File 734043
V#2

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March 31, 2011

Ms. Sandy Lizlovs
NYSDEC Region 7
615 Erie Blvd. West
Syracuse, New York 13204

Re: Carrier Corporation, Thompson Road Facility, Syracuse, New York
SPDES Permit No. NY 000 1163
Corrective Action Order — Index CO 7-20051118-4
Basin 001 Roof Runoff Sampling Report

Dear Ms. Lizlovs:

Please find enclosed one hard copy of the report describing the findings of the roof runoff sampling activities for buildings in Drainage Basin 001, draining to the Outfall 001.

Please call me if you have any questions at (615) 255-9300.

Sincerely,

EnSafe Inc.

May M. Heflin

By: May Heflin, PE

Encl. Basin 001 Roof Runoff Sampling Report, March 2011

cc: Ms. Tara Blum — NYSDEC, Division of Environmental Remediation, Syracuse
Mr. Larry Rosenmann — NYSDEC, Division of Environmental Remediation, Albany
Mr. Dare Adelugba — NYSDEC, Division of Water, Albany
Mr. William Penn — UTC (electronic version only)
Mr. Nelson Wong — Carrier Corporation

BASIN 001 ROOF RUNOFF SAMPLING REPORT

UNITED TECHNOLOGIES/CARRIER
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

EnSafe Project Number
0888809186

Revision No.: 0

Prepared for:

United Technologies Corporation
UTC Shared Remediation Services
United Technologies Building
Hartford, Connecticut 06010

Prepared by:

EnSafe Inc.
220 Athens Way, Suite 410
Nashville, Tennessee 37228
(615) 255-9300
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March 2011

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Appendices

1.0 POTENTIAL SOURCE AREA: DRAINAGE BASIN 001 ROOF RUNOFF

1.1 Summary of Past Investigations

In May 2008, a Pollutant Minimization Program (PMP) was developed for the Carrier Corporation facility in Syracuse, New York, as required by the Special Conditions listed in their State Pollutant Discharge Elimination System (SPDES) Permit (No.: NY 000 1163). The PMP was submitted to the New York Department of Environmental Conservation (NYSDEC) in May 2008 and approval of the PMP was received from Ms. Sandy Lizlovs with the Division of Water, Region 7, by letter dated October 9, 2008.

Data obtained to-date as part of the PMP indicates storm water discharges at Outfall 001 periodically contain polychlorinated biphenyls (PCBs) at concentrations greater than 0.065 micrograms per liter (µg/L). Tables 1-1 and 1-2 summarize the quarterly sampling result obtained as part of this program.

Table 1-1
Outfall 001 — PMP Quarterly Monitoring Data Summary 2009
(all results in µg/L)
Carrier Corporation, Syracuse, New York

Sample Period:	February 2009			April/May 2009			July 2009			November 2009		
	1st Quarter			2nd Quarter			3rd Quarter			4th Quarter		
Method:	Green Bay Method	USEPA 608A		Green Bay Method	USEPA 608A		Green Bay Method	USEPA 608A		Green Bay Method	USEPA 608A	
Aroclor:	NA	1254	1260	NA	1254	1260	NA	1254	1260	NA	1254	1260
Outfall 001	0.0626	<0.065	<0.065	0.113	<0.065	<0.065	0.191	0.077	0.128	0.0543	<0.065	<0.065

Table 1-2
Outfall 001 — PMP Quarterly Monitoring Data Summary 2010
(all results in µg/L)
Carrier Corporation, Syracuse, New York

Sample Period:	March 2010			June 2010			September 2010			December 2010		
	1st Quarter			2nd Quarter			3rd Quarter			4th Quarter		
Method:	Green Bay Method	USEPA 608A		Green Bay Method	USEPA 608A		Green Bay Method	USEPA 608A		Green Bay Method	USEPA 608A	
Aroclor:	NA	1254	1260	NA	1254	1260	NA	1254	1260	NA	1254	1260
Outfall 001	0.111	0.0903	<0.065	0.202	<0.065	0.0868	0.345	<0.065	0.531	0.0483	<0.065	<0.065

Notes:
Current Permit — Outfall 01A — 0.3 µg/L, no permit limits at 001 and 002
Proposed Permit — Outfall 01A, 001, 002 — 0.2 µg/L

1.2 Roof Runoff Sampling Activities

Because storm water discharges from Outfall 001 periodically contain PCBs above the MDL, runoff from eight of 11 building roofs in the 001 drainage basin was proposed for sampling in the NYSDEC-approved 2010 work plan (*Basin 001 Roof Runoff Sampling Work Plan, September 2010*), to determine if they represent a continuing source of PCBs to storm water. These buildings included portions of TR-4 and TR-5, TR-6A, TR-19, TR-21, TR-21A, the treatment building, and one gate-house security building. Each building roof was divided into sections based on age of construction and construction material. Table 1-3 summarizes key building characteristics and the number of runoff samples obtained from each roof.

Table 1-3
Drainage Basin 001 Buildings Sampled

	Building ID	No. of Samples	Other Comments
1.	TR-4 (6 sections)	Proposed: 12 Sampled: 5	• Section 1 — Reroofed in 1995. 2 samples were proposed, 2 samples were collected. All non-detect (ND) for PCBs. No further sampling in these sections is proposed. • Section 2 — Reroofed in 2010. No samples were proposed due to recent roof replacement. Core samples of roofing material were analyzed for PCBs. All samples were ND for PCBs. • Section 3 — Reroofed in 2008. 4 samples were proposed. No samples were obtained due to sample bottle collection malfunction. Carrier will attempt to obtain a runoff sample from this section as part of future follow-up sampling activities. • Section 4 — Reroofed in 2010. No samples were proposed due to recent roof replacement. Core samples of roofing material were analyzed for PCBs. All samples were ND. • Section 5 — Reroofed in 1977. Planned for replacement in 2011. 4 samples were proposed, 1 sampled was collected, centrally located to the 4 proposed locations (see Figure 1-1). The 4 originally proposed locations were not obtained because of sampling equipment set-up problems or malfunction. Carrier will attempt to obtain a runoff sample from those sections that were proposed, but not sampled, as part of future follow-up sampling activities. • Section 6 — Reroofed in 1977. Planned 2012. 2 samples were proposed, 2 samples were collected. Both samples were ND for PCBs.
2.	TR-5 (7 sections)	Proposed: 8 Sampled: 2	• Section 1 — Reroofed in 2010. No samples were proposed due to recent roof replacement. Core samples of roofing material were analyzed for PCBs. All samples were ND for PCBs. • Sections 2 — Reroofed in 1995. 2 samples were proposed, none were collected due to sample bottle collection malfunction. Carrier will attempt to obtain 2 runoff samples from the proposed locations in this section as part of future follow-up sampling activities. • Section 3 — Reroofed in 2007. 2 samples were proposed, none were collected due to sample bottle collection malfunction. Carrier will attempt to obtain 2 runoff samples from the proposed locations in this section as part of future follow-up sampling activities. • Section 4 — Reroofed in 1992. 4 samples were proposed, 2 were collected due to sample bottle collection malfunction. Carrier will attempt to obtain 2 runoff samples from this section as part of future follow-up sampling activities. • Sections 5, 6 and 7 were replaced in 2010. No samples were proposed due to recent roof replacement.

Table 1-3
Drainage Basin 001 Buildings Sampled

	Building ID	No. of Samples	Other Comments
3.	TR-6A	Proposed: 2 Sampled: 0	• Re-roofed in 1996. 2 samples were proposed. None none were collected because the sampling baler fell through the inlet. The runoff from this roof will be sampled as part of future follow-up sampling activities.
4.	TR-19 (4 sections)	Proposed: 8 Sampled: 8	• Section 1 — Reroofed in 1992. 2 samples proposed. 2 samples collected. Both ND for PCBs. • Section 2 — Reroofed in 1999. 2 samples proposed. 2 samples collected. Both ND for PCBs. • Section 3 — Reroofed in 1995. 2 samples proposed. 2 samples collected. Both ND for PCBs. • Section 4 — Reroofed in 1998. 2 samples proposed. 2 samples collected. Both ND for PCBs.
5.	TR-21	Proposed: 2 Sampled: 2	• Reroofed in 1977. 2 samples proposed. 2 samples collected. Both ND for PCBs.
6.	TR-21A	Proposed: 1 Sampled: 0	• Reroofed in 1977. 1 sample was proposed. None was obtained because it is a small building that is covered with a piece of equipment. No runoff flows from the roof. A runoff sample from this roof will not be collected as part of future follow-up sampling activities.
7.	Gate House #6	Proposed: 1 Sampled: 0	• Reroofed in 1994. 1 sample was proposed. None was obtained because the building roof is of rubber construction. A runoff sample from this roof will not be collected as part of future follow-up sampling activities.
8.	Treatment Building	Proposed: 1 Sampled: 1	• Reroofing date unknown. 1 sample was proposed. 1 sample was collected. It was ND for PCBs.

Runoff samples were collected during one rain event on December 2, 2010 and were submitted to TestAmerica Laboratories, Inc., (TestAmerica) Shelton, Connecticut (New York Certification 10602), for Total PCB analysis using U.S. Environmental Protection Agency Method 608.

Rainfall runoff samples were taken at the inlet to a roof leader that ultimately carries runoff to the site-wide storm lines. Figure 1-1 — Drainage Basin 001, Roof Runoff Sampling Locations, shows the building roof configurations and sampling points. Eighteen of approximately 35 samples proposed were obtained during the sampling event. Various field conditions were encountered which did not allow sampling to occur during that sampling event and are described in Table 1-3 above.

1.3 Data Summary

As mentioned earlier, all runoff samples were analyzed for Total PCBs using EPA 608. PCBs were not detected in any of the samples submitted to the laboratory for analysis. A copy of the analytical data is provided in Appendix A. The data indicate that roof runoff from the buildings sampled is not a continuing source of PCBs to storm water discharges at Outfall 001 and no further sampling for these sections is proposed.

GRAPHIC SCALE

0 150 225 300

(IN FEET)

1 inch = 150 ft.

N

TR-14 TR-8 TR-7 TR-7A TR-6 TR-6A TR-18S TR-18

GATE 8

PLASTIC ROOF

TR-21 TR-21A

TR-4

1977 ⑥ | 1977 ⑤ | 2010 ④ | 2008 ③ | 2010 ② | 1995 ①

TR-5

2010 ⑤ | 2010 ⑥ | 2010 ⑦ | 1992 ④ | 2007 ③ | 1995 ② | 2010 ①

PARKING LOT

FORMER TR-3

FORMER A & R

ROUTE 298

TREATMENT BUILDING

OUTFALL 001

OUTFALL 01A

RUBBER ROOF

GATE 6

TR-5A

PLASTIC ROOF

GATE 5

TR-19

1995 ③ | 1992 ① | 1998 ④ | 1999 ②

TR45 TR16 TR18 EAST

LEGEND

1977 YEAR INSTALLED - EXISTING ROOF SECTIONS

DRAINAGE BASIN #1

PROPOSED RUNOFF SAMPLE LOCATION, NOT SAMPLED

RUNOFF SAMPLE LOCATION
ALL SAMPLES ND FOR PCBs
(MDL=0.065 ug/l)

① ROOF SECTION NUMBER

FIGURE 1-1
DRAINAGE BASIN 001
ROOF RUNOFF SAMPLING LOCATIONS (DEC2010)
CARRIER FACILITY
SYRACUSE, NEW YORK

REQUESTED BY:	M.H.
DRAWN BY:	A.W.
DWG DATE:	03/30/2011
DWG:	9186 F1-1

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE

FILE NAME: I:\2010 Projects BST\! UTC Carrier – Syracuse, NY Master File\9186 UTC – Carrier – Syracuse, NY\Plans\9186 F1-1 Proposed Roof Runoff Sampling 03-30-11.dwg PLOTTED BY: WADE MAREK PLOT DATE: 3/30/2011 10:48:32 AM

1.4 Proposed Follow-up Sampling Activities

Because the initial sampling activities occurred in early winter, Carrier was unable to perform follow-up runoff sampling at the unsampled locations due unsafe working conditions (ice formation on roof) and because there was inadequate rainfall runoff generated during the winter months. Therefore, Carrier will attempt to resample the missed locations in spring 2011. A report addendum or revision will be submitted to NYSDEC within 30 days of data receipt.

1.5 Implementation Schedule

The schedule for the roof runoff sampling activities outlined in this work plan is as follows:

Proposed Schedule	
Basin 001 Roof Runoff Report Report to NYSDEC	→ March 31, 2011
Follow-up Roof Runoff Sampling Activities	→ April 2011
Report Addendum or Revision Submittal to NYSDEC	→ June 2011

Note: Dates are conditional based upon approval date of work plan, weather conditions, site conditions, and other factors.

Appendix A
Basin 001 Roof Runoff Analytical Data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-14222-1

SDG Number: Job #9186 Phase 2

Job Description: UTC Carrier-Syracuse, NY Roof Runoff

For:
EnSafe, Inc.
220 Athens Way
Suite 410
Nashville, TN 37228

Attention: Ms. May Heflin

Approved for release
Jill M Duhancik
Customer Service Manager
1/3/2011 1:52 PM

Jill M Duhancik
Customer Service Manager
jill.duhancik@testamericainc.com
01/03/2011
Revision: 1

cc: Ms. William Penn
Mr. Nelson Wong

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Table of Contents

Job Narrative
220-14222-1

Revision
This report has been revision to include the method detection limits on the result summary forms.

Comments
No additional comments.

Receipt
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): TR-19-1995-S (220-14222-9). The container label lists ID TR-19-1995-S. The COC lists ID TR-19-1992-S. The client was contacted and the laboratory was instructed to use the ID listed on the container label.

All other samples were received in good condition within temperature requirements.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Description	Lab Location	Method	Preparation Method
Matrix Water			
Organochlorine Pesticides & PCBs (GC)	TAL CT	40CFR136A 608	
Liquid-Liquid Extraction (Separtory Funnel)	TAL CT		40CFR136A 608

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Method	Analyst	Analyst ID
40CFR136A 608	Puccino, Tracy	TP

SAMPLE SUMMARY

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-14222-1	TR-3	Water	12/02/2010 0920	12/04/2010 1100
220-14222-2	TR-5-1992-SW	Water	12/02/2010 0940	12/04/2010 1100
220-14222-3	TR-5-1992-NW	Water	12/02/2010 0950	12/04/2010 1100
220-14222-4	TR-4-1977S-E	Water	12/02/2010 1015	12/04/2010 1100
220-14222-5	TR-4-1977S-W	Water	12/02/2010 1035	12/04/2010 1100
220-14222-6	TR-4-1977N-MID	Water	12/02/2010 1045	12/04/2010 1100
220-14222-7	TR-4-1995-W	Water	12/02/2010 1115	12/04/2010 1100
220-14222-8	TR-4-1995-E	Water	12/02/2010 1100	12/04/2010 1100
220-14222-9	TR-19-1995-S	Water	12/02/2010 1250	12/04/2010 1100
220-14222-10	TR-19-1998-S	Water	12/02/2010 1310	12/04/2010 1100
220-14222-11	TR-19-1995-N	Water	12/02/2010 1320	12/04/2010 1100
220-14222-12	TR-19-1998-N	Water	12/02/2010 1335	12/04/2010 1100
220-14222-13	TR-19-1992-S	Water	12/02/2010 1350	12/04/2010 1100
220-14222-14	TR-19-1999-N	Water	12/02/2010 1425	12/04/2010 1100
220-14222-15	TR-19-1999-S	Water	12/02/2010 1405	12/04/2010 1100
220-14222-16	TR-19-1992-N	Water	12/02/2010 1415	12/04/2010 1100
220-14222-17	TR-21-N	Water	12/02/2010 1505	12/04/2010 1100
220-14222-18	TR-21-S	Water	12/02/2010 1520	12/04/2010 1100

SAMPLE RESULTS

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-3

Lab Sample ID: 220-14222-1
Client Matrix: Water

Date Sampled: 12/02/2010 0920
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method: 608
Preparation: 608
Dilution: 1.0
Date Analyzed: 12/17/2010 1125
Date Prepared: 12/16/2010 1250

Analysis Batch: 220-46357
Prep Batch: 220-46280

Instrument ID: GC9
Initial Weight/Volume: 1880 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	132		28 - 139
Tetrachloro-m-xylene	69		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: **TR-5-1992-SW**

Lab Sample ID: 220-14222-2
Client Matrix: Water

Date Sampled: 12/02/2010 0940
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46357		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Date Analyzed:	12/17/2010 1144			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.015	0.065
PCB-1221	ND		0.015	0.065
PCB-1232	ND		0.015	0.065
PCB-1242	ND		0.015	0.065
PCB-1248	ND		0.015	0.065
PCB-1254	ND		0.015	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	155	X	28 - 139
Tetrachloro-m-xylene	57		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-5-1992-NW

Lab Sample ID: 220-14222-3
Client Matrix: Water

Date Sampled: 12/02/2010 0950
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46357		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Date Analyzed:	12/17/2010 1203			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.015	0.065
PCB-1221	ND		0.015	0.065
PCB-1232	ND		0.015	0.065
PCB-1242	ND		0.015	0.065
PCB-1248	ND		0.015	0.065
PCB-1254	ND		0.015	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	422	X	28 - 139
Tetrachloro-m-xylene	67		45 - 129

Client Sample ID: TR-4-1977S-E

Lab Sample ID: 220-14222-4
Client Matrix: Water

Date Sampled: 12/02/2010 1015
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method: 608
Preparation: 608
Dilution: 1.0
Date Analyzed: 12/17/2010 1222
Date Prepared: 12/16/2010 1250

Analysis Batch: 220-46357
Prep Batch: 220-46280

Instrument ID: GC9
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.015	0.065
PCB-1221	ND		0.015	0.065
PCB-1232	ND		0.015	0.065
PCB-1242	ND		0.015	0.065
PCB-1248	ND		0.015	0.065
PCB-1254	ND		0.015	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	392	X	28 - 139
Tetrachloro-m-xylene	61		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-4-1977S-W

Lab Sample ID: 220-14222-5
Client Matrix: Water

Date Sampled: 12/02/2010 1035
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1890 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/18/2010 0231			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	136		28 - 139
Tetrachloro-m-xylene	79		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-4-1977N-MID

Lab Sample ID: 220-14222-6
Client Matrix: Water

Date Sampled: 12/02/2010 1045
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Date Analyzed:	12/18/2010 0249			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.015	0.065
PCB-1221	ND		0.015	0.065
PCB-1232	ND		0.015	0.065
PCB-1242	ND		0.015	0.065
PCB-1248	ND		0.015	0.065
PCB-1254	ND		0.015	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	385	X	28 - 139
Tetrachloro-m-xylene	63		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-4-1995-W

Lab Sample ID: 220-14222-7
Client Matrix: Water

Date Sampled: 12/02/2010 1115
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method: 608
Preparation: 608
Dilution: 1.0
Date Analyzed: 12/18/2010 0309
Date Prepared: 12/16/2010 1250

Analysis Batch: 220-46365
Prep Batch: 220-46280

Instrument ID: GC9
Initial Weight/Volume: 1860 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 1 uL
Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		28 - 139
Tetrachloro-m-xylene	100		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-4-1995-E

Lab Sample ID: 220-14222-8
Client Matrix: Water

Date Sampled: 12/02/2010 1100
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Date Analyzed:	12/18/2010 0328			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.015	0.065
PCB-1221	ND		0.015	0.065
PCB-1232	ND		0.015	0.065
PCB-1242	ND		0.015	0.065
PCB-1248	ND		0.015	0.065
PCB-1254	ND		0.015	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		28 - 139
Tetrachloro-m-xylene	85		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1995-S

Lab Sample ID: 220-14222-9
Client Matrix: Water

Date Sampled: 12/02/2010 1250
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1890 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/18/2010 0346			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		28 - 139
Tetrachloro-m-xylene	102		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1998-S

Lab Sample ID: 220-14222-10
Client Matrix: Water

Date Sampled: 12/02/2010 1310
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365	Instrument ID: GC9
Preparation:	608	Prep Batch: 220-46280	Initial Weight/Volume: 1000 mL
Dilution:	1.0		Final Weight/Volume: 1.0 mL
Date Analyzed:	12/18/2010 0405		Injection Volume: 1 uL
Date Prepared:	12/16/2010 1250		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.015	0.065
PCB-1221	ND		0.015	0.065
PCB-1232	ND		0.015	0.065
PCB-1242	ND		0.015	0.065
PCB-1248	ND		0.015	0.065
PCB-1254	ND		0.015	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		28 - 139
Tetrachloro-m-xylene	77		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1995-N

Lab Sample ID: 220-14222-11
Client Matrix: Water

Date Sampled: 12/02/2010 1320
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1870 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/18/2010 0425			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	69		28 - 139
Tetrachloro-m-xylene	94		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1998-N

Lab Sample ID: 220-14222-12
Client Matrix: Water

Date Sampled: 12/02/2010 1335
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1820 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/18/2010 0444			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	69		28 - 139
Tetrachloro-m-xylene	86		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1992-S

Lab Sample ID: 220-14222-13
Client Matrix: Water

Date Sampled: 12/02/2010 1350
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365	Instrument ID: GC9
Preparation:	608	Prep Batch: 220-46280	Initial Weight/Volume: 1920 mL
Dilution:	1.0		Final Weight/Volume: 2.0 mL
Date Analyzed:	12/18/2010 0503		Injection Volume: 1 uL
Date Prepared:	12/16/2010 1250		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	92		28 - 139
Tetrachloro-m-xylene	94		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1999-N

Lab Sample ID: 220-14222-14
Client Matrix: Water

Date Sampled: 12/02/2010 1425
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365	Instrument ID: GC9
Preparation:	608	Prep Batch: 220-46280	Initial Weight/Volume: 1930 mL
Dilution:	1.0		Final Weight/Volume: 2.0 mL
Date Analyzed:	12/18/2010 0521		Injection Volume: 1 uL
Date Prepared:	12/16/2010 1250		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.011	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		28 - 139
Tetrachloro-m-xylene	89		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1999-S

Lab Sample ID: 220-14222-15
Client Matrix: Water

Date Sampled: 12/02/2010 1405
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365	Instrument ID: GC9
Preparation:	608	Prep Batch: 220-46280	Initial Weight/Volume: 1900 mL
Dilution:	1.0		Final Weight/Volume: 2.0 mL
Date Analyzed:	12/18/2010 0618		Injection Volume: 1 uL
Date Prepared:	12/16/2010 1250		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	70		28 - 139
Tetrachloro-m-xylene	93		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-19-1992-N

Lab Sample ID: 220-14222-16
Client Matrix: Water

Date Sampled: 12/02/2010 1415
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1880 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/18/2010 0637			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.016	0.065
PCB-1221	ND		0.016	0.065
PCB-1232	ND		0.016	0.065
PCB-1242	ND		0.016	0.065
PCB-1248	ND		0.016	0.065
PCB-1254	ND		0.016	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	180	X	28 - 139
Tetrachloro-m-xylene	94		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-21-N

Lab Sample ID: 220-14222-17
Client Matrix: Water

Date Sampled: 12/02/2010 1505
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1760 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/18/2010 0657			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1250			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.017	0.065
PCB-1221	ND		0.017	0.065
PCB-1232	ND		0.017	0.065
PCB-1242	ND		0.017	0.065
PCB-1248	ND		0.017	0.065
PCB-1254	ND		0.017	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		28 - 139
Tetrachloro-m-xylene	91		45 - 129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Client Sample ID: TR-21-S

Lab Sample ID: 220-14222-18
Client Matrix: Water

Date Sampled: 12/02/2010 1520
Date Received: 12/04/2010 1100

608 Organochlorine Pesticides & PCBs (GC)

Method:	608	Analysis Batch: 220-46365		Instrument ID:	GC9
Preparation:	608	Prep Batch: 220-46280		Initial Weight/Volume:	1760 mL
Dilution:	1.0			Final Weight/Volume:	2.0 mL
Date Analyzed:	12/18/2010 0716			Injection Volume:	1 uL
Date Prepared:	12/16/2010 1417			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.017	0.065
PCB-1221	ND		0.017	0.065
PCB-1232	ND		0.017	0.065
PCB-1242	ND		0.017	0.065
PCB-1248	ND		0.017	0.065
PCB-1254	ND		0.017	0.065
PCB-1260	ND		0.012	0.065

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	368	X	28 - 139
Tetrachloro-m-xylene	104		45 - 129

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Lab Section	Qualifier	Description
GC Semi VOA		
	X	Surrogate is outside control limits

QUALITY CONTROL RESULTS

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 220-46280					
LCS 220-46280/2-A	Lab Control Sample	T	Water	608	
LCSD 220-46280/3-A	Lab Control Sample Duplicate	T	Water	608	
MB 220-46280/1-A	Method Blank	T	Water	608	
220-14222-1	TR-3	T	Water	608	
220-14222-2	TR-5-1992-SW	T	Water	608	
220-14222-3	TR-5-1992-NW	T	Water	608	
220-14222-4	TR-4-1977S-E	T	Water	608	
220-14222-5	TR-4-1977S-W	T	Water	608	
220-14222-6	TR-4-1977N-MID	T	Water	608	
220-14222-7	TR-4-1995-W	T	Water	608	
220-14222-8	TR-4-1995-E	T	Water	608	
220-14222-9	TR-19-1995-S	T	Water	608	
220-14222-10	TR-19-1998-S	T	Water	608	
220-14222-11	TR-19-1995-N	T	Water	608	
220-14222-12	TR-19-1998-N	T	Water	608	
220-14222-13	TR-19-1992-S	T	Water	608	
220-14222-14	TR-19-1999-N	T	Water	608	
220-14222-15	TR-19-1999-S	T	Water	608	
220-14222-16	TR-19-1992-N	T	Water	608	
220-14222-17	TR-21-N	T	Water	608	
220-14222-18	TR-21-S	T	Water	608	
Analysis Batch:220-46357					
LCS 220-46280/2-A	Lab Control Sample	T	Water	608	220-46280
LCSD 220-46280/3-A	Lab Control Sample Duplicate	T	Water	608	220-46280
MB 220-46280/1-A	Method Blank	T	Water	608	220-46280
220-14222-1	TR-3	T	Water	608	220-46280
220-14222-2	TR-5-1992-SW	T	Water	608	220-46280
220-14222-3	TR-5-1992-NW	T	Water	608	220-46280
220-14222-4	TR-4-1977S-E	T	Water	608	220-46280

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:220-46365					
220-14222-5	TR-4-1977S-W	T	Water	608	220-46280
220-14222-6	TR-4-1977N-MID	T	Water	608	220-46280
220-14222-7	TR-4-1995-W	T	Water	608	220-46280
220-14222-8	TR-4-1995-E	T	Water	608	220-46280
220-14222-9	TR-19-1995-S	T	Water	608	220-46280
220-14222-10	TR-19-1998-S	T	Water	608	220-46280
220-14222-11	TR-19-1995-N	T	Water	608	220-46280
220-14222-12	TR-19-1998-N	T	Water	608	220-46280
220-14222-13	TR-19-1992-S	T	Water	608	220-46280
220-14222-14	TR-19-1999-N	T	Water	608	220-46280
220-14222-15	TR-19-1999-S	T	Water	608	220-46280
220-14222-16	TR-19-1992-N	T	Water	608	220-46280
220-14222-17	TR-21-N	T	Water	608	220-46280
220-14222-18	TR-21-S	T	Water	608	220-46280

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Surrogate Recovery Report

608 Organochlorine Pesticides & PCBs (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCB2 %Rec	TCX2 %Rec
220-14222-1	TR-3	132	69
220-14222-2	TR-5-1992-SW	155X	57
220-14222-3	TR-5-1992-NW	422X	67
220-14222-4	TR-4-1977S-E	392X	61
220-14222-5	TR-4-1977S-W	136	79
220-14222-6	TR-4-1977N-MID	385X	63
220-14222-7	TR-4-1995-W	92	100
220-14222-8	TR-4-1995-E	98	85
220-14222-9	TR-19-1995-S	88	102
220-14222-10	TR-19-1998-S	109	77
220-14222-11	TR-19-1995-N	69	94
220-14222-12	TR-19-1998-N	69	86
220-14222-13	TR-19-1992-S	92	94
220-14222-14	TR-19-1999-N	103	89
220-14222-15	TR-19-1999-S	70	93
220-14222-16	TR-19-1992-N	180X	94
220-14222-17	TR-21-N	101	91
220-14222-18	TR-21-S	368X	104
MB 220-46280/1-A		87	74
LCS 220-46280/2-A		85	73
LCSD 220-46280/3-A		76	67

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	28-139
TCX = Tetrachloro-m-xylene	45-129

Client: EnSafe, Inc.

Job Number: 220-14222-1
Sdg Number: Job #9186 Phase 2

Method Blank - Batch: 220-46280

Method: 608
Preparation: 608

Lab Sample ID: MB 220-46280/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/17/2010 1028
Date Prepared: 12/16/2010 1250

Analysis Batch: 220-46357
Prep Batch: 220-46280
Units: ug/L

Instrument ID: GC9
Lab File ID: D9103044.D
Initial Weight/Volume: 2000 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.015	0.065
PCB-1221	ND		0.015	0.065
PCB-1232	ND		0.015	0.065
PCB-1242	ND		0.015	0.065
PCB-1248	ND		0.015	0.065
PCB-1254	ND		0.015	0.065
PCB-1260	ND		0.011	0.065

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	87	28 - 139
Tetrachloro-m-xylene	74	45 - 129

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 220-46280

Method: 608
Preparation: 608

LCS Lab Sample ID: LCS 220-46280/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/17/2010 1047
Date Prepared: 12/16/2010 1250

Analysis Batch: 220-46357
Prep Batch: 220-46280
Units: ug/L

Instrument ID: GC9
Lab File ID: D9103045.D
Initial Weight/Volume: 2000 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 220-46280/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/17/2010 1106
Date Prepared: 12/16/2010 1250

Analysis Batch: 220-46357
Prep Batch: 220-46280
Units: ug/L

Instrument ID: GC9
Lab File ID: D9103046.D
Initial Weight/Volume: 2000 mL
Final Weight/Volume: 2.0 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	83	78	50 - 114	6	30		
PCB-1260	81	71	32 - 119	13	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	85	76	28 - 139
Tetrachloro-m-xylene	73	67	45 - 129

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

14222

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
EnSafe Inc	Mary Heflin	12.03.10	166962
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
220 Athens Way	615. 225. 9300	CT	
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Nashville / TN / 37228	N. Wong	J. Duhancik	
Project Name and Location (State)	**Carrier/Waybill Number**		
UTC Carrier Syracuse roof runoff			
Contract/Purchase Order/Quote No.			
Blanket 9680			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TOT PCB 608	Special Instructions/ Conditions of Receipt
13 TR-18-1992-S	12-02-10	13:50		X			X						X	
14 TR-18-1999-N		14:25		X			X						X	
15 TR-19-1999-S		14:05		X			X						X	
16 TR-19-1992-N		14:15		X			X						X	
17 TR-21-N		15:05		X			X						X	
18 TR-21-S		15:20		X			X						X	

Page #3 of 35

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	R. English, SyR	12.03.10	19:00		12-4-10	1108
2.						
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

01/03/2011

Chain of Custody Record

TestAmerica 14222

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client: EnSafe Inc

Address: 220 Athens Way

City: Nashville State: TN Zip Code: 37228

Project Manager: May Heflin

Telephone Number (Area Code)/Fax Number: 615.255.9300

Site Contact: N. Wong

Lab Contact: J. Duhancik

Carrier/Waybill Number:

Date: 12.03.10

Lab Number: CT

Chain of Custody Number: 166961

Page 1 of 2

Project Name and Location (State): UTC Carrier Syr NY Roof Runoff

Contract/Purchase Order/Quote No.: Blanket 9680

Analysis (Attach list if more space is needed): Tot PCB 608

#	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Tot PCB 608	Special Instructions/Conditions of Receipt
1	TR-3	12.02.10	09:20		X			X						X	
2	TR-5-1992-SW	↓	09:40		X			X						X	
3	TR-5-1992-NW	↓	09:50		X			X						X	
4	TR-4-1977S-E	↓	10:15		X			X						X	
5	TR-4-1977S-W	↓	10:35		X			X						X	
6	TR-4-1977N-Mid	↓	10:45		X			X						X	
7	TR-4-1995-W	↓	11:15		X			X						X	
8	TR-4-1995-E	↓	11:00		X			X						X	
9	TR-19-1992-S	↓	12:50		X			X						X	
10	TR-19-1998-S	↓	13:10		X			X						X	
11	TR-19-1995-N	↓	13:20		X			X						X	
12	TR-19-1998-N	↓	13:35		X			X						X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ______

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: R English, Syr	12-03-10	19:00	1. Received By: [signature]	12-4-10	11:00
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

01/03/2011

Login Sample Receipt Check List

Client: EnSafe, Inc.

Job Number: 220-14222-1
SDG Number: Job #9186 Phase 2

Login Number: 14222
Creator: Lee, Anthony
List Number: 1

List Source: TestAmerica Connecticut

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9 2.0 2.1 2.7 2.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	#9 ID Discrepancy
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.	False	Some bottles not full
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	