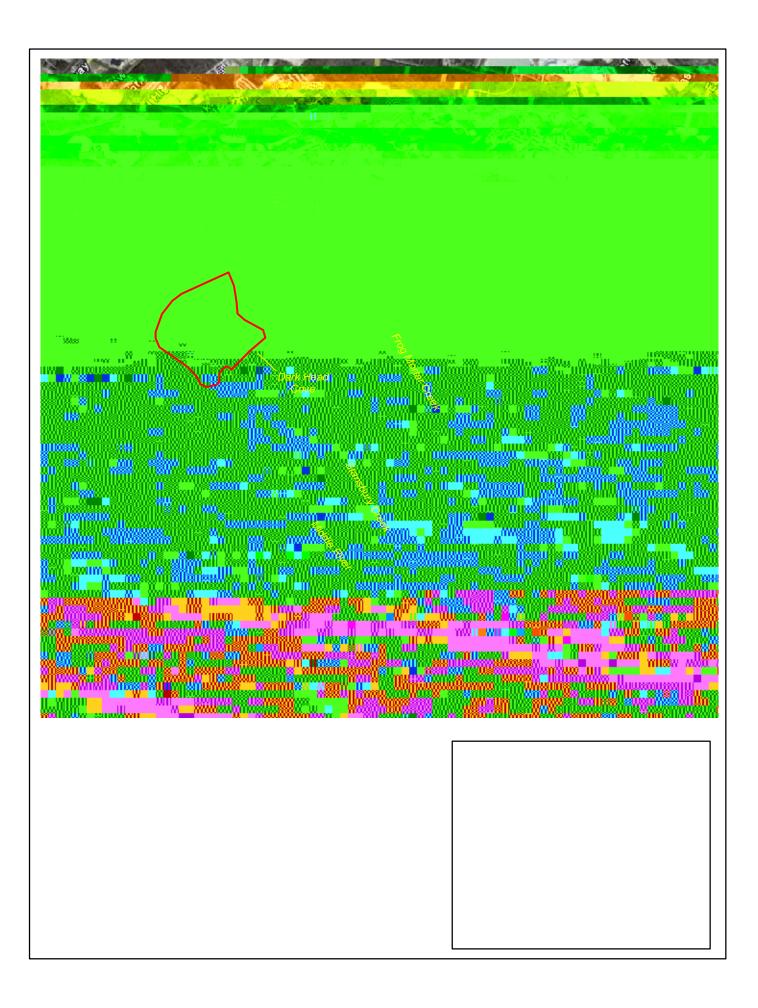
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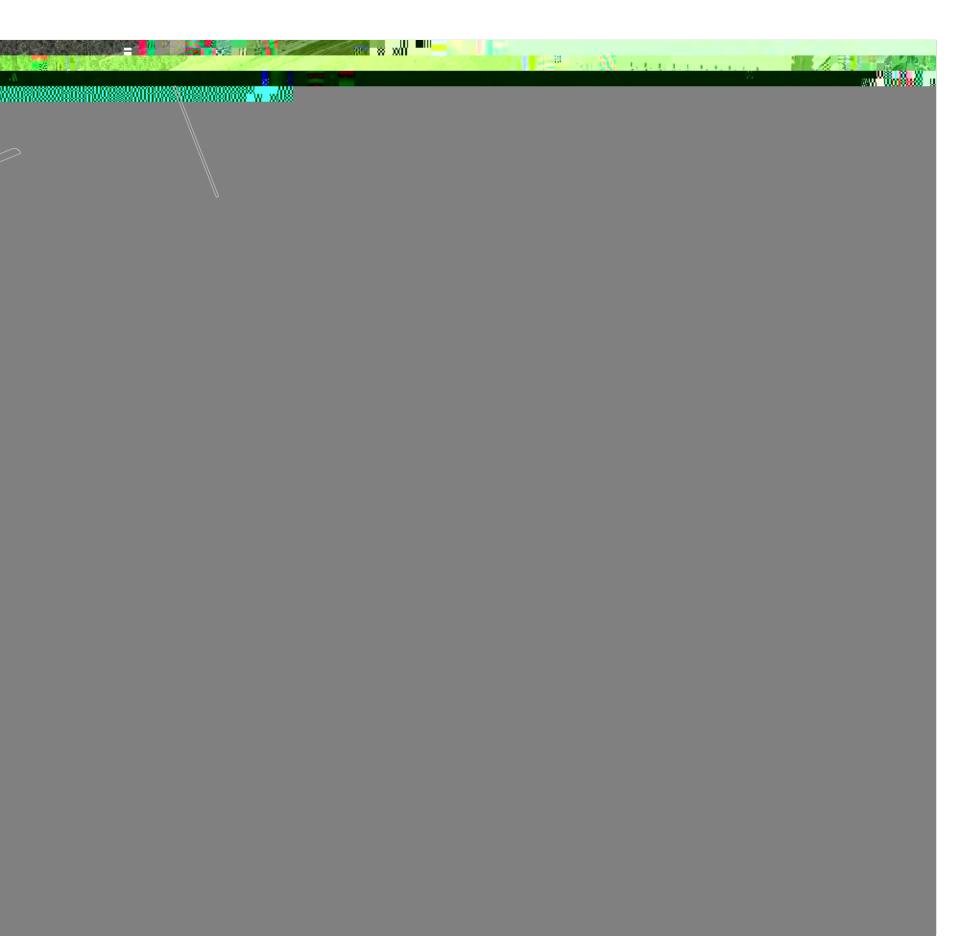
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Site Background

The Middle River Complex (MRC), part of the Chesapeake Industrial Park, is at 2323 Eastern



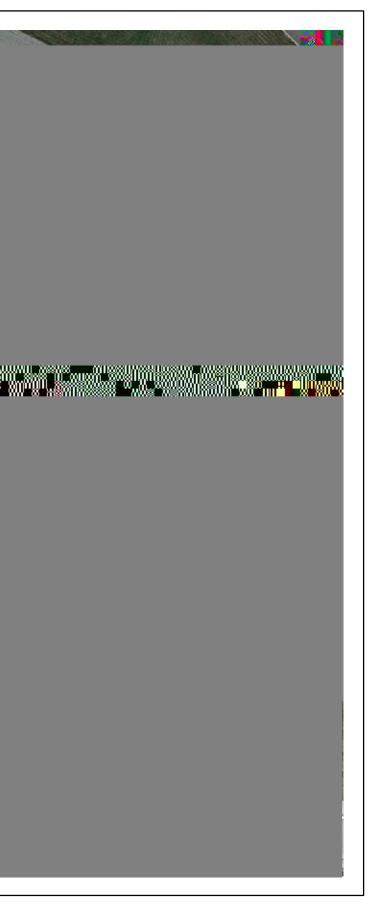


The data validation concluded that these MRC data are acceptable for their intended uses (i.e., risk screening and risk assessment), except for data qualified as unreliable. For this validation, the following data qualifiers (i.e., flags) were applied to the chemical results presented in this report:

J The analyte is considered present in the sample. However, the value is estimated and may not meet highest accuracy or precision standards. In this program, samples were qualified with J because quantitation was above the method detection limit but below the laboratory reporting limit.

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Results

Validated surface water chemical data were used to generate a statistical summary table (Table 4-1) and a detection table (Table 4-2) listing positive detections of chemical analytes for the 2012 surface water samples. Tables 4-1 and 4-2 are based on the full data listing shown in Table C-1 (see Appendix C). Table 4-2 compares surface-water sampling results to several applicable screening criteria, including:

United States Environmental Protection Agency (USEPA) Region III Biological Technical Advisory Group (BTAG) freshwater screening benchmarks (USEPA, 2006)

USEPA National Recommended Water Quality Criteria (NRWQC) for acute and chronic aquatic organism exposures, and

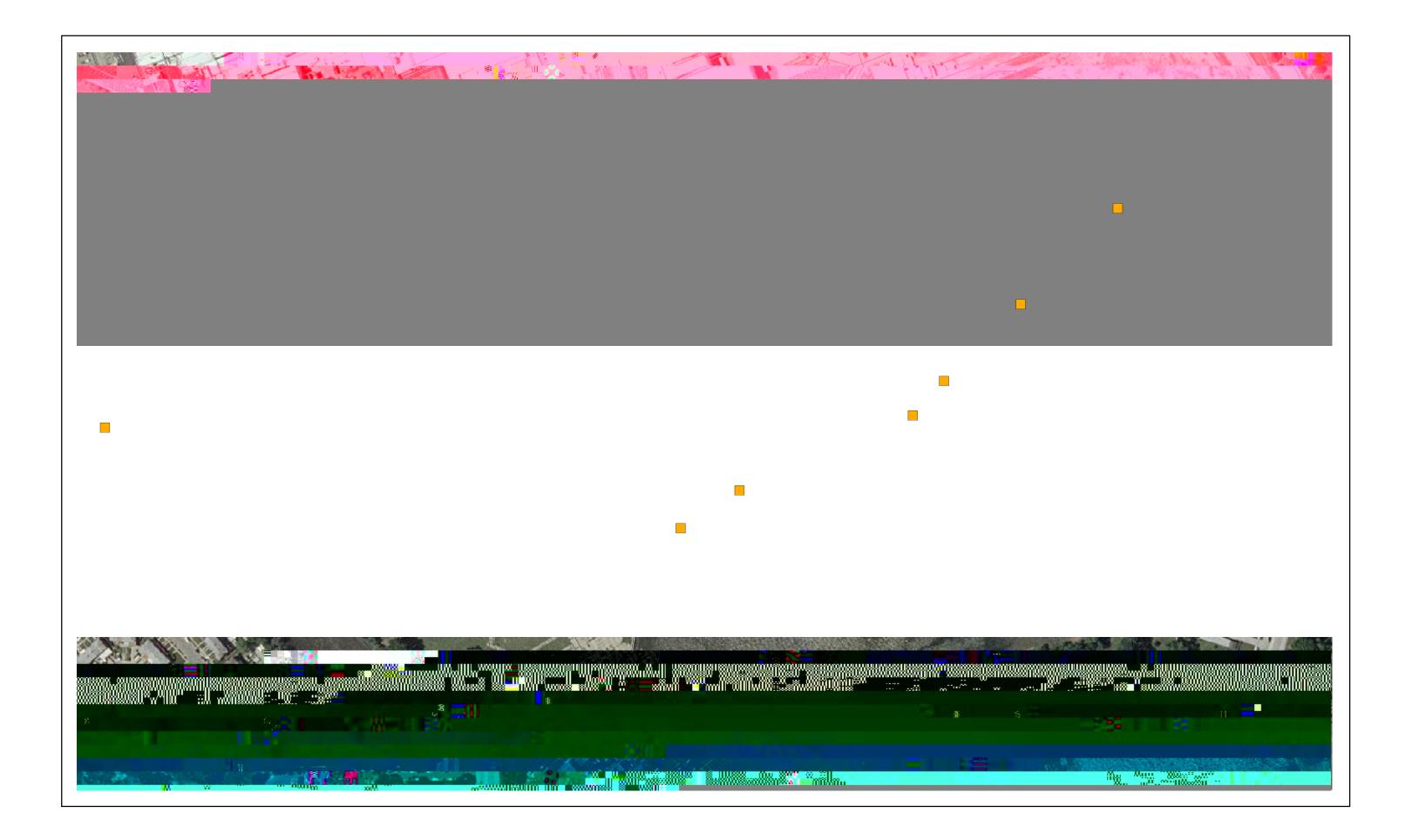
The pH values measured during this event are consistent with natural surface water in this region. SC is closely associated with salinity, and those samples with lower salinity had an expected lower SC, and vice versa. Water temperature was lower in Cow Pen Creek samples, which also had lower salinity and SC as compared to samples collected from Dark Head Cove. These results may be due to either the input of runoff into the creek, or restricted water flow into or out of the creek.

Turbidity was fairly consistent in most samples, but was higher in Cow Pen Creek, possibly due to runoff into the creek. Turbidity was also high in sample SW5A1, which is the southernmost sample collected in Dark Head Cove. The reason for the high turbidity in this sample is unknown.

As expected, DO concentrations in the water are higher in colder water samples. All DO levels are very high, indicating a healthy estuarine environment. ORP values are all positive, which is consistent with an oxygen-rich environment. All of these parameters, except for DO (which is unusually high), are typical of a tidally controlled estuarine environment.

Table 4-1

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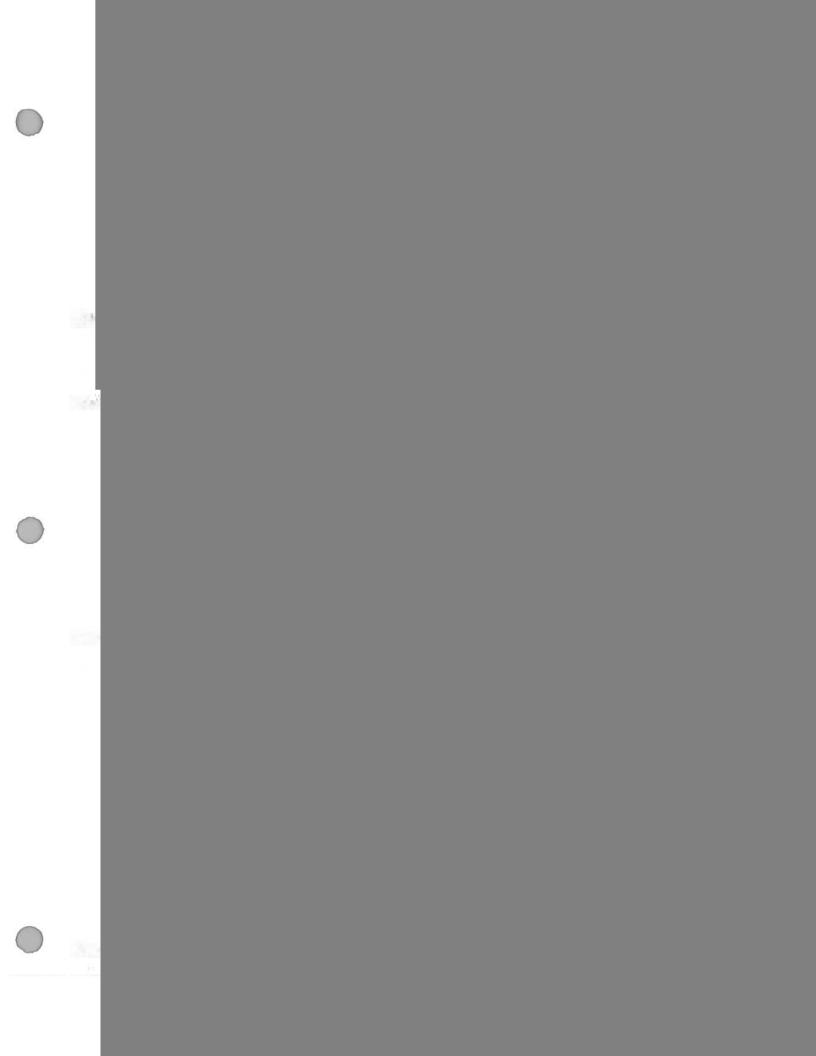
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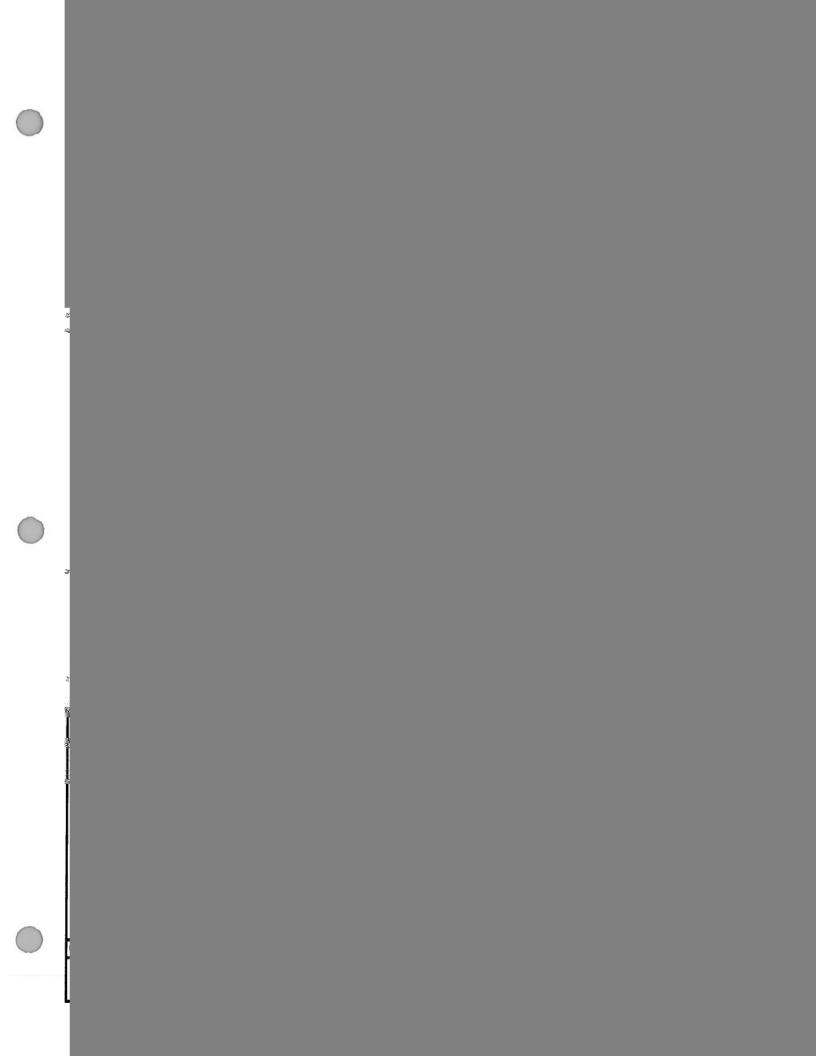
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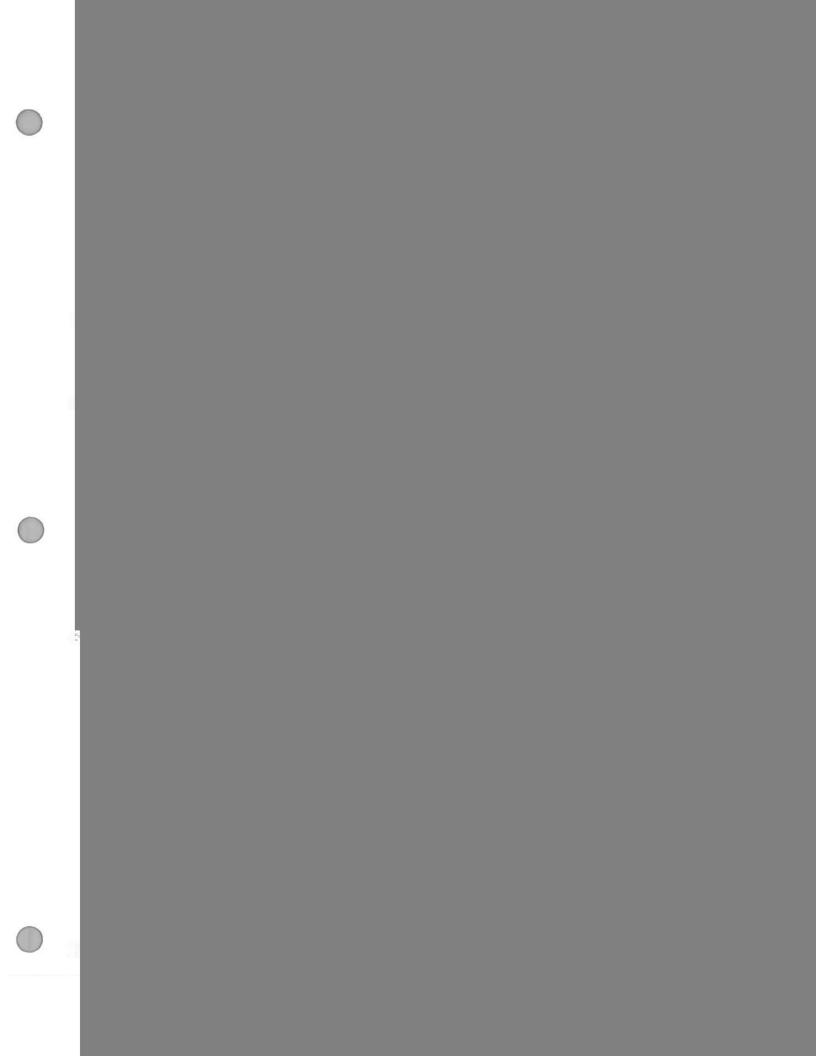
- 1. *Code of Maryland Regulations*, 2012. Numerical Criteria for Toxic Substances in Surface Waters. Code of Maryland Regulations (COMAR), Title 26, Subtitle 08, Chapter 02, Regulation 03. <u>http://www.dsd.state.md.us/comar/comarhtml/26/26.08.02.03-2.htm</u>.
- 2. Earth Tech, 2003. *Draft Phase I Environmental Assessment, Chesapeake Industrial Park.* February.
- 3. Maryland Department of Natural Resources, 2012. *Tides for Bowley Bar, Middle River starting with June 13, 2012.* Maryland Department of Natural Resources, Tide Finder, <u>http://www.dnr.state.md.us/fisheries/tides/index.asp</u>.
- 4. Tetra Tech, Inc., 2004. *Historical Research Report, Lockheed Martin Middle River Complex*. August.
- 5. Tetra Tech, Inc., 2006. Surface Water and Sediment Sampling Report. Lockheed Martin Middle River Complex. April.

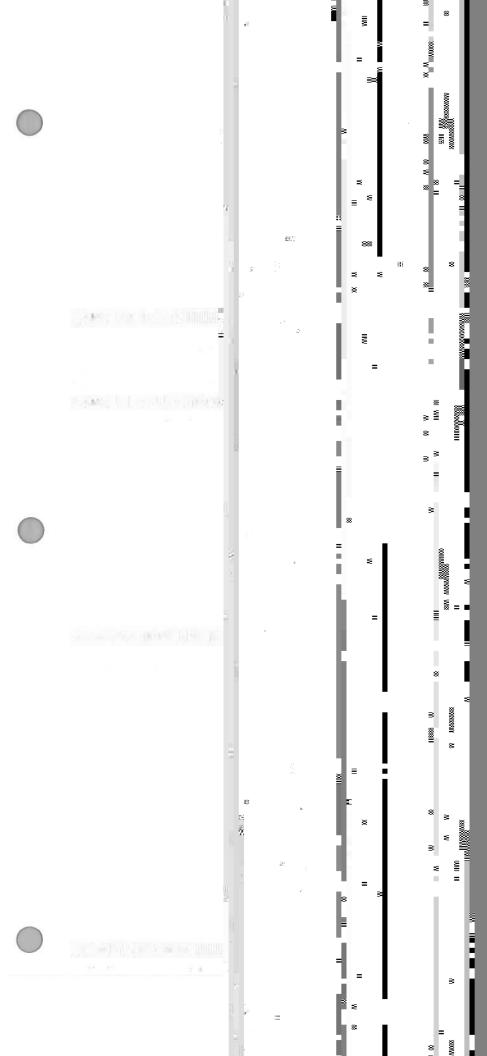
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- 10. USEPA (U.S. Environmental Protection Agency), Region 3, 1994. *Region III Modifications to the National Functional Guidelines for Organic-Data Review*. USEPA Region 3 Central Regional Laboratory Quality Assurance Branch. September.
- 11. USEPA (U.S. Environmental Protection Agency) 2006. Region III Biological Technical Advisory Group Freshwater Screening Benchmarks. July.
- 12. USEPA (U.S. Environmental Protection Agency) 2009. *National Recommended Water Quality Criteria*. U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. <u>http://water.epa.gov/scitech/swguidance/standards/current/index.cfm</u> or <u>http://water.epa.gov/scitech/swguidance/standards/current/upload/nrwqc-2009.pdf</u>









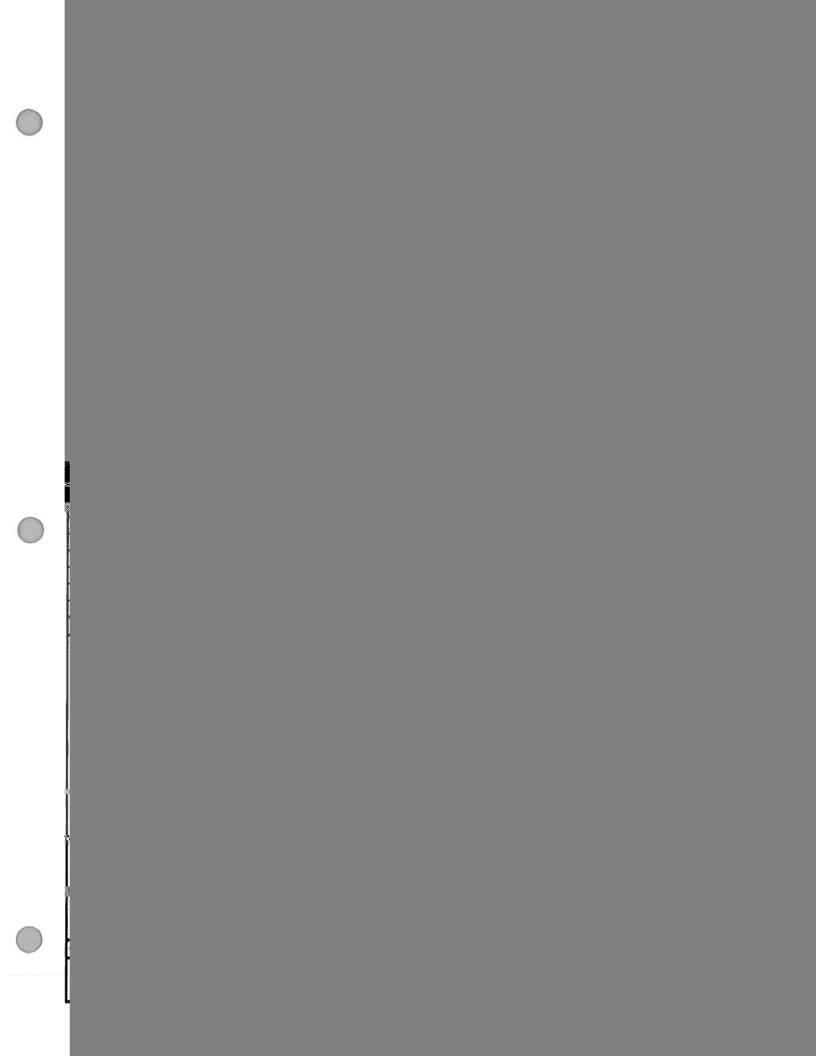




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	MRC-SW6B-061312		IRC-SW7B-061312 IRC-SW/94-061312

<u> </u>	TO: T. Avanavage FROM: A. Cognetti			
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	DATE: July 13, 2012 PAGE 2			
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Contamination was detected in the laboratory method blank associated with batch 240-48405/4.

^{1,2,4-}tichlorobenzene, naphthalene, 1,2,3-trichlorobenzene and ethyl-tert-butyl ether were greater than the 20% quality control limit and less than 50% on June 21, 2012 @18:29 and 19:18 on instrument A3UX9.

TO: T. A	vai	navage
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DATE: July 13, 2012 PAGE 3 <u>έ</u>τ

The data for these analyses were reviewed with reference to the Region III EPA Functional Guidelines for Organic Data Validation (9/94). The text of this report has been formulated to address only those problem

Tetra Tech Ann Cognetti Chemist/Data Validator

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Data Validation Quality Assurance Officer

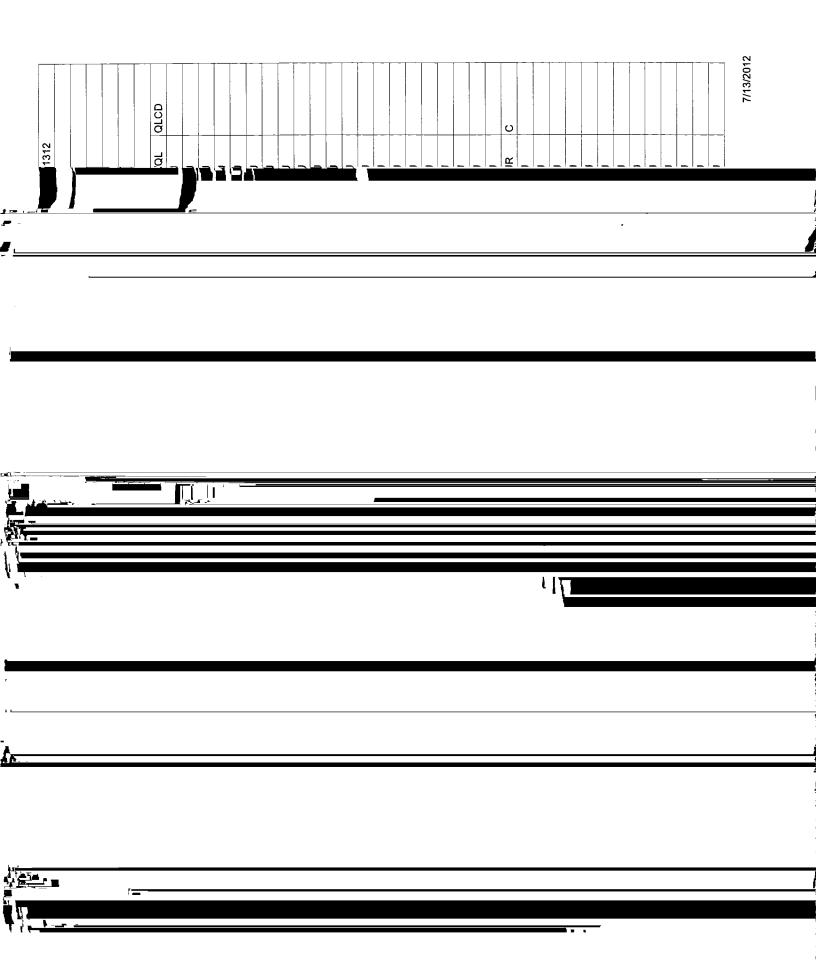
Attachments: Appendix A – Qualified Analytical Results Appendix B – Results as Reported by the Laboratory Appendix C – Support Documentation

Appendix A

Qualified Analytical Results

Qualifier Codes:

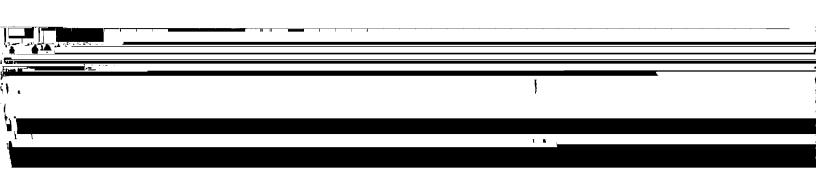
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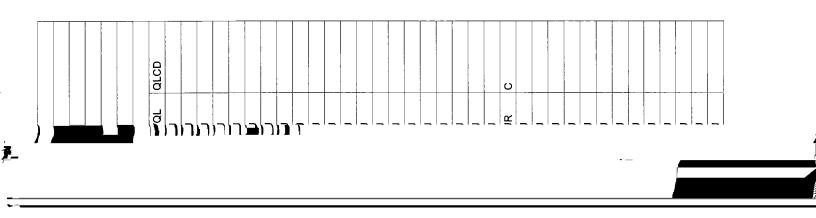


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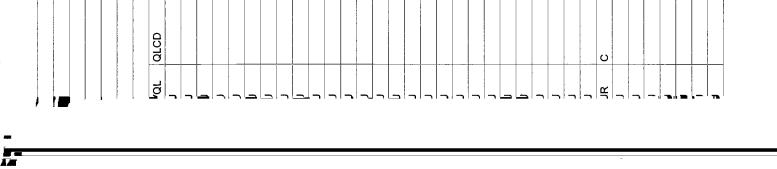


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Appendix B

Results as Reported by the Laboratory

Lab Name: <u>TestAmerica Canton</u>	Job No.: 240-12282-1
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Matrix: Water	Lab File ID: UX932468.D
Analysis Method: 8260B	Date Collected: 06/13/2012 09:10
Sample wt/vol: 5(mL)	Date Analyzed: 06/21/2012 21:40
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Matrix: Water	Lab File ID: UX932468.D
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Client Sample ID: MRC-SW1A-061312 Lab Sample ID: 243-12282-1 Matrix: Water Lab File ID: UX932468.D File UX92468.D File UX9		SDG No.:	
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FORM I

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	Sample wt/vol: 5(mL)	Date Analyzed: 06/21/2012 22:02
	Sample wt/vol: 5(mL) Soil Aliquot Vol:	Date Analyzed: 06/21/2012 22:02 Dilution Factor: 1
•		

Lab Name: Test	tAmerica Canton	Job No.: 240-12282 <u>-1</u>				
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-						
SDG No.:						
Client Sample	ID: MRC-SW5A1-061312	Lab	Sample ID:	240-12	282-3	
Matrix: <u>Water</u>		Lab	File ID: U	JX932470	.D	
Analysis Metho	d: 8260B	Dat	e Collected:	06/13	/2012 09:34	1
Sample wt/vol: 5(mL)			e Analyzed:	06/21/	2012 22:26	
Soil Aliquot V	/ol:	Dil	ution Factor	c: <u>1</u>		
Soil Extract V	/ol.:		Column: DB-).18(mm)
% Moisture:		Lev	el: (low/med	d) Low		
Analysis Batch	No.: 48405	Uni	ts: ug/L			
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CAS NO.	COMPOUND NAME		RESULT	Q	RL	MDL

	Lab Name: TestAmerica Canton	· _ · · · · · · · · · · · · · · ·
	SDG No.: Client Sample ID: <u>MRC-SW5A1-061312</u>	
	Mutata Mutaa	Tak Tila TA. 110022470
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	Analysis Method: 8260B	Date Collected: 06/13/2012 09:34
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	Soil Alignot Vol.	Dilution Factor: 1
	Soil Aliquot Vol:	
	Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
	Soil Extract Vol.:	GC Column: DB-624 ID: 0.18 (mm) Level: (low/med) Low
	Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18 (mm) Level: (low/med) Low
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
<u>- 10</u>	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
- <u>_</u>	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
-	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
	Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L

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	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
-	SDG No.:	
	Client Sample ID: MRC-SW5A1-061312	Lab Sample ID: 240-12282-3
	Matrix: Water	Lab File ID: UX932470.D
	Analysis Method: 8260B	Date Collected: 06/13/2012 09:34
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	SDG No.:	
	Client Sample ID: MRC-SW5A1-061312	Lab Sample ID: 240-12282-3
	Matrix: Water	Lab File ID: UX932470.D
	Analysis Method: 8260B	Date Collected: 06/13/2012 09:34
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	Soil Aliquot Vol:	Dilution Factor: 1
	Soil Extract Vol.:	GC Column · DB-624 TD · 0 18 (mm)
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SDG No.:	· · · · · · · · · · · · · · · · · · ·		
SDG No.: Client Sample ID: MRC-5W5A2-061312 Lab Sample ID: 240-12282-4 Marrix: Water Lab File ID: UX932471.D	•		
SDG No.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File ID: UX932471.D		· · · · · · · · · · · · · · · · · · ·	
SDG No.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File ID: UX932471.D			
SDG No.: Client Sample ID: MRC-5W5A2-061312 Lab Sample ID: 240-12282-4 Marrix: Water Lab File ID: UX932471.D			
SDG No.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File ID: UX932471.D			
SDG No.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File TD: UX932471.D			
SDG Nc.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File TD: UX932471_D	ł		
SDG No.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File TD: UX932471_D			
SDG Nc.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File TD: UX932471_D			
SDG Nc.: Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File TD: UX932471_D			
Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File ID: UX932471,D	£u		
Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File ID: UX932471,D	-		
Client Sample ID: MRC-SW5A2-061312 Lab Sample ID: 240-12282-4 Matrix: Water Lab File ID: UX932471,D			
Matrix: Water Lab File ID: UX932471.D			
	Client Sample ID: MRC-SW5A2-061312		
	Matrix: Water	Lab File ID: UX932471.D	
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	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.: <u>Client Sample TD: MRC-SW5A2-061312</u>	Lab Sample ID: 240-12282-4
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	Vaturi er - Matan.	ת <i>ודו</i> רכחעוז .מז גואיז ארז
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	Inalusis. Method. 2260R	Date Collected: 06/13/2012 09:50
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	Soil Aliquot Vol:	Dilution Factor: 1
	Soil Extract Vol.:	
	% Moisture:	Level: (low/med) Low
	Analysis Batch No.: 48405	Units: ug/L

SI		Job No.: 240-12282-1
	DG No.:	
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<u> </u>	nt nive Mator	Ish Fils ID. IIVA, 20171 D
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	ample wt/vol: 5(mL)	Date Analyzed: 06/21/2012 22:48
S	ample wt/vol: 5(mL)	Dilution Factor: 1
So So	ample wt/vol: 5(mL) oil Aliquot Vol: oil Extract Vol.:	Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm)
So So	ample wt/vol: 5(mL) oil Aliquot Vol: oil Extract Vol.: Moisture:	Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low
So So	ample wt/vol: 5(mL) oil Aliquot Vol: oil Extract Vol.:	Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm)
S (S (ample wt/vol: 5(mL) oil Aliquot Vol: oil Extract Vol.: Moisture:	Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low

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FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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SDG No.:			
Client Sample ID: MRC-SW5A2	-061312	Lab Sample ID: 240-12282-	4
Matrix: Water	······	Lab File ID: UX932471.D	
Analysis Method: 8260B	· · · · · · · · · · · · · · · · · · ·	Date Collected: 06/13/201	2 09:50
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		GC Column: DB-624	ID: 0.18(mm)
Soil Extract Vol.:		GC Column: DB-624 Level: (low/med) Low	ID: 0.18(mm)
Soil Extract Vol.: % Moisture:		Level: (low/med) Low	ID: 0.18(mm)
Soil Extract Vol.:			ID: 0.18(mm)
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u>		Level: (low/med) Low Units: ug/L	ID: 0.18(mm)
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: <u>0</u>		Level: (low/med) Low Units: ug/L TIC Result Total: 0	
Soil Extract Vol.: Moisture: Analysis Batch No.: 48405		Level: (low/med) Low Units: ug/L	ID: 0.18 (mm)
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: 0		Level: (low/med) Low Units: ug/L TIC Result Total: 0	
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: <u>0</u>		Level: (low/med) Low Units: ug/L TIC Result Total: 0	
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: <u>0</u>		Level: (low/med) Low Units: ug/L TIC Result Total: 0	
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: <u>0</u>		Level: (low/med) Low Units: ug/L TIC Result Total: 0	
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: <u>0</u>		Level: (low/med) Low Units: ug/L TIC Result Total: 0	
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: <u>0</u>		Level: (low/med) Low Units: ug/L TIC Result Total: 0	
Soil Extract Vol.: % Moisture: Analysis Batch No.: <u>48405</u> Number TICs Found: <u>0</u>		Level: (low/med) Low Units: ug/L TIC Result Total: 0	

Method: 8260B Date Collected: 06/13/2012 09:45 (ma3. 5(=1)) Date Norligade 06/01/2012 02:10 Image: State Sta		erica Canton	Job No.: 240-12			
mple ID: MRC-SW5B-061312 Lab Sample ID: 240-12282-5 Water Lab File ID: UX932472.D Date Collected: 06/13/2012 09:45 (mml) 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: UX932472.D Date Collected: 06/13/2012 09:45 Imple ID: 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: 5 (-71) Date Numbered: 06 (21/2012) 02:10 Imple ID: 6 (21/2012) Date Numbered: 06 (21/2012) 02:10 Imple ID: 6 (21/2012) Imple ID: 0.18 (mm) 1mple ID: Imple ID: 6 (20/2012) Imple ID: 0.18 (mm	SDG No.:					
Method: 8260B Date Collected: 06/13/2012 09:45 (mail: Collected: 06/21/2012 20:12 act Vol.: GC Column: DB-624 ID: 0.18 (mm) e: Level: (low/med) Low Batch No.: 48405 Units: ug/L	Client Sample ID:	MRC-SW5B-061312	Lab Sample ID:	240-1228	32-5	
Method: 8260B Date Collected: 06/13/2012 09:45 (mol): E(=1) Date Include: 06/01/2012 03:10 	Matrix: Water		Lab File ID: UX	932472.0)	
act Vol.: GC Column: DB-624 ID: 0.18 (mm) e: Level: (low/med) Low Batch No.: 48405 Units: ug/L	Analysis Method:			06/13/2	2012 09:45	
Level: (low/med) Low Batch No.: 48405 Units: ug/L	Canal - and hand - El	(T \	Data Inaluzad.	0 € / 2 1./ 20	10 00.10	
Level: (low/med) Low Batch No.: 48405 Units: ug/L					1	
Level: (low/med) Low Batch No.: 48405 Units: ug/L						
Level: (low/med) Low Batch No.: 48405 Units: ug/L	<u>L</u>					
Level: (low/med) Low Batch No.: 48405 Units: ug/L						
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Level: (low/med) Low Batch No.: 48405 Units: ug/L						
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Level: (low/med) Low Batch No.: 48405 Units: ug/L						
Level: (low/med) Low Batch No.: 48405 Units: ug/L						
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Level: (low/med) Low Batch No.: 48405 Units: ug/L	-					· <u>··</u>
Level: (low/med) Low Batch No.: 48405 Units: ug/L	Soil Extract Vol.:			24	م • תד	18 (mm)
Batch No.: 48405 Units: ug/L		•				
	% Moisture:		Level: (low/med)	LOW		
COMPOUND NAME RESULT O RL MDL						
). COMPOUND NAME RESULT O RE MDL		.: 48405				
	Analysis Batch No.		Units: ug/L		DI	MDT
		.: 48405 COMPOUND NAME	Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L	Q	RL	MDL
	Analysis Batch No.		Units: ug/L		RL [MDL
	Analysis Batch No.		Units: ug/L		RL	MDL
	Analysis Batch No.		Units: ug/L		RL (MDL
	Analysis Batch No.		Units: ug/L		RL (MDL
	Analysis Batch No.		Units: ug/L		RL	MDL
	Analysis Batch No.		Units: ug/L		RL (
	Analysis Batch No.		Units: ug/L		RL (

SDG No.:	Lab Name: <u>Te</u>		Job No.: 240-	··· ·		
Matrix: Water Lab File ID: UX932472.D Analysis Method: 8260B Date Collected: 06/13/2012 09:45 Sample wt/vol: 5(mL) Date Analyzed: 06/21/2012 23:12 \$pcil=blic=out Vol: Dilution Factor: 1	SDG No.:					
Analysis Method: 8260B Date Collected: 06/13/2012 09:45 Sample wt/vol: 5 (mL) Date Analyzed: 06/21/2012 23:12 \$fc^1-31_mort Vol: Dilution Easter: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) Analysis Batch No.: 48405 Units: ug/L . CAS NO. COMPOUND NAME RESULT Q RL MDL	Client Sample	ID: MRC-SW5B-061312	Lab Sample ID	: 240-12	282-5	
Sample wt/vol: 5(mL) Date Analyzed: 06/21/2012 23:12 f(1-2)(must We) Didution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)	Matrix: Wate	r	Lab File ID:	UX932472	. D	
Pilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm)	Analysis Meth	od: 8260B	Date Collected	d: 06/13	/2012 09:45	ō
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) 	Sample wt/vol	: 5(mL)	Date Analyzed	. 06/21/	2012 23:12	
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL	ſſ ^{ċl_x} lignot	vol•	Dilution Fact	~ r • 1		•
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL						
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL						
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL						
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL						
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL	Soil Extract	Vol ·	GC Column. DE	3-624	TD• () 18 (mm)
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL						
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL	1 <u>0</u>					
Analysis Batch No.: <u>48405</u> CAS NO. COMPOUND NAME RESULT Q RL MDL						
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CAS NO. COMPOUND NAME RESULT Q RL MDL						
	Analysis Bato		Units: ug/L			
				0	RL	MDL
	CAS NO.	COMPOUND NAME	RESULT			
	CAS NO.	COMPOUND NAME	RESULT			MDL 0.13
	CAS NO.	COMPOUND NAME	RESULT			
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	Lab Name: <u>TestAmerica Canton</u>	Job No.: 240-12282-1
	SDG No.:	
	Client Sample ID: MRC-SW5B-061312	Lab Sample ID: 240-12282-5
	Matrin-Johnton	Tab_Tila ID 1000000
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-	Soil Aliquot Vol:	Dilution Factor: 1
	Soil Extract Vol.:	
	8 Moisturo.	Level: (low/med) Low
	Analysis Batch No.: 48405	Units: ug/L
	Analysis Batch No 48405	
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TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton	Job No.: 240-12282-1			
SDG No.:				
Client Sample ID: MRC-SW5B-061312	Lab Sample ID: 240-12282-5			
Matrix: Water	Lab File ID: UX932472.D			
Analysis Method: 8260B	Date Collected: 06/13/2012 09:45			
Sample wt/vol: 5(mL)	Date Analyzed: 06/21/2012 23:12			
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% Moisture: Level: (low/med) Low Analysis Batch No.: 48405 Number TICs Found: 0 TIC Result Total: 0	
Analysis Batch No.: 48405 Units: ug/L Number TICs Found: 0 TIC Result Total: 0	
Number TICs Found: 0 TIC Result Total: 0	
	-

	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
	Client Sample ID: MRC-SW6A-061312	
	Matrix: Water	Lab File ID: UX932473.D
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	Sample wt/vol: 5(mL)	Date Analyzed: 06/21/2012 23:36
	Soil Aliquot Vol:	
	Soil Extract Vol.:	
	9. Maiatura	Level: (low/med) Low
	Analysis Batch No.: 48405	Units: ug /L
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Lab_Name:_ TestAmerica_Canton	Job No.: 240-12282-1
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Client Sample ID: MRC-SW6A-06131	
	Lab File ID: UX932473.D
Analysis Method: 8260B	Date Collected: 06/13/2012 10:05

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Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
% Moisture:	Level: (low/med) Low
(- <u>24 - 44</u>)) <u>terreterin internet interne</u>	
Analysis Batch No.: <u>48405</u>	Units: <u>ug/L</u>
CAS NO. COMPOUNT	ID NAME RESULT Q RL MDL

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Lak	Name: TestAmerica Ca	nton	Job No.: 240-12282-1
SDG	G No.:		
Cli			Lab Sample ID: 240-12282-6
Mat	trix: Water		Lab File ID: UX932473.D
	alysis Method: 8260B		
	mple wt/vol: 5(mL)		
	l Aliquot Vol:		
			GC Column: DB-624 ID: 0.18(mm)
			Level: (low/med) Low
	alysis Batch No.: 4840		Units: ug/L
		COMPOUND NAME	
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FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
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	Analysis Mathod: 8260B	Date Collected: 06/13/2012 10:05
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	۰	Dilution Factor: 1
	Soil Aliquot Vol:	Dilution Factor: 1

Tab Nama, MastAmarica Canton	
SDG No.:	
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Matrix: Water	Lab File ID: UX932474.D
	Lab File ID: UX932474.D Date Collected: 06/13/2012 10:10
Matrix: <u>Water</u>	
Matrix: Water Analysis Method: 8260B	Date Collected: 06/13/2012 10:10
Matrix: Water Analysis Method: 8260B	Date Collected: 06/13/2012 10:10
Matrix: Water Analysis Method: 8260B	Date Collected: 06/13/2012 10:10
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Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 00:00
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Lab Name: TestAmerica Canton	Job No.: 240-12282-1		
SDG No.:			
Client Sample ID: MRC-SW6B-061312	Lab Sample ID: 240-12282-7		
Matrix: Water	Lab File ID: UX932474.D		
Analysis Method: 8260B	Date Collected: 06/13/2012 10:10		
Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 00:00		
Soil Aliquot Vol:	Dilution Factor: 1		
Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)		
% Moisture:	Level: (low/med) Low		
Analysis Batch No.: 48405	Units: ug/L		

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FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Ca	inton	Job No.: 240-122	282-1		
SDG No.:					
Client Sample ID: MRC-SI	W6B-061312	Lab Sample ID:	240-12282-	-7	
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Malusis Method 8260B		Date Collected.	06/13/201	12 10.10	
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Sample wt/vol: 5(mL)		Date Analyzed:	06/22/2012	2 00:00	
Soil Aliquot Vol:	· · · · · · · · · · · · · · · · · · ·	Dilution Factor:	1		
Soil Extract Vol.:		GC Column: DB-63	24	ID: 0.18	(mm)
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	05	Units: ug/L		-	
	05	Units: ug/L TIC Result Tota	1: 0		
Analysis Batch No.: 484 Number TICs Found: 0	05		l: <u>0</u>		

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	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
	Client Sample ID: MRC-SW7A-061312	Lab Sample ID: 240-12282-8
	Matrix: Water	Lab File ID: UX932475.D
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- t	Coil Aliquet Vol.	Dilution Factor: 1
	Soil Aliquot Vol:	
	Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
	% Moisture:	Level: (low/med) Low
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. <u>•</u>	Lab Name: <u>_TestAmerica_Canton</u>	Job No.: 240-12282-1
	Client Sample ID: MRC-SW7A-061312	Lab Sample ID: 240-12282-8
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	Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 00:24
		Dilution Poston: 1
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Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.:	
Client Sample ID: MRC-SW7A-061312	Lab Sample ID: 240-12282-8
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Analuaia Mathad. 02600	Data Callestad, 06/13/2012 10.30
-	
Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 00:24
Soil Aliquot Vol:	
Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
% Moisture:	Level: (low/med) Low
Analysis Batch No.: 48405	Units: ug/L
CAS NO. COMPOUND NAME	RESULT Q RL MDL
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FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
	Client Sample ID: MRC-SW7A-061312	Lab Sample ID: 240-12282-8
	Matrix: Water	Lab File ID: UX932475.D
	Analysis Method: 8260B	Date Collected: 06/13/2012 10:30
	Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 00:24
	Soil Aliquot Vol:	Dilution Factor: 1
	Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
	% Moisture:	Level: (low/med) Low
	Analysis Batch No.: 48405	Units: ug/L
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	Lab Name: TestAmeri	ca Canton	Job No.: 240-12282-1					
	SDG No.:			· · · · · · · · · · · · · · · · · · ·				
	Client Sample ID: M		Lab Sample ID: 240-12282-9					
	Matrix: Water							
	Analysis Method: 82		Date Collected: 06/13/2012 10:40					
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•								
	Soil Extract Vol.:		GC Column: DB-624	ID: 0.18(mm)				
	<pre>% Moisture.</pre>		Level: (low/med) Low					
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	Analvsis Batch No.:	48405	Units: ug/L					
	CAS NO.	COMPOUND NAME	RESULT Q	RL MDL				
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Lab Name: TestAmerica Canton	Job No.: 240-12282-1				
SDG No.:					
Client Sample ID: MRC-SW7B-061312	Lab Sample ID: 240-12282-9				
Matrix: Water	Lab File ID: UX932476.D				
Analysis Method: 8260B					
Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 00:48				
Soil Aliquot Vol:					
% Moisture:					
Analysis Batch No.: 48405	Units: ug/L				
CAS NO. COMPOUND NAME	RESULT Q RL MDL				
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			Job No.: 240-12282-1				
SDG No.: Client Sample	e ID: MRC-SW7B-061312		Sample ID:	<u> </u>			
Analysis Meth	nod: 8260B	Date	- Collected:	: 06/13/	2012 10:40		
Sample wt/vol					012 00:48		
Soil Aliquot	Vol:	Dilu	tion Facto	r: <u>1</u>		.	
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۰ ۶ Moisture:			 1: (low/mec	d) Low			
۰ ۴ Moisture: Analysis Bato	ch No.: 48405		l: (low/mec s: ug/L	d) Low			
	ch No.: 48405 COMPOUND NAME			d) Low		MDL	
Analysis Bato			s: ug/L RESULT 2.0	Q	RL 2.0	MDL 0.28	
Analysis Bato CAS NO.	COMPOUND NAME		s: <u>ug/L</u> RESULT	Q			
Analysis Bato CAS NO.	COMPOUND NAME Xylenes, Total		s: ug/L RESULT 2.0	Q			
Analysis Bato CAS NO.	COMPOUND NAME		s: ug/L RESULT 2.0	Q			
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Analysis Bato CAS NO.	COMPOUND NAME Xylenes, Total		s: ug/L RESULT 2.0	Q			
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Analysis Bato CAS NO.	COMPOUND NAME Xylenes, Total		s: ug/L RESULT 2.0	Q			
Analysis Bato CAS NO.	COMPOUND NAME Xylenes, Total		s: ug/L RESULT 2.0	Q			
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Analysis Bato CAS NO.	COMPOUND NAME Xylenes, Total		s: ug/L RESULT 2.0	Q			
Analysis Bato CAS NO.	COMPOUND NAME Xylenes, Total		s: ug/L RESULT 2.0	Q			
Analysis Bato CAS NO.	COMPOUND NAME Xylenes, Total		s: ug/L RESULT 2.0	Q			

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TENTATIV	JELY IDENTIFIED COMPOUNDS
Jah Nama. TestAmerica Canton	.Toh No · 240-12282-1
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SDG No.:	
Client Sample ID: MRC-SW7B-061312	Lab Sample ID: 240-12282-9
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معادیم مراجع مراجع مراجع مراجع	Data Collocted: 06/13/2012 10:40
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Darabade 0260D	
Dyalania Mathad. 0760D	
Dyalania Mathad. 0760D	
	Data Callected. 06/13/2012 10.40
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: 06/22/2012 00:48
Sample wt/vol: 5(mL) Soil Aliquot Vol:	Date Analyzed: 06/22/2012 00:48 Dilution Factor: 1
Sample wt/vol: 5(mL) Soil Aliquot Vol: Soil Extract Vol.:	Date Analyzed: 06/13/2012 10.40 Date Analyzed: 06/22/2012 00:48 Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm)
Sample wt/vol: 5(mL) Soil Aliquot Vol: Soil Extract Vol.: % Moisture:	Date Analyzed: 06/13/2012 10.40 Date Analyzed: 06/22/2012 00:48 Dilution Factor: 1 GC Column: DB-624 ID: 0.18 (mm) Level: (low/med) Low
Sample wt/vol: 5(mL) Soil Aliquot Vol: Soil Extract Vol.:	Date Analyzed: 06/13/2012 10.40 Date Analyzed: 06/22/2012 00:48 Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm)

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

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Lab Name: TestAmerica Canton Job No.: 240-12282-1	
Lab Name: TestAmerica Canton Job No.: 240-12282-1	
Lab Name: TestAmerica Canton Job No.: 240-12282-1	
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Matrix: Water Lab File ID: UX932477.D	
Analysis Method: 8260B Date Collected: 06/13/2012 09:55	
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 01:12	
Soil Aliquot Vol: Dilution Factor: 1	
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Lab Name: Te	stAmerica Canton	Job 1	No.: 240-1	2282-1		
SDG No.:						
Client Sample	D: MRC-SW8A-061312	Lab S	Sample ID:	240-122	282-10	
Matrix: Wate	r	Lab I	File ID: U	JX932477.	. D	
Analysis Meth	nod: 8260B	Date	Collected:	: 06/13,	/2012 09:55	
Sample wt/vol	1: 5(mL)	Date	Analyzed:	06/22/2	2012 01:12	
Soil Aliquot	Vol:	Dilut	tion Factor	1		
Soil Extract	Vol.:	GC Co	olumn: <u>DB</u> -	624	ID: <u>0</u> .	18 (mm)
% Moisture:		Level	l: (low/med	d) Low		
Analysis Bato	ch No.: 48405	Units	s: ug/L			. <u>.</u>
CAS NO.	COMPOUND NAME		RESULT	Q	RL	MDL
56-23-5	Carbon tetrachloride		1.0	U	1.0	0.13

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	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
		Lab Sample ID: 240-12282-10
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_	Analysis Method: 8260B	Date Collected: 06/13/2012 09:55
	Analysis Method: <u>8260B</u> Sample wt/vol: <u>5(mL)</u>	
	Soil Aliquot Vol:	
		GC Column: DB-624 ID: 0.18 (mm)
	% Moisture:	
Į	Analysis Ratch Nr. • 48405	Noits no/L
	CAS NO. COMPOUND NAME	RESULT O RL MDL
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Lab Name. TestAmerica Canto		Job No. • 240-12	282-1	
Lab Name: <u>TestAmerica Canto</u> SDG No.:	on	Job No.: 240-12	282-1	
Lab Name: <u>TestAmerica Canto</u> SDG No.: Client Sample ID: <u>MRC-SW8A</u>			282-1 240-12282-10	
SDG No.: Client Sample ID: MRC-SW8A		Lab Sample ID:	240-12282-10	· · · · · · · · · · · · · · · · · · ·
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water		Lab Sample ID: Lab File ID: UX	240-12282-10 932477.D	9 : 55
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B		Lab Sample ID: Lab File ID: UX Date Collected:	240-12282-10 932477.D 06/13/2012 09	9:55
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B Sample wt/vol: 5(mL)	1-061312	Lab Sample ID: Lab File ID: UX Date Collected: Date Analyzed:	240-12282-10 932477.D 06/13/2012 09 06/22/2012 01:	
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B Sample wt/vol: 5(mL) Soil Aliquot Vol:	061312	Lab Sample ID: Lab File ID: UX Date Collected: Date Analyzed: Dilution Factor:	240-12282-10 932477.D 06/13/2012 09 06/22/2012 01: 1	
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B Sample wt/vol: 5(mL) Soil Aliquot Vol:	1-061312	Lab Sample ID: Lab File ID: UX Date Collected: Date Analyzed:	240-12282-10 932477.D 06/13/2012 09 06/22/2012 01: 1 24 ID	:12
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B Sample wt/vol: 5(mL) Soil Aliquot Vol: Soil Extract Vol.: % Moisture:	061312	Lab Sample ID: Lab File ID: UX Date Collected: Date Analyzed: Dilution Factor: GC Column: DB-6 Level: (low/med)	240-12282-10 932477.D 06/13/2012 09 06/22/2012 01: 1 24 ID	:12
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B Sample wt/vol: 5(mL) Soil Aliquot Vol: Soil Extract Vol.:	061312	Lab Sample ID: Lab File ID: UX Date Collected: Date Analyzed: Dilution Factor: GC Column: DB-6	240-12282-10 932477.D 06/13/2012 09 06/22/2012 01: 1 24 ID Low	:12
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B Sample wt/vol: 5(mL) Soil Aliquot Vol: Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405	061312	Lab Sample ID: Lab File ID: UX Date Collected: Date Analyzed: Dilution Factor: GC Column: DB-6 Level: (low/med) Units: ug/L	240-12282-10 932477.D 06/13/2012 09 06/22/2012 01: 1 24 ID Low	:12
SDG No.: Client Sample ID: MRC-SW8A Matrix: Water Analysis Method: 8260B Sample wt/vol: 5(mL) Soil Aliquot Vol: Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405	061312	Lab Sample ID: Lab File ID: UX Date Collected: Date Analyzed: Dilution Factor: GC Column: DB-6 Level: (low/med) Units: ug/L	240-12282-10 932477.D 06/13/2012 09 06/22/2012 01: 1 24 ID Low	:12

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Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.: Client Sample ID: MRC-SW8B-061312	I_{2} = I_{2} = I_{2} = I_{2} = I_{2} = I_{2}
Matrix: Water	
Analysis Method: 8260B	
Sample wt/vol: 5(mL)	
Soil Aliquot Vol:	
Soil Extract Vol.:	
% Moisture:	Level: (low/med) Low
	Level: (low/med) Low

SDG No.:	
Client Sample ID: MRC-SW8B-061312	Lab Sample ID: 240-12282-11
Matrix: Water	
Analysis Method: 8260B	
Sample wt/wol· 5(ml)	Date Analwzed
-	
Soil Aliquet Vol.	
Soil Aliquot Vol:	$\frac{1}{1}$
	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low
% Moisture:	
Analysis Batch No.: 48405	
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Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.:	
Client Sample ID: MRC-SW8B-061312	Lab Sample ID: 240-12282-11
Matrix: Water	
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Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 01:36
Soil Aliquot Vol:	Dilution Factor: 1
	GC Column: DB-624 ID: 0.18(mm)
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FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.:	
Client Sample ID: MRC-SW8B-061312	
Matrix: Water	Lab File ID: UX932478.D
Analysis Method: 8260B	Date Collected: 06/13/2012 10:00
Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 01:36
	Dilution Factor: 1
	GC Column: DB-624 ID: 0.18(mm)
% Moisture:	
Analysis Batch No.: 48405	
Number TICs Found: 0	TIC Result Total: 0

SDG No.: Client Sample ID: MRC-SW9A-061312 Lab Sample ID: 240-12282-12 Matrix: Water Lab File ID: UX932479.D Sample wt/vol: Sample VI + A Strate VI + A		Lab Name: TestAmerica Canton	Job No.: 240-12282-1
Matrix: Water Lab File ID: UX932479.D Sample wt/vol: 5(mL) 06/02/2012 02:00 Soil Aliquot Vol: Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low			
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low			
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 TD: 0.18(mm) % Moisture: Level: (low/med) Low			
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low	-		
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low			
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low			
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low			
Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low			
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Sample wt/vol: 5(mL) Date Analyzed: 06/22/2012 02:00 Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low	×		
Soil Aliquot Vol: Dilution Factor: 1 Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low	-		
Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low		Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 02:00
Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low		Soil Aliquot Vol:	Dilution Factor: 1
		Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
Analysis Batch No.: 48405 Units: ug/L		% Moisture:	Level: (low/med) Low
		Analysis Batch No.: 48405	Units: ug/L
CAS NO. COMPOUND NAME RESULT Q RL MDL		CAS NO. COMPOUND NAME	RESOLT Q RL MDL
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	Lab Name: TestAme	rica Canton	Job No.: 240-1	2282-1
	SDG No.:			
	Client Sample ID:		Lab Sample ID:	240-12282-12
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Lab Name: <u>TestAmerica Canton</u> SDG No.:	Job No.: 240-12282-1
Client Sample ID: MRC-SW9A-061312	Lab Sample ID: 240-12282-12
Matrix: Water	Lab File ID: UX932479.D
Analysis Method: 8260B	Date Collected: 06/13/2012 10:15
<u>Semple 11: 4101-5 (ml.)</u>	Data_Apalward. 06/22/2012 02.00
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Soil Extract Vol.:	GC Column: DB-624 ID: 0.18 (mm)
	GC Column: DB-624 ID: 0.18 (mm)
Soil Extract Vol.:	
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FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton Job No.: 240-12282-1	
SDG No.:	
Client Sample ID: MRC-SW9A-061312	Lab Sample ID: 240-12282-12
Matrix Water	Lah File In. IIX932479 n
<i></i>	
Analysis Method: 8260B	Date Collected: 06/13/2012 10:15
Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 02:00
Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
% Moisture:	Level: (low/med) Low
Analysis Batch No.: 48405	Units: ug/L
Number TICs Found: 0	TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	_

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	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
	Client Sample ID: MRC-SW9B-061312	Lab Sample ID: 240-12282-13
	Matrix: Water	Lab File ID: UX932480.D
	30-1 M-+ 00C0D .	Bata Calloctod. 06/12/2012 10.15
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	Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 02:24
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	% Moisture:	Level: (low/med) Low
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	Anglesic Rates No - 48405	
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	ame: <u>TestAmeric</u>	ca Canton	Job No.: 240-12282-1	_
Client	t Sample ID: M	IRC-SW9B-061312	Lab Sample ID: 240-12282-13	
Matrix	x: Water	·	Lab File ID: UX932480.D	
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Soil A	Aliquot Vol:		Dilution Factor: 1	
	Aliquot Vol:		Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm)	
Soil E				
Soil E % Mois	Extract Vol.:	40405	GC Column: DB-624 ID: 0.18(mm)	
Soil E % Mois	Extract Vol.:	4040E	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low	
Soil E % Mois	Extract Vol.:	A0 40 E	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low	
Soil E % Mois	Extract Vol.:		GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low	
Soil E % Mois	Extract Vol.:		GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low	
Soil E % Mois	Extract Vol.:		GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low	
Soil E % Mois	Extract Vol.:		GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low	
Soil E % Mois	Extract Vol.:		GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low	

	Lab Name: Tes	tAmerica Canton	Job No.: 24	0-12282-1			-
	SDG No.:						_
	Client Sample	ID: MRC-SW9B-061312	Lab Sample 1	ED: 240-12	2282-13		-
	Matrix: Water		Lab File ID	UX932480).D		-
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	Sample wt/vol:	5 (mL)	Date Analyze	ed: 06/22/	/2012 02:24		_
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	– Analysis Batch	n No.: 48405	 Units: ug/L				-
	Analysis Batch	I NU.: 40405	Units: <u>ug/L</u>				-
	CAS NO.	COMPOUND NAME	RESUL	r Q	RL	MDL	

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	Lab Name: TestAmerica	a Canton		Job No.:	240-12282-1		
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	Sample wt/vol: 5(mL)			Data Apal	yzed: 06/22/20	10 00.04	

Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.:	
Client Sample ID: TB-061312	Lab Sample ID: 240-12282-14
Matrix: Water	Lab File ID: UX932481.D
Analysis Method: 8260B	Date Collected: 06/13/2012 00:00
Sample wt/vol: 5(mL)	
Soil Aliquot Vol:	
Soil Extract Vol.:	
% Moisture:	
Analysis Batch No.: 48405	Units: ug/L
CAS NO. COMPOUND NAME	RESULT Q RL MDL
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	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
	Client Sample ID: TB-061312	Lab Sample ID: 240-12282-14
	Matrix: Water	Lab File ID: UX932481.D
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	Sample wt/vol: 5(mL)	Date Analyzed: 06/22/2012 02:48
		Dilution Factor: 1
		GC Column: DB-624 ID: 0.18(mm)
		Level: (low/med) Low
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Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) % Moisture: Level: (low/med) Low		Lab Name: TestAmerica Canto	on	Job No.: 240-122	82-1			
Client Sample ID: <u>TB-661312</u> Natrix: Nater Analysis Method: <u>82600</u> Date Collected: <u>66/13/2012</u> 00:00 Table Sample ID: <u>UX932481.B</u> Date Collected: <u>66/13/2012</u> 00:00 Control Sample ID: <u>0.18(mm)</u> Solid Sample ID: <u>0.18(mm)</u> Solid Satract Vol.: Solid Satract Vol.: Solid Satract Vol.: CCC Column: <u>DB-624</u> Level: (low/med) Low CCMPOUND NAME RESULT <u>0</u> RL MDL		SDG No.:						
Matrix: Water Lab File ID: UX932481.D Analysis Method: 82608 Date Collected: 06/13/2012 00:00 Soil Extract Vol.: Collected: 06/13/2012 00:00 Date Collected: 06/13/2012 00:00 Material District 100 Date Collected: 100 Date Collect		Client Sample ID: TB-06131	.2	Lab Sample ID: 2	240-12282-1	4		
Analysis Method: E260B Date Collected: 06/13/2012 20:00 Solid Line		Matrix: Water		Lab File ID: UXS	32481.D			
South and the first				Date Collected:	06/13/2012	00:00		
Soil Extract Vol.: GC Column: DB-624 ID: 0.15 (mm) % Moisture: Level: (low/med) Low			<u> </u>	n-t- n-el.	· · · · · · · · · · · · · · · · · · ·	00.40		
Soil Extract Vol.: GC Column: DB-624 ID: 0.15 (mm) % Moisture: Level: (low/med) Low								
Soil Extract Vol.: GC Column: DB-624 ID: 0.15 (mm) % Moisture: Level: (low/med) Low								
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low % Moisture:	,							
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low 9.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	{							
Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm) § Moisture: Level: (low/med) Lew Soil Extract Vol.: Compound Name RESULT Q RL MDL								
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low % Moisture: Level: 000000000000000000000000000000000000	• (`							
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low % Moisture: Level: 000000000000000000000000000000000000								
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low % Moisture: Level: 000000000000000000000000000000000000	2							
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low % Moisture: Level: 000000000000000000000000000000000000	<u>.</u>							
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Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low		Coil Alicust Vol.		- Dilution Fretory				
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm) % Moisture: Level: (low/med) Low	di -							
<pre>% Moisture: Level: (low/med) Low</pre>								
CAS NO. COMPOUND NAME RESULT Q RL MDL		Soil Extract Vol.:		GC Column: DB-62	4	ID: 0.18	(mm)	
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FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	TestAmerica Canton		Job No.: 240-12			
SDG No.:						
Client Sa	mple ID: TB-061312		Lab Sample ID:	240-12282	2-14	
Matrix: V	Jater		Lab File ID: U	X932481.D		
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Ę						
Sample wt	/vol: 5(mL)		Date Analyzed:	06/22/201	.2 02:48	
Sample wt Soil Aliq	/vol: 5(mL)		Date Analyzed: Dilution Factor		.2 02:48	
Soil Aliq	/vol: 5(mL) uot Vol:			: 1		(mm)
Soil Aliq	/vol: 5(mL) uot Vol:		Dilution Factor	: <u>1</u> 624	ID: 0.18	
Soil Aliq Soil Extr % Moistur	/vol: 5(mL) uot Vol:		Dilution Factor	: <u>1</u> 624		
Soil Aliq Soil Extr % Moistur	/vol: 5(mL) uot Vol: act Vol.:		Dilution Factor GC Column: DB-(Level: (low/med	: <u>1</u> 624	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur	/vol: 5(mL) uot Vol: act Vol.: e: Batch_No · 48405		Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u>	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur	/vol: 5(mL) uot Vol: act Vol.:		Dilution Factor GC Column: DB-(Level: (low/med	: <u>1</u> 624) <u>Low</u>	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur Number TI	/vol: 5(mL) uot Vol: act Vol.: e: Ratch_No · 48405 Cs Found: 0		Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u> al: <u>0</u>	ID: 0.18	
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Soil Aliq Soil Extr % Moistur Moistur Number TI	/vol: 5(mL) uot Vol: act Vol.: e: Ratch_No · 48405 Cs Found: 0	COMPOUND NAME	Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u> al: <u>0</u>	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur Number TI	/vol: 5(mL) uot Vol: act Vol.: e: Batch_No · 48405 Cs Found: 0 0.	COMPOUND NAME	Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u> al: <u>0</u>	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur Number TI	/vol: 5(mL) uot Vol: act Vol.: e: Batch_No · 48405 Cs Found: 0 0.	COMPOUND NAME	Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u> al: <u>0</u>	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur Number TI	/vol: 5(mL) uot Vol: act Vol.: e: Batch_No · 48405 Cs Found: 0 0.	COMPOUND NAME	Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u> al: <u>0</u>	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur Number TI	/vol: 5(mL) uot Vol: act Vol.: e: Batch_No · 48405 Cs Found: 0 0.	COMPOUND NAME	Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u> al: <u>0</u>	ID: 0.18	
Soil Aliq Soil Extr % Moistur Moistur Number TI	/vol: 5(mL) uot Vol: act Vol.: e: Batch_No · 48405 Cs Found: 0 0.	COMPOUND NAME	Dilution Factor GC Column: DB- Level: (low/med Units:/I,	: <u>1</u> 624) <u>Low</u> al: <u>0</u>	ID: 0.18	

Appendix C

Support Documentation

CASE NARRATIVE

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<u>به.</u>	j
Report Number: 240-12282-1	
With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of t	ne samples and no
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	Testamente in environmental testing	TestAmerica Laboratories, Inc. COC No:	SDG No. Sampler:	Sample Specific Notes:			s are retained longer than 1 month) Archive ForMonths	Date/Time: <i>し- パイ・12</i> プロク Date/Time: Date/Time:
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	TestAmerica North Canton Sample	Receipt Form/Narrative	Login # : 12282	
	Client Tatra Tach	Site Name	By: the	
	Cooler Received on 6-14.12	Opened on 6-14-12	(Signature)	
	FedEx: 1 st Grd Fyn LIPS FAS	Stetson Client Dron Off TestAmerica	Courier Other	
	TestAmerica Cooler #	Foam Box Client Cooler Box (Other	
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Client: Tetra Tech, Inc			Job Number: 240-12282-1
Login Number: 12282 List Number: 1 Creator: Sutek, Nick			List Source: TestAmerica Canton
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Radioactivity either was not measured background	or, if measured, is at or below	N/A	
The cooler's custody seal if present is	2 intact	T	
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The cooler or samples do not appear t	o have been compromised or	True	
tampered with		~	
Simples were received on ice		Trua	
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Cooler Temperature is acceptable. Cooler Temperature is recorded.		True True	
COC is present.		True	
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COC is filled out with all pertinent infor	mation.	True	
Is the Field Sampler's name present of There are no discrementian between the		True	
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SAMPLE SUMMARY

	Client: Tetra Tech	n, Inc		Job	Number: 240-12282-1	
	Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received	
	240_12282 1	MPC \$10/10-061312		06/13/2012 0910	<u>06/14/2012 0900</u>	
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	240-12282-4	MRC-SW5A2-061312	Water	06/13/2012 0950	06/14/2012 0900	
	240-12282-4 240-12282-5	MRC-SW5A2-061312 MRC-SW5B-061312	Water	06/13/2012 0945	06/14/2012 0900	
	240-12282-6	MRC-SW6A-061312	Water	06/13/2012 1005	06/14/2012 0900	
	240-12282-7	MRC-SW6B-061312	Water	06/13/2012 1010	06/14/2012 0900	

METHOD SUMMARY

Description	Lab Location	Method	Preparation Method
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olatile Priority Pollutants	TAL NC	SW846 8260B	
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Method References:

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

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BROM	OFLUOROBENZENE (BFB)	
Lab Name: TestAmerica Canton	Job No.: 240-122	32-1
SDG No.:		
Lab File ID: BFB1885.D		
Instrument ID: A3UX9	BFB Injection Tim	e: <u>17:28</u>
Analysis Batch No.: 21323		
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FORM VII

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b Name: TestAmerica Canton		Job No.: 240-122	82-1	
G No.:				
b Sample ID: ICV 240-21323/1		Calibration Date:		
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Column: <u>DB-624</u>	ID: 0.18(mm)		10/31/2011 19:5	6
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Column: DB-624	ID: 0.18(mm)			
Column: <u>DB-624</u>	ID: 0.18(mm)			96
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Column: DB-624	ID: 0.18(mm)			
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Column: DB-624	ID: 0.18 (mm)			- · · · · ·

Lab Name: TestAmerica Canton SDG No.:				
Instrument ID:	A3UX9		Calib Start Date:	10/31/2011 17:54
GC Column: DB-6	24	ID: 0.18(mm)	Calib End Date:	10/31/2011 19:56
Lab File ID: UX90545.D		Conc. Units: ug/I	Heated Purge: (Y/N) N	
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Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.: $f_{ab} = \frac{1}{2} \frac$	Calibration Date: 10/21/2011 22:56
Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)	Calib Start Date: 10/31/2011 17:54 Calib End Date: 10/31/2011 19:56
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	Lab Name: TestAmerica Can	iton	Job No.: 240-12282	-1
	SDG No.:			
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	Lab File ID: UX90545.D		Conc. Units: ug/L	Heated Purge: (Y/N) N
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FORM V GC/MS VOA INSTRUMENT PERFORMANCE CHECK BROMOFLUOROBENZENE (BFB)

SDG No.: EFEZGE3.D BFB Injection Date: 06/21/2012 Instrument 10: AXX9 BFB Injection Date: 18:06 Analysis Batch No.: 48425 Analysis Batch No.: 48425 MC CON ABUNDANCE CRITERIA ABUNDANCE 42.000 300 15:0.0 40:0.0 % of mass 95 16:0.0 373 5:0.0 5:0 % of mass 176 5:7 (0.5)12	Lab N	ame: TestAmerica Canton	Job No.: 240-12282-	1	
Lab File ID: BFB 2083.0 DFF Injection Date: DE/21/2012 Instrument ID: A300 BFB Injection Time: 19:06 Analysis Batch No.: 48405 8805 16:0 N/h ION ABUNDANCE CRITERIA 80000000 800000000 50 15:0 40:0% of mass 95 16:0 53 53:0 6:0.0% of mass 95 16:0 55 58:0 6:0.0% of mass 95 16:0 124 Levs 10% of mass 174 6:3 7:5:1	SDG N	0.:			
Instrument ID: A30X9 BFB Injection Time: 18:06 Analysis Batch No.: 48405 M/k 10N ABUNGANCE CRITERIA % RELATIVE ABUNGANCE 50 15.0 - 40.0 % of mass 99 95 30se Feed. 1005 rolative abundance 100.0 96 5.0 9.0 % of mass 39 6.4 12 -Fees_tipn 2/0 % of mass 174 6.4	Lab F	1. ID. DED20(2 D		06/21/2012	
MARIYSIS Batch No.: 48403 M/E ION ASUNDANCE CRITERIA A HELECTIVE ABUNDANCE 75 30.0 - 40.0 % of mass 95 47.0 95 5.0 - 9.0 % of mass 95 6.4 102 Levs_Liber 2.0 % of mase 95 0.4 123 Levs_Liber 2.0 % of mase 174 0.8	Instr		BFB Injection Time:	18:06	
M/S ION ADUNDANCE AUNDANCE 33 10.0 40.0 6 of mass 95 12.0 95 13.0 - 60.0 % of mass 95 47.0 95 13.0 - 0.0 % of mass 95 6.1 95 13.0 - 9.0 % of mass 95 6.4 97 12.4 19.6 2.0 % of mass 17.0					
M/S ION ADUNDANCE AUNDANCE 33 10.0 40.0 6 of mass 95 12.0 95 13.0 - 60.0 % of mass 95 47.0 95 13.0 - 0.0 % of mass 95 6.1 95 13.0 - 9.0 % of mass 95 6.4 97 12.4 19.6 2.0 % of mass 17.0					
75 30.0 - 60.0 % of mass 95 47.0 95 Bass Peak, 1005 relative sbundance 100.0 95 0.6 .4 123 Less 1200 2 0 % of mass 172 0.6	М	1/E ION ABUNDANCE CRITERIA			
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Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.:	
Lab Sample ID: CCVIS 240-48405/2	Calibration Date: 06/21/2012 18:29
Instrument ID: A3UX9	Calib Start Date: 10/31/2011 17:54
GC Column: DB-624 ID: 0.18(mm) Lab File ID: UX932460.D	
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SDG No.:	Calibration Date: 06/21/2012 18:29
Lab Sample ID: CCVIS 240-48405/2 Instrument ID: A3UX9	Calib Start Date: 10/31/2011 17:54
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SDG No.:	
Lab Sample ID: CCVIS 240-48405/2	Calibration Date: 06/21/2012 18:29
Instrument ID: A3UX9	Calib Start Date: 10/31/2011 17:54
GC Column: DB-624 ID: 0.18(mm)	Calib End Date: 10/31/2011 19:56
Lab File ID: UX932460.D	Conc. Units: ug/L Heated Purge: (Y/N) N
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FORM VII רה את זורא מראד אווידאור האשר האשר האשר .

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Lab Name	e: TestAmerica Canton		Job No.: 240-12	282-1	
SDG No.:					
	ple ID: CCV 240-48405/3		Calibration Date	e: 06/21/2012 19:18	
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GC Colur	nn: DB-624	ID: 0.18(mm)	Calib End Date:	10/31/2011 22:06	
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FORM IV GC/MS VOA METHOD BLANK SUMMARY

SDG No.:	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
Matrix: Water Heated Purge: (Y/N) N Instrument ID: A30X9 Date Analyzed: 06/21/2012 19:45 GC Column: DE-624 ID: <u>3.18(mn)</u>	SDG No.:	
Matrix: Water Beated Purge: (Y/N) N Instrument JD: A30X9 Date Analyzed: 06/21/2012 19:45 GC Column: DE-624 DD: 0.18(mm)		
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GC/MS VOA ORGANICS ANALYSIS DATA SHEET

ater Method: 8260B		A . A	Lab File ID: Date Collect	: <u>UX93</u> ced: _	2463.D			
ater Method: 8260B		A . A	Lab File ID: Date Collect	: <u>UX93</u> ced: _	2463.D			
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ct Vol.:			GC Column:	DB-624		ID: <u>C</u>).18(mm)	
:			Level: (low/	/med)	Low			
Batch No.: 4840)5		Units: ug/L					
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FORM I

FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET

SDG No.: Client Sample ID:	Lab Sample ID: MB 240-48405
Matrix: Water	Lab File ID: UX932463.D
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Soil Aliquot Vol:	Dilution Factor: 1 GC Column: DB-624 ID: 0.18(mm)
Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm)
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Soil Extract Vol.:	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L
Soil Extract Vol.: % Moisture: Analysis Batch No.: 48405 CAS NO. COMPOUND NAME	GC Column: DB-624 ID: 0.18(mm) Level: (low/med) Low Units: ug/L

FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton	Job No.: 240-12282-1
SDG No.:	
Client Sample ID:	Lab Sample ID: MB 240-48405/4
Matrix: Water	Lab File ID: UX932463.D
Analysis Method: 8260B	Date Collected:
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Soil Aliquot Vol:	Dilution Factor: 1
Soil Extract Vol.:	
% Moisture:	Level: (low/med) Low
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FORM II GC/MS VOA SURROGATE RECOVERY

	Lab Name: TestAme	erica Canton		Job No.	: 240-12282-1	
	SDG No.:					
	 Matrix: Water			Level:	Low	
	GÇ <u>Çolumn (1): D</u> H	3-624 ID:	0.18 (mm)			
	Client Sample ID	Lab Sample ID	DBFM # DC	A # TOL #	BFB #	
	MRC-SW1A-061312	240-12282-1	88 9	3 89	82	
	MRC-SW2A-061312	240-12282-2		1 91	82	
1::-	MRC-9W5A1-061312	240-12282-3	88 9	2 89	82	
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FORM III GC/MS VOA LAB CONTROL SAMPLE RECOVERY

SDG No.:	
SPIKE LCS LCS QC	
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FORM III GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: <u>TestAmerica Can</u> SDG No.:			240-12282-1		
Matrix: Water	Level: Low	Lab File	ID: UX932461.D	·- <u>-</u> ··-	
Lab ID: LCS 240-48405/5		- Client II	· ···		
				·····	
	SPI ADD	ED C	LCS ONCENTRATION	LCS QC % LIMIT	s #
COMPOUND cis-1,3-Dichloropropene	(ug/	20.0	(ug/L) 18.4	REC REC 92 61-1	15
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FORM III GC/MS VOA MATRIX SPIKE RECOVERY

EEG No.: Mutrix: Water Level: Lew Lab F10 13: UX922422.3 		Lab Name: TestAmerica	Canton	Job No.: 240-12282-	-1	
Macrix: Water Level: Low Lab File ID: UX932482.D		SDG No.:				
		Matrix: Water	Level: Low	Lab File ID: UX932		
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SDG No.:		Level: Low	Lab File ID: U		
SDG No.: Matrix: Water		Level: Low	Lab File ID: U. Client ID:	<932482.D	
SDG No.:		Level: Low	Lab File ID: U Client ID:	<932482.D	
SDG No.: Matrix: Water		SPIKE	Client ID:	MS MS	QC
Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE	Client ID:	MS MS	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12		SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #
SDG No.: Matrix: Water Lab ID: 240-12	358-A-2 MS	SPIKE ADDED	Client ID:	MS MS ENTRATION %	LIMITS #

FORM III GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

SDG No.: Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID: Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID: Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID: Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:						
Matrix: Water Level: Low Lab File ID: UX932483.D Lab ID: 240-12358-A-2 MSD Client ID:			<u></u>			<u></u>
Lab ID: 240-12358-A-2 MSD Client ID:	SDG No.:					
Lab ID: 240-12358-A-2 MSD Client ID:	Matrix: Water Lev	vel: Low	Lab File II): UX932	483.D	
SPIKE MSD MSD QC LIMITS	Lab ID: 240-12358-A-2 MSD		Client ID:			
SPIKE MSD MSD QC LIMITS						
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FORM III GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

SDG No.: Matrix: Rater Level: Lew Lab File ID: UX932483.0 Lab DI: 240-12358-A-2 MSD Client ID: COMPOUND CONTENTRATION & COMPOUND REC APD RED RED RED RED ACCOMPONENT AND A COMPOUND REC APD RED RED RED RED RED RED RED RED RED RE		Lab Name: TestAmerica Canton				Job No.: 240-12282-1									
ADDED CONCENTRATION & RPD REC #		Matrix:	Water Level		evel:										
							ADDED	CONCENTRA	NOITA	90				#	
	· · ·		COMP	OUND			(ug/L)	(ug/L)	REC	RPD		REC		
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FORM VIII GC/MS_VOA_INTERNAL_STANDARD_AREA_AND_RETENTION_TIME_SUMMARY

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	SDG No.:	
	Sample No.: STD8260 240-21323/6	
	Instrument ID: A3UX9	
	Lab File ID (Standard): UX90536.D	Heated Purge: (Y/N) N
	Calibration ID: 4930	
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FORM VIII

GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

	Lab Name: TestAmerica Canton	Jo	b No.:	240-12282-1	L			
	SDG No.:							
	Sample No.: CCVIS 240-48405/2	Da	te Analy	zed: 06/2	1/2012 1	.8:29		
	Instrument ID: A3UX9	GC	Column:	DB-624		ID: 0.1	8 (mm)	
	Lab File ID (Standard): UX932460.D			ge: (Y/N)				
	Calibration ID: 6381							
		FB AREA #	RT #	CBZ AREA #		DCB AREA #	RT #	
	12/24 HOUR STD	1630676	5.29	1302590	7.96	700081	10.19	
	UPPER LIMIT	3261352	5.79	2605180	8.46	1400162	10.69	
	LOWER LIMIT	815338	4.79	651295	7.46	350041	9.69	
	LAB SAMPLE ID CLIENT SAMPLE ID							
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		JOB NUMBER	
	SUBJECT	SDG	240-12282-1
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Sample Calculation

FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET

	Lab Name: TestAmerica Canton	Job No.: 240-12282-1
	SDG No.:	
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	Sample wt/vol: 5(mL)	Date Analyzed: 06/21/2012 23:36

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Target Compound Quantitation Report

Report Date: 22-Jun-2012 15:58:11

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Chrom Revision: 2.0 08-Feb-2012 11:07:54

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CHEMCIAL RESULTS FOR SURFACE WATER SAMPLES - DARK HEAD COVE AND COW PEN CREEK, JUNE 2012 LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND PAGE 1 OF 6

CHEMCIAL RESULTS FOR SURFACE WATER SAMPLES - DARK HEAD COVE AND COW PEN CREEK, JUNE 2012 LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND PAGE 3 OF 6

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE VOLATILES (UG/L) 1,1,1,2-TETRACHLOROETHANE 1,1,2,2-TETRACHLOROETHANE 1,1,2,2-TETRACHLOROETHANE 1,1,2-TRICHLOROTRIFLUOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHANE 1,2,3-TRICHLOROBENZENE

CHEMCIAL RESULTS FOR SURFACE WATER SAMPLES - DARK HEAD COVE AND COW PEN CREEK, JUNE 2012 LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND PAGE 5 OF 6

LOCATION SAMPLE ID SAMPLE DATE SAMPLE CODE MATRIX SAMPLE TYPE VOLATILES (UG/L) 1,1,1,2-TETRACHLOROETHANE 1,1,1-TRICHLOROETHANE 1,1,2,2-TETRACHLOROETHANE 1,1,2-TRICHLOROTRIFLUOROETHANE 1,1-DICHLOROETHANE 1,1-DICHLOROETHENE 1,1-DICHLOROPROPENE 1,2,3-TRICHLOROBENZENE 1,2,3-TRICHLOROPROPANE 1,2,3-TRIMETHYLBENZENE 1,2,4-TRICHLOROBENZENE 1,2,4-TRIMETHYLBENZENE

CHEMCIAL RESULTS FOR SURFACE WATER SAMPLES - DARK HEAD COVE AND COW PEN CREEK, JUNE 2012 LOCKHEED MARTIN MIDDLE RIVER COMPLEX, MIDDLE RIVER, MARYLAND PAGE 6 OF 6

LOCATION
SAMPLE ID
SAMPLE DATE
SAMPLE CODE
MATRIX
SAMPLE TYPE
VOLATILES (UG/L)
CHLOROBENZENE
CHLORODIBROMOMETHANE
CHLOROETHANE
CHLOROFORM
CHLOROMETHANE
CIS-1,2-DICHLOROETHENE
CIS-1,3-DICHLOROPROPENE
DIBROMOMETHANE
DICHLORODIFLUOROMETHANE
DIISOPROPYL ETHER
ETHYL TERT-BUTYL ETHER
ETHYLBENZENE
HEXACHLOROBUTADIENE
ISOPROPYLBENZENE
M+P-XYLENES
METHYL TERT-BUTYL ETHER