Dichloroethane	ND		0.50		ug/L			10/01/13 11:53	1
1,3-Dichlorobenzene	ND		0.50		ug/L			10/01/13 11:53	1
1,4-Dichlorobenzene	ND		0.50		ug/L			10/01/13 11:53	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/01/13 11:53	1
1,1-Dichloroethane	ND		0.50		ug/L			10/01/13 11:53	1
1,1-Dichloroethene	ND		0.50		ug/L			10/01/13 11:53	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			10/01/13 11:53	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			10/01/13 11:53	1
1,2-Dichloropropane	ND		0.50		ug/L			10/01/13 11:53	1
1,3-Dichloropropane	ND		0.50		ug/L			10/01/13 11:53	1
2,2-Dichloropropane	ND		0.50		ug/L			10/01/13 11:53	1
1,1-Dichloropropene	ND		1.0		ug/L			10/01/13 11:53	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			10/01/13 11:53	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			10/01/13 11:53	1
Ethylbenzene	ND		0.50		ug/L			10/01/13 11:53	1
Hexachlorobutadiene	ND		4.0		ug/L			10/01/13 11:53	1
2-Hexanone	ND		10		ug/L			10/01/13 11:53	1
Isopropylbenzene	ND		2.0		ug/L			10/01/13 11:53	1
p-Isopropyltoluene	ND		2.0		ug/L			10/01/13 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			10/01/13 11:53	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/01/13 11:53	1
Methylene Chloride	ND		5.0		ug/L			10/01/13 11:53	1
Naphthalene	ND		2.0		ug/L			10/01/13 11:53	1
N-Propylbenzene	ND		0.50		ug/L			10/01/13 11:53	1
Styrene	ND		0.50		ug/L			10/01/13 11:53	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 250-20684/7
Matrix: Water
Analysis Batch: 20684

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			10/01/13 11:53	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			10/01/13 11:53	1
Tetrachloroethene	ND		0.50		ug/L			10/01/13 11:53	1
Toluene	ND		0.50		ug/L			10/01/13 11:53	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			10/01/13 11:53	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/01/13 11:53	1
1,1,1-Trichloroethane	ND		0.50		ug/L			10/01/13 11:53	1
1,1,2-Trichloroethane	ND		0.50		ug/L			10/01/13 11:53	1
Trichloroethene	ND		0.50		ug/L			10/01/13 11:53	1
Trichlorofluoromethane	ND		0.50		ug/L			10/01/13 11:53	1
1,2,3-Trichloropropane	ND		0.50		ug/L			10/01/13 11:53	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			10/01/13 11:53	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			10/01/13 11:53	1
Vinyl chloride	ND		0.50		ug/L			10/01/13 11:53	1
m,p-Xylene	ND		1.0		ug/L			10/01/13 11:53	1
o-Xylene	ND		0.50		ug/L			10/01/13 11:53	1
1,2-Dichlorobenzene	ND		0.50		ug/L			10/01/13 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*10/01/13 11:53*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*10/01/13 11:53*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*10/01/13 11:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/01/13 11:53*	*1*

Lab Sample ID: LCS 250-20684/4
Matrix: Water
Analysis Batch: 20684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	113		ug/L		113	55 - 145
Benzene	20.0	20.5		ug/L		102	80 - 120
Bromobenzene	20.0	18.5		ug/L		93	75 - 120
Bromochloromethane	20.0	20.6		ug/L		103	75 - 125
Bromodichloromethane	20.0	21.1		ug/L		105	80 - 130
Bromoform	20.0	17.1		ug/L		86	55 - 135
Bromomethane	20.0	27.5		ug/L		137	35 - 150
2-Butanone (MEK)	100	120		ug/L		120	70 - 140
n-Butylbenzene	20.0	21.2		ug/L		106	75 - 130
sec-Butylbenzene	20.0	19.8		ug/L		99	60 - 130
tert-Butylbenzene	20.0	19.6		ug/L		98	70 - 130
Carbon disulfide	40.0	46.6		ug/L		116	60 - 120
Carbon tetrachloride	20.0	23.8		ug/L		119	70 - 135
Chlorobenzene	20.0	20.2		ug/L		101	80 - 125
Chloroethane	20.0	22.0		ug/L		110	75 - 125
Chloroform	20.0	21.1		ug/L		105	80 - 120
Chloromethane	20.0	18.1		ug/L		91	45 - 150
2-Chlorotoluene	20.0	18.9		ug/L		94	70 - 125
4-Chlorotoluene	20.0	19.4		ug/L		97	75 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-20684/4
Matrix: Water
Analysis Batch: 20684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	19.0		ug/L		95	70 - 135
Dibromochloromethane	20.0	20.4		ug/L		102	65 - 140
1,2-Dibromoethane	20.0	20.8		ug/L		104	80 - 125
Dibromomethane	20.0	21.3		ug/L		107	80 - 120
1,2-Dichloroethane	20.0	20.6		ug/L		103	75 - 125
1,3-Dichlorobenzene	20.0	18.8		ug/L		94	75 - 125
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	70 - 120
Dichlorodifluoromethane	20.0	21.0		ug/L		105	45 - 140
1,1-Dichloroethane	20.0	21.2		ug/L		106	80 - 120
1,1-Dichloroethene	20.0	20.1		ug/L		100	75 - 120
cis-1,2-Dichloroethene	20.0	20.3		ug/L		102	80 - 120
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	80 - 120
1,2-Dichloropropane	20.0	21.8		ug/L		109	80 - 130
1,3-Dichloropropane	20.0	21.4		ug/L		107	80 - 120
2,2-Dichloropropane	20.0	22.7		ug/L		114	60 - 145
1,1-Dichloropropene	20.0	21.4		ug/L		107	80 - 120
cis-1,3-Dichloropropene	20.0	20.9		ug/L		105	80 - 125
trans-1,3-Dichloropropene	20.0	21.1		ug/L		106	80 - 130
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120
Hexachlorobutadiene	20.0	20.0		ug/L		100	60 - 150
2-Hexanone	100	115		ug/L		115	70 - 140
Isopropylbenzene	20.0	19.6		ug/L		98	75 - 125
p-Isopropyltoluene	20.0	19.8		ug/L		99	65 - 130
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	70 - 135
Methyl tert-butyl ether	20.0	21.2		ug/L		106	80 - 130
Methylene Chloride	20.0	20.2		ug/L		101	80 - 120
Naphthalene	20.0	21.0		ug/L		105	70 - 150
N-Propylbenzene	20.0	19.8		ug/L		99	75 - 130
Styrene	20.0	20.1		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	20.0	21.2		ug/L		106	65 - 140
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		92	75 - 130
Tetrachloroethene	20.0	20.8		ug/L		104	80 - 125
Toluene	20.0	20.8		ug/L		104	80 - 125
1,2,3-Trichlorobenzene	20.0	20.3		ug/L		101	65 - 140
1,2,4-Trichlorobenzene	20.0	20.3		ug/L		101	75 - 130
1,1,1-Trichloroethane	20.0	21.5		ug/L		108	75 - 135
1,1,2-Trichloroethane	20.0	21.1		ug/L		106	80 - 125
Trichloroethene	20.0	20.9		ug/L		105	80 - 135
Trichlorofluoromethane	20.0	22.4		ug/L		112	75 - 140
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	75 - 125
1,2,4-Trimethylbenzene	20.0	19.8		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	75 - 135
Vinyl chloride	20.0	21.3		ug/L		107	75 - 135
m,p-Xylene	40.0	38.5		ug/L		96	70 - 130
o-Xylene	20.0	19.3		ug/L		96	75 - 125
1,2-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-20684/4
Matrix: Water
Analysis Batch: 20684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 250-20684/5
Matrix: Water
Analysis Batch: 20684

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			100	123		ug/L		123	55 - 145	9	25
Benzene			20.0	20.0		ug/L		100	80 - 120	2	25
Bromobenzene			20.0	19.0		ug/L		95	75 - 120	3	25
Bromochloromethane			20.0	21.0		ug/L		105	75 - 125	2	25
Bromodichloromethane			20.0	21.1		ug/L		106	80 - 130	0	25
Bromoform			20.0	18.1		ug/L		91	55 - 135	6	25
Bromomethane			20.0	27.0		ug/L		135	35 - 150	2	25
2-Butanone (MEK)			100	127		ug/L		127	70 - 140	6	25
n-Butylbenzene			20.0	20.9		ug/L		105	75 - 130	1	25
sec-Butylbenzene			20.0	19.3		ug/L		97	60 - 130	2	25
tert-Butylbenzene			20.0	19.1		ug/L		96	70 - 130	3	25
Carbon disulfide			40.0	45.0		ug/L		113	60 - 120	3	25
Carbon tetrachloride			20.0	23.0		ug/L		115	70 - 135	4	25
Chlorobenzene			20.0	20.0		ug/L		100	80 - 125	1	25
Chloroethane			20.0	21.2		ug/L		106	75 - 125	4	25
Chloroform			20.0	20.7		ug/L		103	80 - 120	2	25
Chloromethane			20.0	17.5		ug/L		87	45 - 150	4	25
2-Chlorotoluene			20.0	18.6		ug/L		93	70 - 125	1	25
4-Chlorotoluene			20.0	19.3		ug/L		97	75 - 125	0	25
1,2-Dibromo-3-Chloropropane			20.0	20.2		ug/L		101	70 - 135	6	25
Dibromochloromethane			20.0	21.6		ug/L		108	65 - 140	6	25
1,2-Dibromoethane			20.0	21.4		ug/L		107	80 - 125	3	
Dibromomethane			20.0	21.6		ug/L		108	80 - 120	1	25
1,2-Dichloroethane			20.0	20.8		ug/L		104	75 - 125	1	25
1,3-Dichlorobenzene			20.0	18.5		ug/L		92	75 - 125	2	25
1,4-Dichlorobenzene			20.0	18.9		ug/L		94	70 - 120	1	25
Dichlorodifluoromethane			20.0	19.8		ug/L		99	45 - 140	6	25
1,1-Dichloroethane			20.0	20.9		ug/L		104	80 - 120	2	25
1,1-Dichloroethene			20.0	19.9		ug/L		99	75 - 120	1	25
cis-1,2-Dichloroethene			20.0	20.7		ug/L		103	80 - 120	2	25
trans-1,2-Dichloroethene			20.0	20.7		ug/L		104	80 - 120	2	25
1,2-Dichloropropane			20.0	21.5		ug/L		107	80 - 130	1	25
1,3-Dichloropropane			20.0	22.1		ug/L		110	80 - 120	3	25
2,2-Dichloropropane			20.0	22.9		ug/L		115	60 - 145	1	25
1,1-Dichloropropene			20.0	21.3		ug/L		106	80 - 120	1	25
cis-1,3-Dichloropropene			20.0	21.3		ug/L		106	80 - 125	2	25
trans-1,3-Dichloropropene			20.0	21.6		ug/L		108	80 - 130	3	25
Ethylbenzene			20.0	18.7		ug/L		93	80 - 120	2	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 250-20684/5
Matrix: Water
Analysis Batch: 20684

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene			20.0	19.4		ug/L		97	60 - 150	3	25
2-Hexanone			100	125		ug/L		125	70 - 140	8	25
Isopropylbenzene			20.0	19.0		ug/L		95	75 - 125	3	25
p-Isopropyltoluene			20.0	19.4		ug/L		97	65 - 130	2	25
4-Methyl-2-pentanone (MIBK)			100	117		ug/L		117	70 - 135	8	25
Methyl tert-butyl ether			20.0	22.4		ug/L		112	80 - 130	5	25
Methylene Chloride			20.0	20.1		ug/L		100	80 - 120	1	25
Naphthalene			20.0	22.8		ug/L		114	70 - 150	8	25
N-Propylbenzene			20.0	19.6		ug/L		98	75 - 130	1	25
Styrene			20.0	19.6		ug/L		98	70 - 130	3	25
1,1,1,2-Tetrachloroethane			20.0	20.9		ug/L		104	65 - 140	1	25
1,1,2,2-Tetrachloroethane			20.0	19.8		ug/L		99	75 - 130	8	25
Tetrachloroethene			20.0	20.7		ug/L		104	80 - 125	0	25
Toluene			20.0	20.4		ug/L		102	80 - 125	2	25
1,2,3-Trichlorobenzene			20.0	21.2		ug/L		106	65 - 140	4	25
1,2,4-Trichlorobenzene			20.0	21.0		ug/L		105	75 - 130	3	25
1,1,1-Trichloroethane			20.0	21.3		ug/L		106	75 - 135	1	25
1,1,2-Trichloroethane			20.0	21.2		ug/L		106	80 - 125	0	25
Trichloroethene			20.0	20.8		ug/L		104	80 - 135	0	25
Trichlorofluoromethane			20.0	21.4		ug/L		107	75 - 140	5	25
1,2,3-Trichloropropane			20.0	19.5		ug/L		98	75 - 125	5	25
1,2,4-Trimethylbenzene			20.0	19.8		ug/L		99	70 - 130	0	25
1,3,5-Trimethylbenzene			20.0	19.9		ug/L		100	75 - 135	0	25
Vinyl chloride			20.0	20.5		ug/L		102	75 - 135	4	25
m,p-Xylene			40.0	38.1		ug/L		95	70 - 130	1	25
o-Xylene			20.0	19.1		ug/L		96	75 - 125	1	25
1,2-Dichlorobenzene			20.0	20.0		ug/L		100	80 - 120	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Certification Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-14431-1

Laboratory: TestAmerica Portland

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-012	12-26-13
California	State Program	9	2597	09-30-13 *
Oregon	NELAP	10	OR100021	01-09-14
USDA	Federal		P330-11-00092	02-17-14
Washington	State Program	10	C586	06-23-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-14431-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PRT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

5755 8th Street
11922 E. First A
9405 SW Nimbus A
2000 W International Airport Rd Ste A10, Anchorage,

250-14431 Chain of Custody

AX 922-5047
AX 924-9290
AX 906-9210 ✓
AX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: Blount

REPORT TO:
ADDRESS: jason.smith@blount.com

PHONE: 503-653-4228 FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY: J. Smith

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses
[10] STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses
[5] STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: HCl	REQUESTED ANALYSES: 8260B ✓	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	TB	9-27-13, 09:00		✓	W	3	Pres. HCl	
2								
3								
4								
5								
6								
7								
8								
9								
10								

RELEASED BY: Jason Smith DATE: 9-27-13 TIME: 11:30 RECEIVED BY: Jeremy M FIRM: M.E. DATE: 9/27/13 TIME: 1130

PRINT NAME: Jason Smith FIRM: Blount

RELEASED BY: DATE: 9/27/13 TIME: 11:54 RECEIVED BY: Tom Krueger FIRM: TAS DATE: 09/27/13 TIME: 1154

PRINT NAME: PRINT NAME:

FIRM: M.E.

ADDITIONAL REMARKS: IR 1 P/C

TEMP: 0.6 PAGE OF

TAL-1000 (0612)

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10/3/2013

Login Sample Receipt Checklist

Client: Blount, Inc.

Job Number: 250-14431-1

Login Number: 14431

List Source: TestAmerica Portland

List Number: 1

Creator: Svabik-Seror, Philip M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
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 containers received 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.	False	No Trip Blank submitted.
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Portland
9405 SW Nimbus Ave.
Beaverton, OR 97008
Tel: (503)906-9200

TestAmerica Job ID: 250-16200-1
Client Project/Site: Routine Sampling

For:
Blount, Inc.
PO BOX 22127
Portland, Oregon 97269-2127

Attn: Jason Smith

Authorized for release by:
12/27/2013 4:19:33 PM

Jay Willms, Project Manager I
(503)906-9238
jay.willms@testamericainc.com

Table of Contents

Sample Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-16200-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
250-16200-1	782	Water	12/20/13 07:30	12/20/13 11:50

Job ID: 250-16200-1

Laboratory: TestAmerica Portland

Narrative

Receipt
The sample was received on 12/20/2013 11:50 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

Except:

782 (250-16200-1) No Trip Blank supplied.

GC/MS VOA - Method 8260B:
The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis. Elevated reporting limits (RLs) are provided.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with batch 250-23143 for Dibromochloromethane was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-16200-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-16200-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: 782
Date Collected: 12/20/13 07:30
Date Received: 12/20/13 11:50

Lab Sample ID: 250-16200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			12/24/13 15:59	1
Benzene	ND		0.20		ug/L			12/24/13 15:59	1
Bromobenzene	ND		0.50		ug/L			12/24/13 15:59	1
Bromochloromethane	ND		0.50		ug/L			12/24/13 15:59	1
Bromodichloromethane	ND		0.50		ug/L			12/24/13 15:59	1
Bromoform	ND		1.0		ug/L			12/24/13 15:59	1
Bromomethane	ND		5.0		ug/L			12/24/13 15:59	1
2-Butanone (MEK)	ND		10		ug/L			12/24/13 15:59	1
n-Butylbenzene	ND		5.0		ug/L			12/24/13 15:59	1
sec-Butylbenzene	ND		0.50		ug/L			12/24/13 15:59	1
tert-Butylbenzene	ND		1.0		ug/L			12/24/13 15:59	1
Carbon disulfide	ND		10		ug/L			12/24/13 15:59	1
Carbon tetrachloride	ND		0.50		ug/L			12/24/13 15:59	1
Chlorobenzene	ND		0.50		ug/L			12/24/13 15:59	1
Chloroethane	ND		0.50		ug/L			12/24/13 15:59	1
Chloroform	ND		0.50		ug/L			12/24/13 15:59	1
Chloromethane	ND		5.0		ug/L			12/24/13 15:59	1
2-Chlorotoluene	ND		0.50		ug/L			12/24/13 15:59	1
4-Chlorotoluene	ND		0.50		ug/L			12/24/13 15:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			12/24/13 15:59	1
Dibromochloromethane	ND		1.0		ug/L			12/24/13 15:59	1
1,2-Dibromoethane	ND		0.50		ug/L			12/24/13 15:59	1
Dibromomethane	ND		0.50		ug/L			12/24/13 15:59	1
1,2-Dichloroethane	ND		0.50		ug/L			12/24/13 15:59	1
1,3-Dichlorobenzene	ND		0.50		ug/L			12/24/13 15:59	1
1,4-Dichlorobenzene	ND		0.50		ug/L			12/24/13 15:59	1
Dichlorodifluoromethane	ND		5.0		ug/L			12/24/13 15:59	1
1,1-Dichloroethane	ND		0.50		ug/L			12/24/13 15:59	1
1,1-Dichloroethene	ND		0.50		ug/L			12/24/13 15:59	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			12/24/13 15:59	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			12/24/13 15:59	1
1,2-Dichloropropane	ND		0.50		ug/L			12/24/13 15:59	1
1,3-Dichloropropane	ND		0.50		ug/L			12/24/13 15:59	1
2,2-Dichloropropane	ND		0.50		ug/L			12/24/13 15:59	1
1,1-Dichloropropene	ND		1.0		ug/L			12/24/13 15:59	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			12/24/13 15:59	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			12/24/13 15:59	1
Ethylbenzene	ND		0.50		ug/L			12/24/13 15:59	1
Hexachlorobutadiene	ND		4.0		ug/L			12/24/13 15:59	1
2-Hexanone	ND		10		ug/L			12/24/13 15:59	1
Isopropylbenzene	ND		2.0		ug/L			12/24/13 15:59	1
p-Isopropyltoluene	ND		2.0		ug/L			12/24/13 15:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/24/13 15:59	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/24/13 15:59	1
Methylene Chloride	ND		5.0		ug/L			12/24/13 15:59	1
Naphthalene	ND		2.0		ug/L			12/24/13 15:59	1
N-Propylbenzene	ND		0.50		ug/L			12/24/13 15:59	1
Styrene	ND		0.50		ug/L			12/24/13 15:59	1
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			12/24/13 15:59	1

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-16200-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Client Sample ID: 782
Date Collected: 12/20/13 07:30
Date Received: 12/20/13 11:50

Lab Sample ID: 250-16200-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			12/24/13 15:59	1
Tetrachloroethene	ND		0.50		ug/L			12/24/13 15:59	1
Toluene	ND		0.50		ug/L			12/24/13 15:59	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			12/24/13 15:59	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/24/13 15:59	1
1,1,1-Trichloroethane	ND		0.50		ug/L			12/24/13 15:59	1
1,1,2-Trichloroethane	ND		0.50		ug/L			12/24/13 15:59	1
Trichloroethene	ND		0.50		ug/L			12/24/13 15:59	1
Trichlorofluoromethane	ND		0.50		ug/L			12/24/13 15:59	1
1,2,3-Trichloropropane	ND		0.50		ug/L			12/24/13 15:59	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/24/13 15:59	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			12/24/13 15:59	1
Vinyl chloride	ND		0.50		ug/L			12/24/13 15:59	1
m,p-Xylene	ND		1.0		ug/L			12/24/13 15:59	1
o-Xylene	ND		0.50		ug/L			12/24/13 15:59	1
1,2-Dichlorobenzene	ND		0.50		ug/L			12/24/13 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 120*		*12/24/13 15:59*	*1*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*12/24/13 15:59*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*12/24/13 15:59*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/24/13 15:59*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 250-23143/8
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			12/24/13 13:23	1
Benzene	ND		0.20		ug/L			12/24/13 13:23	1
Bromobenzene	ND		0.50		ug/L			12/24/13 13:23	1
Bromochloromethane	ND		0.50		ug/L			12/24/13 13:23	1
Bromodichloromethane	ND		0.50		ug/L			12/24/13 13:23	1
Bromoform	ND		1.0		ug/L			12/24/13 13:23	1
Bromomethane	ND		5.0		ug/L			12/24/13 13:23	1
2-Butanone (MEK)	ND		10		ug/L			12/24/13 13:23	1
n-Butylbenzene	ND		5.0		ug/L			12/24/13 13:23	1
sec-Butylbenzene	ND		0.50		ug/L			12/24/13 13:23	1
tert-Butylbenzene	ND		1.0		ug/L			12/24/13 13:23	1
Carbon disulfide	ND		10		ug/L			12/24/13 13:23	1
Carbon tetrachloride	ND		0.50		ug/L			12/24/13 13:23	1
Chlorobenzene	ND		0.50		ug/L			12/24/13 13:23	1
Chloroethane	ND		0.50		ug/L			12/24/13 13:23	1
Chloroform	ND		0.50		ug/L			12/24/13 13:23	1
Chloromethane	ND		5.0		ug/L			12/24/13 13:23	1
2-Chlorotoluene	ND		0.50		ug/L			12/24/13 13:23	1
4-Chlorotoluene	ND		0.50		ug/L			12/24/13 13:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			12/24/13 13:23	1
Dibromochloromethane	ND		1.0		ug/L			12/24/13 13:23	1
1,2-Dibromoethane	ND		0.50		ug/L			12/24/13 13:23	1
Dibromomethane	ND		0.50		ug/L			12/24/13 13:23	1
1,2-Dichloroethane	ND		0.50		ug/L			12/24/13 13:23	1
1,3-Dichlorobenzene	ND		0.50		ug/L			12/24/13 13:23	1
1,4-Dichlorobenzene	ND		0.50		ug/L			12/24/13 13:23	1
Dichlorodifluoromethane	ND		5.0		ug/L			12/24/13 13:23	1
1,1-Dichloroethane	ND		0.50		ug/L			12/24/13 13:23	1
1,1-Dichloroethene	ND		0.50		ug/L			12/24/13 13:23	1
cis-1,2-Dichloroethene	ND		0.50		ug/L			12/24/13 13:23	1
trans-1,2-Dichloroethene	ND		0.50		ug/L			12/24/13 13:23	1
1,2-Dichloropropane	ND		0.50		ug/L			12/24/13 13:23	1
1,3-Dichloropropane	ND		0.50		ug/L			12/24/13 13:23	1
2,2-Dichloropropane	ND		0.50		ug/L			12/24/13 13:23	1
1,1-Dichloropropene	ND		1.0		ug/L			12/24/13 13:23	1
cis-1,3-Dichloropropene	ND		0.50		ug/L			12/24/13 13:23	1
trans-1,3-Dichloropropene	ND		0.50		ug/L			12/24/13 13:23	1
Ethylbenzene	ND		0.50		ug/L			12/24/13 13:23	1
Hexachlorobutadiene	ND		4.0		ug/L			12/24/13 13:23	1
2-Hexanone	ND		10		ug/L			12/24/13 13:23	1
Isopropylbenzene	ND		2.0		ug/L			12/24/13 13:23	1
p-Isopropyltoluene	ND		2.0		ug/L			12/24/13 13:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/24/13 13:23	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/24/13 13:23	1
Methylene Chloride	ND		5.0		ug/L			12/24/13 13:23	1
Naphthalene	ND		2.0		ug/L			12/24/13 13:23	1
N-Propylbenzene	ND		0.50		ug/L			12/24/13 13:23	1
Styrene	ND		0.50		ug/L			12/24/13 13:23	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 250-23143/8
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50		ug/L			12/24/13 13:23	1
1,1,2,2-Tetrachloroethane	ND		0.50		ug/L			12/24/13 13:23	1
Tetrachloroethene	ND		0.50		ug/L			12/24/13 13:23	1
Toluene	ND		0.50		ug/L			12/24/13 13:23	1
1,2,3-Trichlorobenzene	ND		1.0		ug/L			12/24/13 13:23	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/24/13 13:23	1
1,1,1-Trichloroethane	ND		0.50		ug/L			12/24/13 13:23	1
1,1,2-Trichloroethane	ND		0.50		ug/L			12/24/13 13:23	1
Trichloroethene	ND		0.50		ug/L			12/24/13 13:23	1
Trichlorofluoromethane	ND		0.50		ug/L			12/24/13 13:23	1
1,2,3-Trichloropropane	ND		0.50		ug/L			12/24/13 13:23	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/24/13 13:23	1
1,3,5-Trimethylbenzene	ND		0.50		ug/L			12/24/13 13:23	1
Vinyl chloride	ND		0.50		ug/L			12/24/13 13:23	1
m,p-Xylene	ND		1.0		ug/L			12/24/13 13:23	1
o-Xylene	ND		0.50		ug/L			12/24/13 13:23	1
1,2-Dichlorobenzene	ND		0.50		ug/L			12/24/13 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*		*12/24/13 13:23*	*1*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*12/24/13 13:23*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/24/13 13:23*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*12/24/13 13:23*	*1*

Lab Sample ID: LCS 250-23143/5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	80.4		ug/L		80	55 - 145
Benzene	20.0	19.4		ug/L		97	80 - 120
Bromobenzene	20.0	18.3		ug/L		91	75 - 120
Bromochloromethane	20.0	17.7		ug/L		88	75 - 125
Bromodichloromethane	20.0	18.7		ug/L		94	80 - 130
Bromoform	20.0	14.3		ug/L		71	55 - 135
Bromomethane	20.0	14.7		ug/L		73	35 - 150
2-Butanone (MEK)	100	82.8		ug/L		83	70 - 140
n-Butylbenzene	20.0	21.7		ug/L		108	75 - 130
sec-Butylbenzene	20.0	18.7		ug/L		93	60 - 130
tert-Butylbenzene	20.0	18.4		ug/L		92	70 - 130
Carbon disulfide	40.0	32.8		ug/L		82	60 - 120
Carbon tetrachloride	20.0	16.9		ug/L		84	70 - 135
Chlorobenzene	20.0	19.1		ug/L		95	80 - 125
Chloroethane	20.0	18.6		ug/L		93	75 - 125
Chloroform	20.0	19.6		ug/L		98	80 - 120
Chloromethane	20.0	21.1		ug/L		105	45 - 150
2-Chlorotoluene	20.0	19.0		ug/L		95	70 - 125
4-Chlorotoluene	20.0	19.0		ug/L		95	75 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-23143/5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	20.0	16.6		ug/L		83	70 - 135
Dibromochloromethane	20.0	16.7		ug/L		84	65 - 140
1,2-Dibromoethane	20.0	17.2		ug/L		86	80 - 125
Dibromomethane	20.0	18.2		ug/L		91	80 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		95	75 - 125
1,3-Dichlorobenzene	20.0	18.4		ug/L		92	75 - 125
1,4-Dichlorobenzene	20.0	18.3		ug/L		91	70 - 120
Dichlorodifluoromethane	20.0	15.5		ug/L		77	45 - 140
1,1-Dichloroethane	20.0	18.7		ug/L		94	80 - 120
1,1-Dichloroethene	20.0	17.3		ug/L		87	75 - 120
cis-1,2-Dichloroethene	20.0	18.2		ug/L		91	80 - 120
trans-1,2-Dichloroethene	20.0	17.9		ug/L		90	80 - 120
1,2-Dichloropropane	20.0	19.6		ug/L		98	80 - 130
1,3-Dichloropropane	20.0	18.7		ug/L		93	80 - 120
2,2-Dichloropropane	20.0	18.3		ug/L		92	60 - 145
1,1-Dichloropropene	20.0	19.1		ug/L		95	80 - 120
cis-1,3-Dichloropropene	20.0	18.9		ug/L		95	80 - 125
trans-1,3-Dichloropropene	20.0	18.7		ug/L		93	80 - 130
Ethylbenzene	20.0	18.3		ug/L		92	80 - 120
Hexachlorobutadiene	20.0	18.6		ug/L		93	60 - 150
2-Hexanone	100	83.8		ug/L		84	70 - 140
Isopropylbenzene	20.0	18.1		ug/L		90	75 - 125
p-Isopropyltoluene	20.0	19.0		ug/L		95	65 - 130
4-Methyl-2-pentanone (MIBK)	100	85.5		ug/L		85	70 - 135
Methyl tert-butyl ether	20.0	16.6		ug/L		83	80 - 130
Methylene Chloride	20.0	18.2		ug/L		91	80 - 120
Naphthalene	20.0	19.4		ug/L		97	70 - 150
N-Propylbenzene	20.0	18.5		ug/L		93	75 - 130
Styrene	20.0	18.8		ug/L		94	70 - 130
1,1,1,2-Tetrachloroethane	20.0	17.5		ug/L		88	65 - 140
1,1,2,2-Tetrachloroethane	20.0	16.8		ug/L		84	75 - 130
Tetrachloroethene	20.0	18.3		ug/L		91	80 - 125
Toluene	20.0	19.6		ug/L		98	80 - 125
1,2,3-Trichlorobenzene	20.0	20.6		ug/L		103	65 - 140
1,2,4-Trichlorobenzene	20.0	21.8		ug/L		109	75 - 130
1,1,1-Trichloroethane	20.0	17.7		ug/L		89	75 - 135
1,1,2-Trichloroethane	20.0	17.5		ug/L		88	80 - 125
Trichloroethene	20.0	18.7		ug/L		93	80 - 135
Trichlorofluoromethane	20.0	17.5		ug/L		87	75 - 140
1,2,3-Trichloropropane	20.0	17.4		ug/L		87	75 - 125
1,2,4-Trimethylbenzene	20.0	20.3		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	20.0	19.8		ug/L		99	75 - 135
Vinyl chloride	20.0	16.3		ug/L		82	75 - 135
m,p-Xylene	40.0	37.0		ug/L		93	70 - 130
o-Xylene	20.0	18.4		ug/L		92	75 - 125
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 250-23143/5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	93		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 250-23143/6
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			100	78.0		ug/L		78	55 - 145	3	25
Benzene			20.0	19.5		ug/L		98	80 - 120	1	25
Bromobenzene			20.0	18.2		ug/L		91	75 - 120	1	25
Bromochloromethane			20.0	16.9		ug/L		85	75 - 125	4	25
Bromodichloromethane			20.0	18.6		ug/L		93	80 - 130	1	25
Bromoform			20.0	14.5		ug/L		73	55 - 135	2	25
Bromomethane			20.0	15.2		ug/L		76	35 - 150	3	25
2-Butanone (MEK)			100	79.2		ug/L		79	70 - 140	4	25
n-Butylbenzene			20.0	22.9		ug/L		115	75 - 130	6	25
sec-Butylbenzene			20.0	19.2		ug/L		96	60 - 130	3	25
tert-Butylbenzene			20.0	19.1		ug/L		95	70 - 130	4	25
Carbon disulfide			40.0	35.2		ug/L		88	60 - 120	7	25
Carbon tetrachloride			20.0	17.4		ug/L		87	70 - 135	3	25
Chlorobenzene			20.0	18.9		ug/L		94	80 - 125	1	25
Chloroethane			20.0	18.9		ug/L		94	75 - 125	1	25
Chloroform			20.0	19.3		ug/L		96	80 - 120	2	25
Chloromethane			20.0	21.7		ug/L		109	45 - 150	3	25
2-Chlorotoluene			20.0	19.2		ug/L		96	70 - 125	1	25
4-Chlorotoluene			20.0	19.6		ug/L		98	75 - 125	3	25
1,2-Dibromo-3-Chloropropane			20.0	15.4		ug/L		77	70 - 135	8	25
Dibromochloromethane			20.0	16.7		ug/L		83	65 - 140	0	25
1,2-Dibromoethane			20.0	16.9		ug/L		84	80 - 125	2	
Dibromomethane			20.0	17.5		ug/L		87	80 - 120	4	25
1,2-Dichloroethane			20.0	18.6		ug/L		93	75 - 125	3	25
1,3-Dichlorobenzene			20.0	18.1		ug/L		91	75 - 125	1	25
1,4-Dichlorobenzene			20.0	18.2		ug/L		91	70 - 120	1	25
Dichlorodifluoromethane			20.0	16.3		ug/L		82	45 - 140	5	25
1,1-Dichloroethane			20.0	18.8		ug/L		94	80 - 120	0	25
1,1-Dichloroethene			20.0	17.9		ug/L		90	75 - 120	3	25
cis-1,2-Dichloroethene			20.0	18.0		ug/L		90	80 - 120	1	25
trans-1,2-Dichloroethene			20.0	17.9		ug/L		89	80 - 120	0	25
1,2-Dichloropropane			20.0	20.1		ug/L		101	80 - 130	3	25
1,3-Dichloropropane			20.0	18.3		ug/L		91	80 - 120	2	25
2,2-Dichloropropane			20.0	19.0		ug/L		95	60 - 145	3	25
1,1-Dichloropropene			20.0	19.9		ug/L		99	80 - 120	4	25
cis-1,3-Dichloropropene			20.0	19.3		ug/L		97	80 - 125	2	25
trans-1,3-Dichloropropene			20.0	18.5		ug/L		92	80 - 130	1	25
Ethylbenzene			20.0	18.9		ug/L		95	80 - 120	3	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 250-23143/6
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorobutadiene	20.0	20.3		ug/L		102	60 - 150	9	25
2-Hexanone	100	82.6		ug/L		83	70 - 140	1	25
Isopropylbenzene	20.0	18.6		ug/L		93	75 - 125	3	25
p-Isopropyltoluene	20.0	19.8		ug/L		99	65 - 130	4	25
4-Methyl-2-pentanone (MIBK)	100	83.6		ug/L		84	70 - 135	2	25
Methyl tert-butyl ether	20.0	16.5		ug/L		82	80 - 130	1	25
Methylene Chloride	20.0	17.9		ug/L		90	80 - 120	1	25
Naphthalene	20.0	18.5		ug/L		92	70 - 150	5	25
N-Propylbenzene	20.0	19.2		ug/L		96	75 - 130	3	25
Styrene	20.0	18.9		ug/L		94	70 - 130	0	25
1,1,1,2-Tetrachloroethane	20.0	17.9		ug/L		89	65 - 140	2	25
1,1,2,2-Tetrachloroethane	20.0	16.3		ug/L		81	75 - 130	3	25
Tetrachloroethene	20.0	18.7		ug/L		94	80 - 125	2	25
Toluene	20.0	19.7		ug/L		98	80 - 125	0	25
1,2,3-Trichlorobenzene	20.0	19.3		ug/L		96	65 - 140	6	25
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	75 - 130	1	25
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	75 - 135	4	25
1,1,2-Trichloroethane	20.0	17.1		ug/L		86	80 - 125	2	25
Trichloroethene	20.0	18.7		ug/L		93	80 - 135	0	25
Trichlorofluoromethane	20.0	18.1		ug/L		91	75 - 140	4	25
1,2,3-Trichloropropane	20.0	16.9		ug/L		84	75 - 125	3	25
1,2,4-Trimethylbenzene	20.0	20.5		ug/L		102	70 - 130	1	25
1,3,5-Trimethylbenzene	20.0	20.2		ug/L		101	75 - 135	2	25
Vinyl chloride	20.0	17.1		ug/L		86	75 - 135	5	25
m,p-Xylene	40.0	37.8		ug/L		94	70 - 130	2	25
o-Xylene	20.0	18.8		ug/L		94	75 - 125	3	25
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Dibromofluoromethane (Surr)	*91*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 250-16232-I-1 MS ^5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		500	322		ug/L		64	55 - 125
Benzene	ND		100	96.5		ug/L		97	80 - 125
Bromobenzene	ND		100	89.4		ug/L		89	80 - 125
Bromochloromethane	ND		100	79.7		ug/L		80	80 - 130
Bromodichloromethane	ND		100	89.2		ug/L		89	80 - 135
Bromoform	ND		100	68.8		ug/L		69	65 - 150
Bromomethane	ND		100	76.2		ug/L		76	30 - 150
2-Butanone (MEK)	ND		500	354		ug/L		71	70 - 145
n-Butylbenzene	ND		100	109		ug/L		109	70 - 140

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-16232-I-1 MS ^5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	ND		100	91.7		ug/L		92	70 - 135
tert-Butylbenzene	ND		100	93.1		ug/L		93	70 - 135
Carbon disulfide	ND		200	179		ug/L		90	40 - 150
Carbon tetrachloride	ND		100	86.4		ug/L		86	75 - 130
Chlorobenzene	ND		100	94.7		ug/L		95	70 - 135
Chloroethane	ND		100	98.5		ug/L		98	75 - 130
Chloroform	ND		100	92.1		ug/L		92	80 - 125
Chloromethane	ND		100	111		ug/L		111	40 - 150
2-Chlorotoluene	ND		100	94.6		ug/L		95	80 - 120
4-Chlorotoluene	ND		100	94.6		ug/L		95	80 - 125
1,2-Dibromo-3-Chloropropane	ND		100	74.0		ug/L		74	55 - 145
Dibromochloromethane	ND		100	78.0	F	ug/L		78	80 - 130
1,2-Dibromoethane	ND		100	80.0		ug/L		80	80 - 130
Dibromomethane	ND		100	82.0		ug/L		82	75 - 135
1,2-Dichloroethane	ND		100	87.8		ug/L		88	80 - 125
1,3-Dichlorobenzene	ND		100	90.5		ug/L		90	80 - 125
1,4-Dichlorobenzene	ND		100	88.1		ug/L		88	80 - 120
Dichlorodifluoromethane	ND		100	86.6		ug/L		87	60 - 135
1,1-Dichloroethane	ND		100	89.7		ug/L		90	80 - 125
1,1-Dichloroethene	ND		100	87.8		ug/L		88	75 - 130
cis-1,2-Dichloroethene	ND		100	87.2		ug/L		87	75 - 140
trans-1,2-Dichloroethene	ND		100	84.9		ug/L		85	80 - 120
1,2-Dichloropropane	ND		100	97.4		ug/L		97	80 - 120
1,3-Dichloropropane	ND		100	87.8		ug/L		88	80 - 135
2,2-Dichloropropane	ND		100	88.4		ug/L		88	70 - 145
1,1-Dichloropropene	ND		100	97.6		ug/L		98	80 - 125
cis-1,3-Dichloropropene	ND		100	93.6		ug/L		94	80 - 130
trans-1,3-Dichloropropene	ND		100	87.8		ug/L		88	80 - 135
Ethylbenzene	ND		100	93.3		ug/L		93	80 - 125
Hexachlorobutadiene	ND		100	88.3		ug/L		88	45 - 150
2-Hexanone	ND		500	376		ug/L		75	60 - 150
Isopropylbenzene	ND		100	91.6		ug/L		92	80 - 130
p-Isopropyltoluene	ND		100	94.4		ug/L		94	70 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	387		ug/L		77	55 - 150
Methyl tert-butyl ether	ND		100	78.9	F	ug/L		79	80 - 130
Methylene Chloride	ND		100	83.0		ug/L		83	80 - 120
Naphthalene	ND		100	84.6		ug/L		85	65 - 150
N-Propylbenzene	ND		100	94.5		ug/L		94	70 - 135
Styrene	ND		100	91.6		ug/L		92	45 - 150
1,1,1,2-Tetrachloroethane	ND		100	85.4		ug/L		85	80 - 130
1,1,2,2-Tetrachloroethane	ND		100	77.6		ug/L		78	75 - 150
Tetrachloroethene	ND		100	91.2		ug/L		91	80 - 125
Toluene	ND		100	97.4		ug/L		97	75 - 135
1,2,3-Trichlorobenzene	ND		100	88.7		ug/L		89	70 - 150
1,2,4-Trichlorobenzene	ND		100	99.6		ug/L		100	70 - 150
1,1,1-Trichloroethane	ND		100	90.5		ug/L		90	80 - 130
1,1,2-Trichloroethane	ND		100	83.0		ug/L		83	80 - 130
Trichloroethene	ND		100	92.5		ug/L		92	65 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-16232-I-1 MS ^5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	ND		100	96.9		ug/L		97	75 - 130
1,2,3-Trichloropropane	ND		100	80.1		ug/L		80	80 - 135
1,2,4-Trimethylbenzene	ND		100	101		ug/L		101	80 - 140
1,3,5-Trimethylbenzene	ND		100	99.2		ug/L		99	70 - 145
Vinyl chloride	ND		100	91.3		ug/L		91	70 - 135
m,p-Xylene	ND		200	187		ug/L		94	75 - 135
o-Xylene	ND		100	92.7		ug/L		93	80 - 125
1,2-Dichlorobenzene	ND		100	93.6		ug/L		94	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*89*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 250-16232-I-1 MSD ^5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		500	298		ug/L		60	55 - 125	8	25
Benzene	ND		100	101		ug/L		101	80 - 125	5	25
Bromobenzene	ND		100	96.8		ug/L		97	80 - 125	8	25
Bromochloromethane	ND		100	85.4		ug/L		85	80 - 130	7	25
Bromodichloromethane	ND		100	94.9		ug/L		95	80 - 135	6	25
Bromoform	ND		100	72.0		ug/L		72	65 - 150	5	25
Bromomethane	ND		100	83.8		ug/L		84	30 - 150	10	25
2-Butanone (MEK)	ND		500	374		ug/L		75	70 - 145	5	25
n-Butylbenzene	ND		100	114		ug/L		114	70 - 140	5	25
sec-Butylbenzene	ND		100	100		ug/L		100	70 - 135	9	25
tert-Butylbenzene	ND		100	97.8		ug/L		98	70 - 135	5	25
Carbon disulfide	ND		200	177		ug/L		89	40 - 150	1	25
Carbon tetrachloride	ND		100	88.3		ug/L		88	75 - 130	2	25
Chlorobenzene	ND		100	101		ug/L		101	70 - 135	6	25
Chloroethane	ND		100	99.0		ug/L		99	75 - 130	1	25
Chloroform	ND		100	95.5		ug/L		96	80 - 125	4	25
Chloromethane	ND		100	113		ug/L		113	40 - 150	2	25
2-Chlorotoluene	ND		100	101		ug/L		101	80 - 120	7	25
4-Chlorotoluene	ND		100	102		ug/L		102	80 - 125	8	25
1,2-Dibromo-3-Chloropropane	ND		100	81.5		ug/L		81	55 - 145	10	25
Dibromochloromethane	ND		100	84.2		ug/L		84	80 - 130	8	25
1,2-Dibromoethane	ND		100	86.4		ug/L		86	80 - 130	8	
Dibromomethane	ND		100	85.4		ug/L		85	75 - 135	4	25
1,2-Dichloroethane	ND		100	92.0		ug/L		92	80 - 125	5	25
1,3-Dichlorobenzene	ND		100	99.2		ug/L		99	80 - 125	9	25
1,4-Dichlorobenzene	ND		100	94.5		ug/L		95	80 - 120	7	25
Dichlorodifluoromethane	ND		100	87.2		ug/L		87	60 - 135	1	25
1,1-Dichloroethane	ND		100	94.8		ug/L		95	80 - 125	6	25

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 250-16232-I-1 MSD ^5
Matrix: Water
Analysis Batch: 23143

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		100	88.8		ug/L		89	75 - 130	1	25
cis-1,2-Dichloroethene	ND		100	89.9		ug/L		90	75 - 140	3	25
trans-1,2-Dichloroethene	ND		100	87.5		ug/L		87	80 - 120	3	25
1,2-Dichloropropane	ND		100	101		ug/L		101	80 - 120	4	25
1,3-Dichloropropane	ND		100	94.1		ug/L		94	80 - 135	7	25
2,2-Dichloropropane	ND		100	89.6		ug/L		90	70 - 145	1	25
1,1-Dichloropropene	ND		100	99.6		ug/L		100	80 - 125	2	25
cis-1,3-Dichloropropene	ND		100	96.2		ug/L		96	80 - 130	3	25
trans-1,3-Dichloropropene	ND		100	93.8		ug/L		94	80 - 135	7	25
Ethylbenzene	ND		100	99.3		ug/L		99	80 - 125	6	25
Hexachlorobutadiene	ND		100	96.2		ug/L		96	45 - 150	9	25
2-Hexanone	ND		500	387		ug/L		77	60 - 150	3	25
Isopropylbenzene	ND		100	98.3		ug/L		98	80 - 130	7	25
p-Isopropyltoluene	ND		100	102		ug/L		102	70 - 140	8	25
4-Methyl-2-pentanone (MIBK)	ND		500	392		ug/L		78	55 - 150	1	25
Methyl tert-butyl ether	ND		100	79.4	F	ug/L		79	80 - 130	1	25
Methylene Chloride	ND		100	88.8		ug/L		89	80 - 120	7	25
Naphthalene	ND		100	88.8		ug/L		89	65 - 150	5	25
N-Propylbenzene	ND		100	101		ug/L		101	70 - 135	6	25
Styrene	ND		100	98.9		ug/L		99	45 - 150	8	25
1,1,1,2-Tetrachloroethane	ND		100	94.7		ug/L		95	80 - 130	10	25
1,1,2,2-Tetrachloroethane	ND		100	88.6		ug/L		89	75 - 150	13	25
Tetrachloroethene	ND		100	96.6		ug/L		97	80 - 125	6	25
Toluene	ND		100	102		ug/L		102	75 - 135	5	25
1,2,3-Trichlorobenzene	ND		100	92.7		ug/L		93	70 - 150	4	25
1,2,4-Trichlorobenzene	ND		100	105		ug/L		105	70 - 150	5	25
1,1,1-Trichloroethane	ND		100	92.3		ug/L		92	80 - 130	2	25
1,1,2-Trichloroethane	ND		100	88.7		ug/L		89	80 - 130	7	25
Trichloroethene	ND		100	95.8		ug/L		96	65 - 130	3	25
Trichlorofluoromethane	ND		100	95.6		ug/L		96	75 - 130	1	25
1,2,3-Trichloropropane	ND		100	88.8		ug/L		89	80 - 135	10	25
1,2,4-Trimethylbenzene	ND		100	107		ug/L		107	80 - 140	6	25
1,3,5-Trimethylbenzene	ND		100	104		ug/L		104	70 - 145	5	25
Vinyl chloride	ND		100	89.6		ug/L		90	70 - 135	2	25
m,p-Xylene	ND		200	196		ug/L		98	75 - 135	4	25
o-Xylene	ND		100	99.0		ug/L		99	80 - 125	7	25
1,2-Dichlorobenzene	ND		100	99.9		ug/L		100	80 - 120	7	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Dibromofluoromethane (Surr)	*87*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Certification Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-16200-1

Laboratory: TestAmerica Portland

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-012	12-26-13 *
California	State Program	9	2597	09-30-15
Oregon	NELAP	10	OR100021	01-09-14
USDA	Federal		P330-11-00092	02-17-14
Washington	State Program	10	C586	06-23-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: Blount, Inc.
Project/Site: Routine Sampling

TestAmerica Job ID: 250-16200-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PRT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PRT = TestAmerica Portland, 9405 SW Nimbus Ave., Beaverton, OR 97008, TEL (503)906-9200

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

5755 8
11922]
9405 SW Ni
2000 W International Airport R

250-16200 Chain of Custody

310 FAX 922-5047 ☐
200 FAX 924-9290 ☐
200 FAX 906-9210 ☑
200 FAX 563-9210 ☐

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: Blount

REPORT TO: jason.smith@blount.com
ADDRESS: 503-653-4228

PHONE: FAX:

INVOICE TO:

P.O. NUMBER:

PROJECT NAME:
PROJECT NUMBER:
SAMPLED BY: J. Smith

TURNAROUND REQUEST
in Business Days *

Organic & Inorganic Analyses
10 STD. | 7 | 5 | 4 | 3 | 2 | 1 | <1

Petroleum Hydrocarbon Analyses
5 STD. | 4 | 3 | 2 | 1 | <1

OTHER Specify:

* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE: HCl	REQUESTED ANALYSES: BTEX's	MATRIX (W, S, O)	# OF CONT.	LOCATION/ COMMENTS	TA WO ID
1	782	12/20/13, 07:30		✓	W	3	Preserve w/ HCl	
2								
3								
4								
5								
6								
7								
8								
9								
10								

RELEASED BY: J. Smith
PRINT NAME: Jason Smith FIRM: Blount DATE: 12-20-13 TIME: 10:15

RECEIVED BY:
PRINT NAME: Jenny Morgan FIRM: M.E DATE: 12/20/13 TIME: 1101

RELEASED BY:
PRINT NAME: FIRM: M.E DATE: 12/20/13 TIME: 1158

RECEIVED BY:
PRINT NAME: NICOLE IRONS FIRM: TA DATE: 12/20/13 TIME: 11:50

ADDITIONAL REMARKS:

TEMP: 2.0 PAGE OF

1846-C

TAL-1000 (0612)

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12/27/2013

Login Sample Receipt Checklist

Client: Blount, Inc.

Job Number: 250-16200-1

Login Number: 16200

List Source: TestAmerica Portland

List Number: 1

Creator: Svabik-Seror, Philip M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
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 containers received 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.	False	No Trip Blank supplied.
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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	