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October 3, 2013

Transmitted via e-mail October 3, 2013

Tara M. Blum, P.E.
Environmental Engineer
NYSDEC Region 7
Division of Environmental Remediation
615 Erie Blvd. West
Syracuse, New York 13204-2400

Re: Carrier Corporation, Thompson Road Facility, Syracuse, New York
Corrective Action Order — Index No. CO 7-20051118-4
Sanders Creek Sediment Sampling Report, October 2013

Ms. Blum:

On behalf of Carrier Corporation, please find enclosed one hard copy and one electronic copy of the *Sanders Creek Sediment Sampling Report* which details sediment sampling activities and findings of the June 2013 sampling event.

Per email correspondence from your department on September 12, 2011, and follow-up email on October 25, 2011, a hard copy and an electronic copy of this letter will be submitted (via US Mail) to the New York State Department of Health contacts, Ms. Krista Anders (replacement for Mr. Steven Bates), with the Bureau of Environmental Exposure Investigation, and Mr. Mark Sergott (NYSDOH).

If you have any questions about this plan, please feel free to contact me or Shane Goodnight at (615) 255 9300.

Sincerely,

EnSafe Inc.

May M. Heflin

By: May Heflin, PE

cc: (hard copy and electronic copy):
Ms. Krista Anders — New York State Department of Health
Mr. Mark Sergott — New York State Department of Health

cc: (electronic copy only):
Mr. John Wolski — United Technologies Corporation
Mr. Nelson Wong — Carrier Corporation
Ms. Kathleen McFadden — United Technologies Corproation

SANDERS CREEK SEDIMENT SAMPLING REPORT-JUNE 2013

(Down-gradient from Thompson Road to Confluence with Ley Creek; On-Site; and Up-Gradient from Kinne Street to Sanders Creek Parkway)

CARRIER THOMPSON ROAD FACILITY
CARRIER PARKWAY
SYRACUSE, NEW YORK

EnSafe Project Number
0888813986

Revision: 0

Corrective Action Order – Index CO 7-20051118-4

Prepared for:

UTC Shared Remediation Services
United Technologies Building
Hartford, Connecticut 06101

Prepared by:

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October 2013

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1.0 INTRODUCTION

Carrier Corporation (Carrier), a wholly-owned subsidiary of United Technologies Corporation (UTC) has prepared this report in response to comments dated February 24, 2009, made by the New York State Department of Environment and Conservation (NYSDEC) on the Focused Corrective Measures Study (FCMS) dated September 2008. The FCMS was prepared in response to the requests outlined in the NYSDEC letter dated May 23, 2008. Specifically, the FCMS identified, screened, developed, evaluated, and compared remedial action alternatives to reduce exposure to polychlorinated biphenyls (PCBs) by various ecosystems in Sanders Creek and therefore reduce the concentration of PCBs in the tissue of wildlife, over time. Sediment removal (dredging) has been selected as the preferred corrective measure.

NYSDEC comments in a letter dated February 24, 2009, brought forth their concern as to the total extent of the PCB impact downstream, and in response, Carrier submitted a *Sediment Sampling Work Plan* (April 2009) to address the extent of PCBs in Sanders Creek up to its confluence with Ley Creek. The plan was approved by NYSDEC, and sediment samples were obtained in October 2009 from Sanders Creek between Court Street and its confluence with Ley Creek. Sediment samples beyond the Ley Creek were not obtained due to unknown source(s) of contamination that may be contributed via Ley Creek. Additionally, sediment samples were obtained up-gradient of the Carrier facility from just west of the Kinne Street culvert to a point just before the creek passes under the Sanders Creek Parkway culvert in order to develop a Clean-up Objective, or a Background threshold value (BTV). Based upon findings of the October 2009 down-gradient sampling, a Draft Remedial Action Plan (RAP) for Sanders Creek was submitted to NYSDEC in April 2011, describing the extent of corrective actions proposed for Sanders Creek.

NYSDEC's June 15, 2011, letter in response to the Draft RAP brought forth concerns related to whether or not the data obtained during the October 2009 up-gradient and down-gradient sediment sampling within Sanders Creek was still representative of current conditions and/or PCB concentrations of sediments within Sanders Creek. The June 15, 2011, NYSDEC letter requested updated sediment sampling data along the entire length of Sanders Creek from the Site to the Ley Creek culvert under Route 298 as well as utilizing "the previously calculated background concentration" as a Clean-up objective for Sanders Creek remediation efforts. Due to the fact NYSDEC deemed Sanders Creek sediment PCB concentration data from the October 2009 assessment was to be no longer representative of current conditions/concentrations, the previously calculated BTV should also be considered not representative of current conditions/concentrations.

Carrier prepared and submitted a *Sanders Creek Sediment Sampling Work Plan* to NYSDEC on May 15, 2013 in which three areas were proposed for sampling: up-gradient (to re-establish the BTV),

across the length of the Site, and down-gradient from the Thompson Road culvert to the confluence with Ley Creek (Figure 1). The plan was approved by NYSDEC, and NYSDEC representatives Tara Blum and Mary Jo Crance were on Site June 11, 2013, to view Sanders Creek and coordinate sediment sampling locations.

Legend

- Area A01
- Area A02
- Area A03
- Sample Location
- Additonal Sample Location

Aerial Photographic Source: NYS Office of Cyber Security & Critical Infrastructure Coordination April 2009

Note:
Samples obtained from Area A01 were utilized to calculate the background threshold value (BTV).

FIGURE 1
SANDERS CREEK SEDIMENT SAMPLING LOCATIONS 2013
AREAS A01 - A03
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY:	MAY HEFLIN
DRAWN BY:	SHANE GOODNIGHT
DATE:	07/09/2013
PROJECT NO:	0888813924

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2.0 SANDERS CREEK SEDIMENT SAMPLING

2.1 Sediment Sample Collection

Carrier collected sediment samples within three areas (A01 – A03) of Sanders Creek from a point just before the creek passes under the Sanders Creek Parkway culvert downstream to the creek's confluence with Ley Creek (Figure 1). Sample locations and rationale were outlined in the May 2013 *Sanders Creek Sediment Sampling Work Plan*, and NYSDEC representatives Tara Blum and Mary Jo Crance were on Site June 11, 2013, to view Sanders Creek and coordinate sediment sampling locations. Composite samples were collected primarily in stream locations of ponded or slow moving water. However, in order to gain a representative sample set over the entire interval of stream, composite samples were also collected at stream bars as well as in areas of sediment deposition where the stream channel was more lenticular with faster moving water.

Sediment samples were obtained by collecting sediment from several places within an approximate 5- to 10-foot radius at each sample location. Stainless steel spoons attached to poly-vinyl chloride conduit were utilized to obtain each sample. The full depth of sediment (0- to 0.5-foot interval) was sampled at each location. Deeper sediments (maximum observed sediment depth of 1-foot) were only present at two sample locations — A01-006 and A02-004. The sediment was then mixed/composited in a stainless steel bowl, placed into glass jars with Teflon-lined lids and submitted to TestAmerica Laboratories (North Canton, Ohio — NY certification #11791) for PCBs and Total PCBs using U.S. Environmental Protection Agency (USEPA) Method 8082 and total organic carbon (TOC) analysis using USEPA Method 5310B. All sampling equipment was decontaminated with tap water and laboratory (phosphate-free) detergent using a brush to remove particulate and surface film; rinsed with tap water; rinsed with distilled water; allowed to air dry; and wrapped in aluminum foil between each sample location. Decontamination rinsates were disposed by pouring directly into Carrier's on-site water treatment system.

2.2 Sediment Sampling Locations

The distance from the Sanders Creek Parkway culvert to Sanders Creek's confluence with Ley Creek is approximately 8,900 feet (Figure 1). As proposed in the NYSDEC approved *Sanders Creek Sediment Sampling Work Plan* (May 2013), the number of data collection locations is sufficient to determine the presence or absence of PCBs as well as TOC concentrations in the creek sediment beyond those areas previously sampled by the NYSDEC and Carrier. Sediment sample distribution is depicted on Figures 2 through 4 and described as follows:

- Area A01: To re-establish the BTV, Carrier obtained sediment samples in Sanders Creek (up-gradient of the Carrier facility) just east of the Kinne Street culvert inlet to a point just before the creek passes beneath the Sanders Creek Parkway culvert outlet (15 samples). BTV calculations for Sanders Creek sediments are included in Appendix A of this report.

    - To re-establish the BTV, Carrier obtained 15 up-gradient sediment samples in Sanders Creek just east of the Kinne Street culvert to a point just before the creek passes under the Sanders Creek Parkway culvert (Area A01). BTV calculations for Sanders Creek sediments are included in Appendix A of this report.

- Area A02: This area is the section of Sanders Creek that is along Carrier's northern boundary (parallel to Highway 298), from the Kinne Street culvert outlet to a culvert which passes beneath Thompson Road (15 samples).

- Area A03: This section of Sanders Creek is down-gradient of the property boundary, from the Thompson Road culvert to Sanders Creek confluence with the South Branch of Ley Creek. (18 samples).

    - Sanders Creek enters a culvert as it crosses under Mautz Road and continues in the culvert for approximately 1,200 feet before it exits the culvert at Deere Road. Sediments in this 1,200-foot span were not sampled due to health and safety concerns.

    - Upon mapping sample collection points utilizing global positioning system (GPS) data obtained during the June 2013 sampling event, two sediment sampling data gaps in Area A03 were observed: the area between samples A03-007 and A03-008 and the section nearest Thompson Road (east of A03-001) were evident (Figure 4). Therefore, additional samples were collected in these areas on July 17, 2013 —

A03-14, A03-015, and A03-016 for the data gap east of A03-001 and A03-017 and A03-018 for the data gap between A03-007 and A03-008.

Table 1 summarizes Sanders Creek physical data (i.e., depth of water, depth of sediment, creek width) collected during the June 2013 sampling event. Tables 2 through 4 summarize laboratory analytical detections compared with NYSDEC Soil Cleanup Objectives and the calculated BTV (June 2013). Complete laboratory analytical reports are included in Appendix B. Photographs of select sample locations and/or portions of Sanders Creek are depicted on Figure 5.

Legend

- Sample Location
- Outfall
- Pipe
- Seep
- Area A01

A01-001
µg/g OC: 32.7

A01-002
µg/g OC: NA

A01-003
µg/g OC: 2.3

A01-004
µg/g OC: NA

A01-005
µg/g OC: 8.7

A01-006
µg/g OC: 4.1

A01-007
µg/g OC: 1.9

A01-008
µg/g OC: 7.7

A01-009
µg/g OC: 8.1

A01-010
µg/g OC: 4.1

A01-011
µg/g OC: 5.0

A01-012
µg/g OC: NA

A01-013
µg/g OC: 3.9

A01-014
µg/g OC: 6.6

A01-015
µg/g OC: 1.1

Sanders Creek Pkwy

Carrier Pkwy

Kinne St

298

86

N

Notes:
TOC = total organic carbon
µg = micrograms
g OC = grams organic carbon
NA = not applicable

0 50 100 150 200 Feet

FIGURE 2
SANDERS CREEK SEDIMENT SAMPLING 2013
AREA A01
TOTAL AROCLORS NORMALIZED FOR TOC
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

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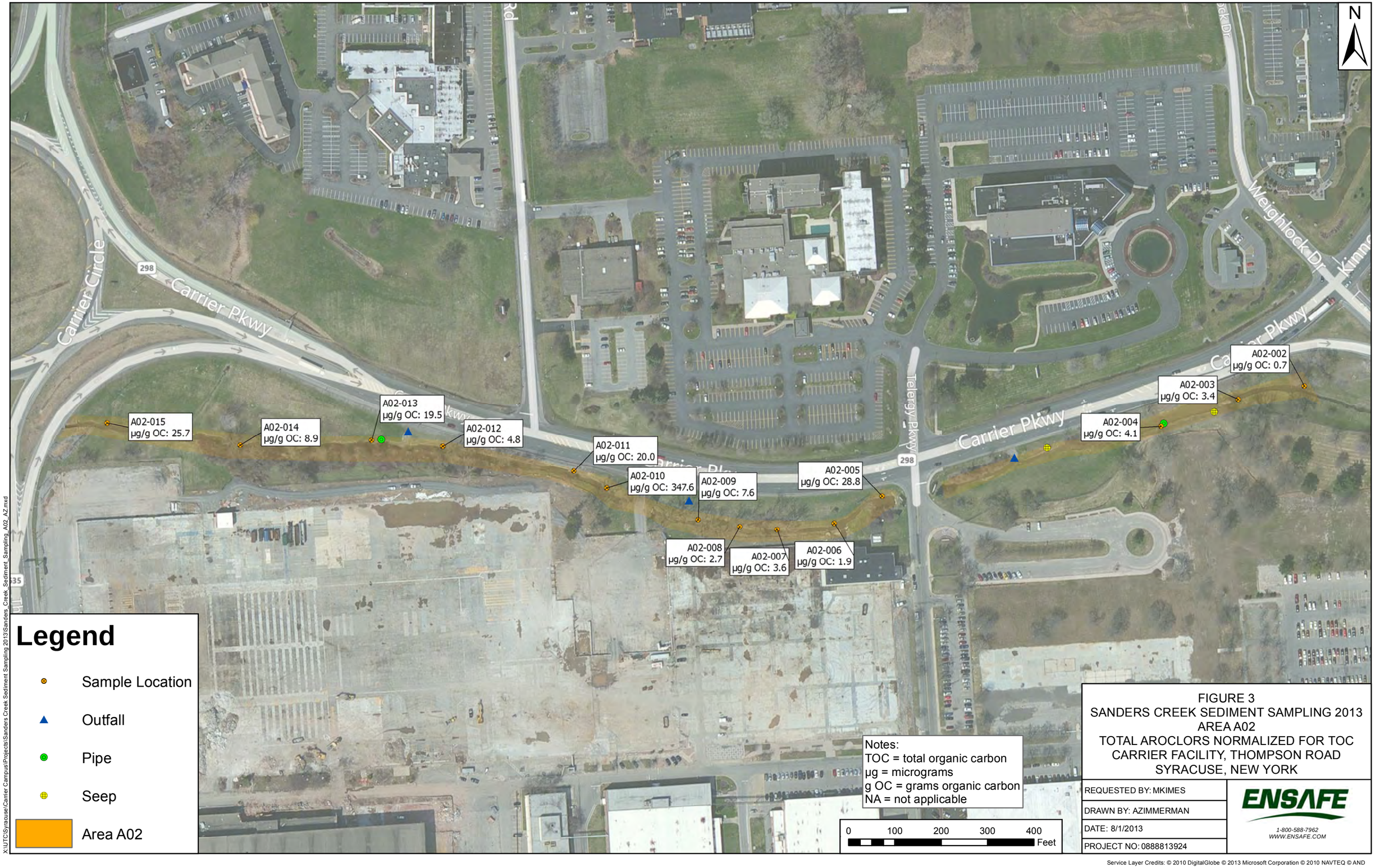

FIGURE 3
SANDERS CREEK SEDIMENT SAMPLING 2013
AREA A02
TOTAL AROCLORS NORMALIZED FOR TOC
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK

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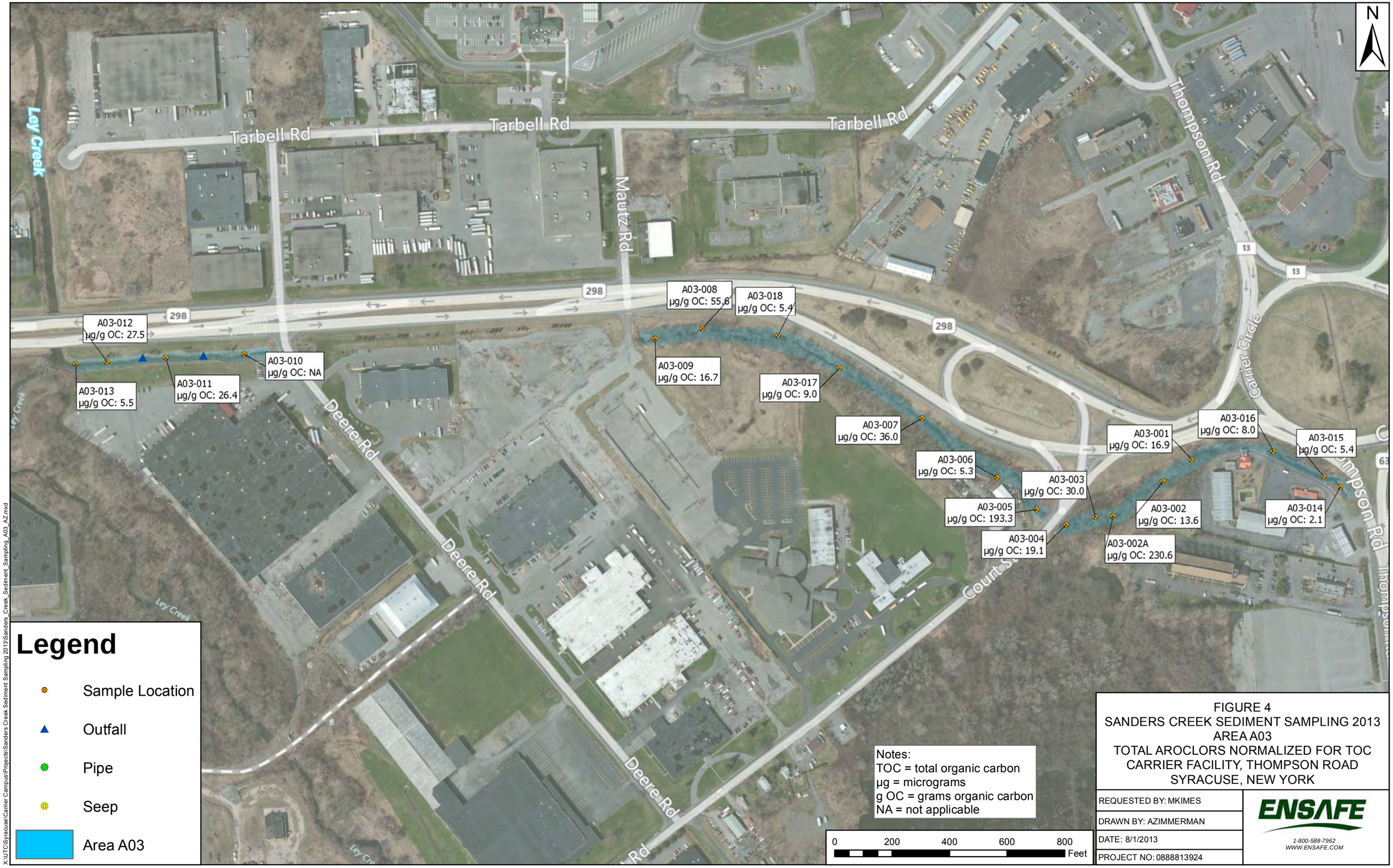
N
Ley Creek
Tarbell Rd
Tarbell Rd
Tarbell Rd
Mautz Rd
Thompson Rd
Carrier Circle
298
298
298
13
13
A03-012
µg/g OC: 27.5
A03-013
µg/g OC: 5.5
A03-011
µg/g OC: 26.4
A03-010
µg/g OC: NA
A03-008
µg/g OC: 55.6
A03-018
µg/g OC: 5.4
A03-009
µg/g OC: 16.7
A03-017
µg/g OC: 9.0
A03-007
µg/g OC: 36.0
A03-006
µg/g OC: 5.3
A03-003
µg/g OC: 30.0
A03-005
µg/g OC: 193.3
A03-004
µg/g OC: 19.1
A03-001
µg/g OC: 16.9
A03-016
µg/g OC: 8.0
A03-015
µg/g OC: 5.4
A03-002
µg/g OC: 13.6
A03-014
µg/g OC: 2.1
A03-002A
µg/g OC: 230.6
Deere Rd
Deere Rd
Deere Rd
Court St
Thompson Rd
Ley Creek
Ley Creek
Legend
Sample Location
Outfall
Pipe
Seep
Area A03
Notes:
TOC = total organic carbon
µg = micrograms
g OC = grams organic carbon
NA = not applicable
0
200
400
600
800
Feet
FIGURE 4
SANDERS CREEK SEDIMENT SAMPLING 2013
AREA A03
TOTAL AROCLORS NORMALIZED FOR TOC
CARRIER FACILITY, THOMPSON ROAD
SYRACUSE, NEW YORK
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Table 1
Physical Measurements
Collected Along Sanders Creek - June 2013
Areas A01 - A03
Carrier Thompson Road Facility
Syracuse, New York

Sample Area	Sample ID	Approximate Distance from Area Beginning (ft)	Bank to Bank Width (ft)	Approximate Depth of Water (ft)	Approximate Depth of Sediment (ft)	Notes
A01 (Up-gradient BTV calculation)	---	0	---	---	---	Sanders Creek Parkway Culvert (west side outlet)
	001	18	14	0.8	0.3	
	002	50	13	1.8	0.5	
	003	94	15	1.1	0.5	
	004	153	13	1.45	0.6	
	005	197	14.5	1.1	1	
	006	247	11.5	1.5	0.7	
	007	278	15.7	1	0.9	
	008	319	14	1.75	1.25*	
	009	375	12.5	1.85	2.1	
	010	414	14.5	1.15	1.65*	
	011	471	13.8	1.5	0.6	
	012	526	18	1.95	0.05	
	013	585	25	1.4	1	
	014	635	24	1.1	0.45	
	015	760	24	2.6	0.5	
	---	773	---	---	---	Kinne Street Culvert (east side inlet; Kinne street at intersection with Highway 298)
A02 (Down-gradient)	---	0	---	---	---	Kinne Street Culvert (west side outlet; Kinne street at intersection with Highway 298)
	001	15	23.9	3.4	0.55	No sample collected
	002	46	14.5	2.2	0.8	
	003	188	22	1.6	3.6*	
	004	363	28.5	3.7	0.7	
	---	848	---	---	---	Culvert at Main Carrier entrance off Hwy 298 (east side inlet)
	---	966	---	---	---	Culvert at Main Carrier entrance off Hwy 298 (west side outlet)
	005	993	15	1.3	0.9	
	---	1100	---	---	---	Outfall 001
	006	1113	19	1	1	
	007	1240	19	3.15	0.25	
	008	1321	14	1.8	3.2*	Outfall entering 25' to east on North (298) side
	009	1413	12	2	0.65	
	---	1518	---	---	---	Culvert at old TR-3 entrance - North of Pond 3 (east side inlet)
	---	1569	---	---	---	Culvert at old TR-3 entrance - North of Pond 3 (west side outlet)
	010	1627	14.4	2.3	1.5*	
	011	1705	16.3	1.2	0.5	
	---	1716	---	---	---	Gabion structure (east side)
	---	1766	---	---	---	Gabion structure (west side)
	012	1993	14.5	1.4	1	
	013	2151	21.6	1.35	0.8	Outfall (3" Clay Pipe) 25' to east on north side
	014	2439	15.5	1.6	0.9	Outfall (003) 50 feet east on south side; drainage confluence 12' east on south side
	015	2733	13	1.1	1.1	Outfall (004) 10 feet east on south side; drainage confluence 12 feet east on north side
	---	2825	---	---	---	Culvert at Thompson Road (east side inlet)
A03 (Down-gradient)	---	0	---	---	---	Southernmost Culvert at Thompson Road (west side outlet)
	014	40	---	---	---	
	015	110	---	---	---	60 feet west of Northernmost Culvert at Thompson Road (west side outlet from site)
	016	305	---	---	---	25 feet east of Culvert at former Hotel (east side inlet)
	001	617	39.1	1.25	<0.5	
	002	742	20.8	1	<0.5	
	002A	956	~18	---	---	Sample collected; no measurements collected
	003	1024	18.1	1.75	<0.5	
	004	1131	12.5	2.25	<0.5	
	---	1142	---	---	---	Court Street Culvert (east side inlet)
	---	1214	---	---	---	Court Street Culvert (west side outlet)
	005	1246	18.2	0.75	<0.5	
	006	1466	13.6	1.25	<0.5	
	007	1805	22.2	0.6	<0.5	
	017	2143				
	018	2387				
	008	2664	36	0.9	0.5	
	009	2842	18.4	1.5	0.5	
	---	2900	---	---	---	Mautz Street Culvert (east side inlet) - underground for 1,285 feet
	---	4185	---	---	---	Deere Road Culvert (west side outlet)
	010	4274	14.3	0.5	0.5	
	011	4546	14	2.4	0.5	
	012	4735	13.6	1.75	0.75	
	013	4861	14.6	2.2	0.25	
	---	4920	---	---	---	Confluence with Ley Creek

* Sediment was observed to 1 foot depth, materials at greater depths were observed to be clays and silty clays.

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Table 2
Laboratory Analytical Results Summary (Detections Only)
Sanders Creek Sediment Sampling June 2013 - Up-gradient
Area A01 - BTV Calculation
Carrier - Thompson Road Facility
Syracuse, New York

	Sample ID	A01001SS0613		A01002SS0613		A01003SS0613		A01004SS0613		A01005SS0613		A01006SS060613	
	Location ID	A01-001		A01-002		A01-003		A01-004		A01-005		A01-006	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1242 (µg/Kg)		18	U	17	U	20	U	16	U	28	J	20	U
Aroclor 1254 (µg/Kg)		360		22	U	41	J	21	U	230		110	
Aroclor 1260 (µg/Kg)		24	U	22	U	26	U	21	U	28	U	26	U
Total PCBs (µg/Kg)		360		36	U	41	J	34	U	260		110	
Total Organic Carbon (g/Kg)		11		15		18		6.3		30		27	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	**32.73**		2.40		2.28		5.40		8.67		4.07	

	Sample ID	A01006SS6120613		A01007SS0613		A01008SS060613		A01009SS0613		A01010SS060613		A01010SS6120613	
	Location ID	A01-006		A01-007		A01-008		A01-009		A01-010		A01-010	
	Depth (ft)	0.5 - 1.0		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.5 - 1.0	
Analyte	Sample Date	6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1242 (µg/Kg)		17	U	21	U	19	U	19	U	29	U	19	U
Aroclor 1254 (µg/Kg)		22	U	27	U	170		170		140		49	
Aroclor 1260 (µg/Kg)		22	U	56		25	U	25	U	38	U	25	U
Total PCBs (µg/Kg)		34	U	56		170		170		140		49	
Total Organic Carbon (g/Kg)		11		30		22		21		34		14	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	3.09		1.87		7.73		8.10		4.12		3.50	

	Sample ID	A01011SS0613		A01012SS0613		A01013SS0613		A01014SS0613		A01015SS0613	
	Location ID	A01-011		A01-012		A01-013		A01-014		A01-015	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1242 (µg/Kg)		19	U	18	U	23	U	18	U	21	U
Aroclor 1254 (µg/Kg)		25	U	23	U	130		54		33	J
Aroclor 1260 (µg/Kg)		100		23	U	29	U	24	U	28	U
Total PCBs (µg/Kg)		100		37	U	130		54		33	J
Total Organic Carbon (g/Kg)		20		8.7		33		8.2		30	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	5.00		4.25		3.94		6.59		1.10	

Notes:
SCO = Soil Cleanup Objective (New York State Department of Environmental Conservation Subpart 375-6: Remedial Program Soil Cleanup Objectives
BTV = Background Threshold Value
µg/Kg = micrograms per kilogram
g/Kg = grams per kilogram
µg PCB / g OC = micrograms of PCBs per gram of Organic Carbon
J = Estimated concentration
U = Analyte not detected at or above method detection limits
Bold = Result exceeds BTV

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Table 3
Laboratory Analytical Results Summary (Detections Only)
Sanders Creek Sediment Sampling June 2013 - Down-gradient
Area A02
Carrier - Thompson Road Facility
Syracuse, New York

	Sample ID	A02002SS0613		A02003SS0613		A02004SS060613		A02004SS6120613		A02005SS0613		A02005SS0613H	
	Location ID	A02-002		A02-003		A02-004		A02-004		A02-005		A02-005	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1254 (µg/Kg)		33	J	51	J	86		88		43	U	23	U
Aroclor 1260 (µg/Kg)		20	U	28	U	25	U	31	U	390		230	
Total PCBs (µg/Kg)		33	J	51	J	86		88		390		230	
Total Organic Carbon (g/Kg)		47		15		21		27		22		8	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	0.70		3.40		4.10		3.26		**17.73**		**28.75**	

	Sample ID	A02006SS0613		A02007SS0613		A02008SS0613		A02009SS0613		A02010SS0613		A02011SS0613	
	Location ID	A02-006		A02-007		A02-008		A02-009		A02-010		A02-011	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1254 (µg/Kg)		21	U	20	U	20	U	24	U	1300	U	120	U
Aroclor 1260 (µg/Kg)		130		160		160		160		7300		560	
Total PCBs (µg/Kg)		130		160		160		160		7300		560	
Total Organic Carbon (g/Kg)		69		44		60		21		21		28	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	1.88		3.64		2.67		7.62		**347.62**		**20.00**	

	Sample ID	A02012SS0613		A02013SS0613		A02014SS0613		A02015SS0613	
	Location ID	A02-012		A02-013		A02-014		A02-015	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/12/2013		6/12/2013		6/12/2013		6/12/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1254 (µg/Kg)		310		800		30	U	110	U
Aroclor 1260 (µg/Kg)		110	U	120	U	250		540	
Total PCBs (µg/Kg)		310		800		250		540	
Total Organic Carbon (g/Kg)		65		41		28		21	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	4.77		**19.51**		8.93		**25.71**	

Notes:
SCO = Soil Cleanup Objective (New York State Department of Environmental Conservation Subpart 375-6: Remedial Program Soil Cleanup Objectives
BTV = Background Threshold Value
µg/Kg = micrograms per kilogram
g/Kg = grams per kilogram
µg PCB / g OC = micrograms of PCBs per gram of Organic Carbon
J = Estimated concentration
U = Analyte not detected at or above method detection limits
Bold = Result exceeds BTV

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Table 4
Laboratory Analytical Results Summary (Detections Only)
Sanders Creek Sediment Sampling June 2013 - Down-Gradient
Area A03
Carrier - Thompson Road Facility
Syracuse, New York

	Sample ID	A03001SS0613		A03002SS0613		A03002SS0613H		A03002ASS0613		A03003SS0613		A03004SS0613	
	Location ID	A03-001		A03-002		A03-002		A03-002A		A03-003		A03-004	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013		6/12/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1254 (µg/Kg)		19	U	100	U	99	U	1200	U	110	U	45	U
Aroclor 1260 (µg/Kg)		590	H	720		600		8300		510		420	
Total PCBs (µg/Kg)		590	H	720		600		8300		510		420	
Total Organic Carbon (g/Kg)		35		53		48		36		17		22	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	16.86		13.58		12.50		**230.56**		**30.00**		**19.09**	

	Sample ID	A03005SS0613		A03006SS0613		A03006SS0613H		A03007SS0613		A03008SS0613		A03009SS0613	
	Location ID	A03-005		A03-006		A03-006		A03-007		A03-008		A03-009	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/13/2013		6/13/2013		6/13/2013		6/13/2013		6/13/2013		6/13/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1254 (µg/Kg)		1200	U	25	U	24	U	50	U	24	U	29	U
Aroclor 1260 (µg/Kg)		5800		57		79		720		350		600	
Total PCBs (µg/Kg)		5800		57		79		720		350		600	
Total Organic Carbon (g/Kg)		30		16		15		20		6.3		36	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	**193.33**		3.56		5.27		**36.00**		**55.56**		16.67	

	Sample ID	A03010SS0613		A03011SS0613		A03012SS0613		A03013SS0613		A03014SS0713		A03015SS0713	
	Location ID	A03-010		A03-011		A03-012		A03-013		A03-014		A03-015	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	6/14/2013		6/14/2013		6/14/2013		6/14/2013		7/17/2013		7/17/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1254 (µg/Kg)		23	U	26	U	25	U	24	U	21	U	37	U
Aroclor 1260 (µg/Kg)		23	U	230		250		110		27	J	360	
Total PCBs (µg/Kg)		37	U	230		250		110		33	U	360	
Total Organic Carbon (g/Kg)		11		8.7		9.1		20		13		67	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	3.36		**26.44**		**27.47**		5.50		2.10		5.40	

	Sample ID	A03016SS0713		A03017SS0713		A03018SS0713	
	Location ID	A03-016		A03-017		A03-018	
	Depth (ft)	0.0 - 0.5		0.0 - 0.5		0.0 - 0.5	
Analyte	Sample Date	7/17/2013		7/17/2013		7/17/2013	
Polychlorinated Bi-phenyls	BTV	Result	Qualifier	Result	Qualifier	Result	Qualifier
Aroclor 1254 (µg/Kg)		38	U	39	U	19	U
Aroclor 1260 (µg/Kg)		370		270		45	
Total PCBs (µg/Kg)		370		270		45	
Total Organic Carbon (g/Kg)		46		30		8.4	
Total PCBs Normalized for TOC (µg PCB / g OC)	17.06	8.00		9.00		5.40	

Notes:
SCO = Soil Cleanup Objective (New York State Department of Environmental Conservation Subpart 375-6: Remedial Program Soil Cleanup Objectives)
BTV = Background Threshold Value
µg/Kg = micrograms per kilogram
g/Kg = grams per kilogram
µg PCB / g OC = micrograms of PCBs per gram of Organic Carbon
J = Estimated concentration
U = Analyte not detected at or above method detection limits
H = Sample was prepped or analyzed beyond the specified holding time
Bold = Result exceeds BTV

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FIGURE 5
PHOTO LOCATION MAP
SANDERS CREEK
CARRIER FACILITY THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY:	T.B.
DRAWN BY:	E.R.
DWG DATE:	02AUG13
DWG NO:	5771E001

ENSAFE
(800) 588-7962
MEMPHIS, TENNESSEE

F:\ROGERSCAD\CLIENTS\ENSAFE\PROJECTS\UNITED TECHNOLOGIES CORPORATION (UTC)\UTC-CARRIER – SYRACUSE, NY\PHOTO LOCATION MAP\5771E001 PHOTO PAGE.DWG

2.2.1 Background Threshold Values

Carrier calculated BTVs for PCBs in sediments in Sanders Creek using U.S. Environmental Protection Agency (USEPA) software, ProUCL Version 4.00.04 (ProUCL). The rationale for using the ProUCL statistical model was to take into consideration parametric and nonparametric statistical methods for data sets with and without non-detects. All calculations for BTV development based on the June 2013 Sanders Creek sediment sampling event are included in Appendix A of this report.

3.0 FUTURE ACTIVITIES

No further sediment sampling activities, conducted as part of the order, are scheduled pending review of this data package by NYSDEC; however, the data presented herein is being utilized to prepare a revised RAP for Sanders Creek. Future activities to be conducted at the site as part of the CO include creek dredging related activities as outlined below:

Sediment Sampling Report submittal to NYSDEC	October 3, 2013
Revised Remediation Action Plan Submittal	TBD
NYSDEC Review/Approval	60 days after Submittal of RAP
Nationwide 38 Permitting	TBD
Cleanup actions in Sanders Creek	Tentatively Scheduled for Fall 2014

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

Appendix A
Background Threshold Values of Up-gradient Sediment Samples

Background Threshold Values of Up-gradient Sediment Samples

EnSafe was contracted by UTC Carrier to calculate a background threshold value (BTV) for Total PCBs in Sanders Creek sediment. Sanders Creek flows east to west along the northern boundary of the Carrier facility in Syracuse, New York. This is an appendix to the Sanders Creek Sediment Sampling Report (August 2013), which documents the site setting, history, sampling methods, locations and other pertinent project information.

U.S. Environmental Protection Agency (USEPA) software, ProUCL Version 4.1 (ProUCL) was used to calculate the BTV for Total PCBs. The rationale for using the ProUCL statistical model was to select an appropriate statistical method and calculate a corresponding BTV for use in risk management planning. ProUCL tests data distributions and calculates upper percentiles, upper prediction limits, upper tolerance limits, and other statistics based on data that is entered into the software. Upper limits based upon background (or reference) data are often used as estimates of BTVs, compliance limits, or not-to-exceed values in point-by-point background evaluations.

ProUCL guidance recommends using the upper prediction limit as the BTV, and the specific calculation method is dependent upon the data distribution. Recent sediment data collected from up-gradient locations for Total PCBs were integrated into ProUCL, and goodness of fit testing was used to determine the most appropriate distribution and corresponding statistical methods to calculate a BTV.

ProUCL goodness of fit testing results are documented in Attachment A-1, which indicate that the data are lognormally distributed. Thus, parametric calculations for use with lognormally distributed data were selected as the most appropriate methods for estimating upper prediction limits for this data set. Nonparametric methods were available, but they were not selected as the most appropriate methods because ProUCL goodness of fit test results consistently indicated that the up-gradient data are lognormally distributed. Figure A-1 shows the histogram for Total PCBs from ProUCL.

Two options were considered when selecting the lognormal upper prediction limit, and the options are distinguished by the method each uses to address non-detects. The first option uses one-half the detection limit as non-detect surrogate concentrations. The second option uses Regression on Order Statistics (ROS) to account for non-detects. ProUCL guidance does not recommend using one-half the detection limit as non-detect surrogate concentrations when calculating BTVs. Consequently, the ProUCL 95% upper prediction limit for a lognormal data distribution using ROS to

account for non-detects was used as the BTV, in accordance with the ProUCL guidance.

BTV information is summarized below in Table A-1, and laboratory analytical data are summarized in Table A-2.

Table A-1
Background Threshold Value from ProUCL
Sander's Creek Sediment Sampling
UTC Carrier Syracuse
July 2013

Compound	BTV	Distribution	Type
Total PCBs normalized for TOC	17.06 µgPCB/gOC	Lognormal	95% UPL

Fifteen samples were collected, and Aroclors 1242, 1254 and 1260 were the only PCBs reported. In some samples, only one Aroclor was reported, so there is some uncertainty based on data variability and non-detects. ProUCL output is documented in Attachment A-1.

Table A-2 - Sander's Creek Sediment PCB Data (insert MS Excel file)

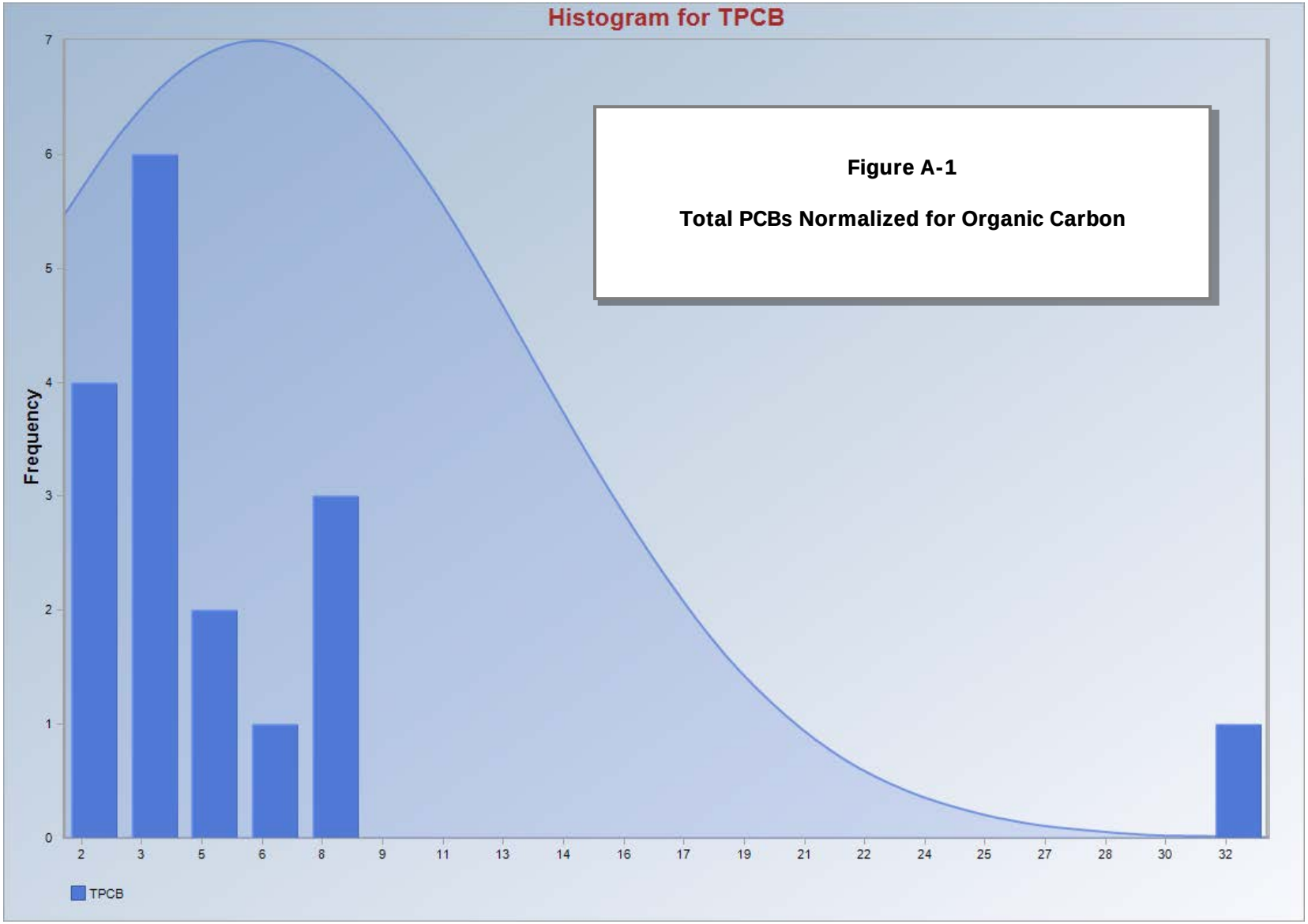


Figure A-1

Total PCBs Normalized for Organic Carbon

Attachment A-1
ProUCL output

Goodness-of-Fit Test Statistics for Data Sets with Non-Detects

User Selected Options

From File	import.wst
Full Precision	ON
Confidence Coefficient	0.95

TPCB

	Num Obs	Num Miss	Num Valid	Detects	NDs	% NDs
Raw Statistics	17	0	17	13	4	23.53%

	Number	Minimum	Maximum	Mean	Median	SD
Statistics (Non-Detects Only)	4	2.4	5.3968254	3.785152	3.6718913	1.3186956
Statistics (Detects Only)	13	1.1	32.727273	6.8982597	4.1176471	8.1260024
Statistics (All: NDs treated as DL value)	17	1.1	32.727273	6.1657637	4.1176471	7.1904635
Statistics (All: NDs treated as DL/2 value)	17	1.1	32.727273	5.7204517	3.9393939	7.3753463
Statistics (Normal ROS Estimated Data)	17	-0.731463	32.727273	5.4904427	3.9393939	7.5535449
Statistics (Gamma ROS Estimated Data)	17	0.000001	32.727273	5.5901068	3.9393939	7.4761537
Statistics (Lognormal ROS Estimated Data)	17	1.1	32.727273	5.7757483	3.9393939	7.3439504

	K Hat	K Star	Theta Hat	Log Mean	Log Stdv	Log CV
Statistics (Detects Only)	1.4870877	1.2638762	4.6387711	1.5587994	0.8387365	0.5380657
Statistics (NDs = DL)	1.6868795	1.4284106	3.65513	1.4942196	0.7521417	0.5033676
Statistics (NDs = DL/2)	1.3533107	1.1537068	4.2270056	1.3311261	0.8545811	0.6419986
Statistics (Gamma ROS Estimates)	0.332514	0.3130508	16.811642	--	--	--
Statistics (Lognormal ROS Estimates)	--	--	--	1.3634641	0.8201312	0.6015055

Normal Distribution Test Results

	No NDs	NDs = DL	NDs = DL/2	Normal ROS
Correlation Coefficient R	0.7500061	0.7195731	0.7297361	0.7656139

	Test value	Crit. (0.0500000)	Conclusion with Alpha(0.0500000)
Shapiro-Wilks (Detects Only)	0.5929308	0.866	Data Not Normal
Lilliefors (Detects Only)	0.3369383	0.2457322	Data Not Normal
Shapiro-Wilks (NDs = DL)	0.5484864	0.892	Data Not Normal
Lilliefors (NDs = DL)	0.3051685	0.2148866	Data Not Normal
Shapiro-Wilks (NDs = DL/2)	0.5606661	0.892	Data Not Normal
Lilliefors (NDs = DL/2)	0.2859507	0.2148866	Data Not Normal
Shapiro-Wilks (Normal ROS Estimates)	0.6158981	0.892	Data Not Normal
Lilliefors (Normal ROS Estimates)	0.2782386	0.2148866	Data Not Normal

Gamma Distribution Test Results

	No NDs	NDs = DL	NDs = DL/2	Gamma ROS
Correlation Coefficient R	0.8890924	0.8595335	0.8831414	0.9437376

	Test value	Crit. (0.0500000)	Conclusion with Alpha(0.0500000)
Anderson-Darling (Detects Only)	0.658897	0.7505126	
Kolmogorov-Smirnov (Detects Only)	0.210604	0.2409842	Data Appear Gamma Distributed
Anderson-Darling (NDs = DL)	0.8711696	0.7533315	
Kolmogorov-Smirnov (NDs = DL)	0.1766908	0.2124591	Data appear Approximate Gamma Distribution
Anderson-Darling (NDs = DL/2)	0.7320833	0.7586906	
Kolmogorov-Smirnov (NDs = DL/2)	0.1734969	0.2135637	Data Appear Gamma Distributed
Anderson-Darling (Gamma ROS Estimates)	2.5335324	0.8346513	
Kolmogorov-Smirnov (Gamma ROS Est.)	0.348206	0.2258038	Data Not Gamma Distributed

Lognormal Distribution Test Results

	No NDs	NDs = DL	NDs = DL/2	Log ROS
Correlation Coefficient R	0.9672757	0.9618135	0.971828	0.9672825

	Test value	Crit. (0.0500000)	Conclusion with Alpha(0.0500000)
Shapiro-Wilks (Detects Only)	0.9536344	0.866	Data Appear Lognormal
Lilliefors (Detects Only)	0.1600176	0.2457322	Data Appear Lognormal
Shapiro-Wilks (NDs = DL)	0.945074	0.892	Data Appear Lognormal
Lilliefors (NDs = DL)	0.1293913	0.2148866	Data Appear Lognormal
Shapiro-Wilks (NDs = DL/2)	0.9497348	0.892	Data Appear Lognormal
Lilliefors (NDs = DL/2)	0.107836	0.2148866	Data Appear Lognormal
Shapiro-Wilks (Lognormal ROS Estimates)	0.945333	0.892	Data Appear Lognormal
Lilliefors (Lognormal ROS Estimates)	0.1218695	0.2148866	Data Appear Lognormal

Note: Substitution methods such as DL or DL/2 are not recommended.

General Background Statistics for Data Sets with Non-Detects

User Selected Options

From File	import.wst
Full Precision	ON
Confidence Coefficient	95%
Coverage	90%
Different or Future K Values	1
Number of Bootstrap Operations	2000

TPCB

General Statistics

Number of Valid Data	17	Number of Detected Data	13
Number of Distinct Detected Data	13	Number of Non-Detect Data	4
Tolerance Factor	2.002	Percent Non-Detects	23.53%

Raw Statistics		Log-transformed Statistics	
Minimum Detected	1.1	Minimum Detected	0.0953102
Maximum Detected	32.727273	Maximum Detected	3.4882088
Mean of Detected	6.8982597	Mean of Detected	1.5587994
SD of Detected	8.1260024	SD of Detected	0.8387365
Minimum Non-Detect	2.4	Minimum Non-Detect	0.8754687
Maximum Non-Detect	5.3968254	Maximum Non-Detect	1.6858109

Data with Multiple Detection Limits

Note: Data have multiple DLs - Use of KM Method is recommended

For all methods (except KM, DL/2, and ROS Methods),

Observations < Largest ND are treated as NDs

Single Detection Limit Scenario

Number treated as Non-Detect with Single DL	12
Number treated as Detected with Single DL	5
Single DL Non-Detect Percentage	70.59%

Background Statistics

Normal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.5929308
5% Shapiro Wilk Critical Value	0.866

Data not Normal at 5% Significance Level

Lognormal Distribution Test with Detected Values Only

Shapiro Wilk Test Statistic	0.9536344
5% Shapiro Wilk Critical Value	0.866

Data appear Lognormal at 5% Significance Level

Assuming Normal Distribution

DL/2 Substitution Method	
Mean	5.7204517
SD	7.3753463
95% UTL 90% Coverage	20.485895
95% UPL (t)	18.970257
90% Percentile (z)	15.172338

Assuming Lognormal Distribution

DL/2 Substitution Method	
Mean (Log Scale)	1.3311261
SD (Log Scale)	0.8545811
95% UTL 90% Coverage	20.947045
95% UPL (t)	17.5733
90% Percentile (z)	11.317112

95% Percentile (z)	17.851817
99% Percentile (z)	22.878073

Maximum Likelihood Estimate(MLE) Method

Mean	-3.546049
SD	14.839314
95% UTL with 90% Coverage	26.162258
95% UPL (t)	23.112771
90% Percentile (z)	15.471297
95% Percentile (z)	20.862451
99% Percentile (z)	30.975358

Gamma Distribution Test with Detected Values Only

k star (bias corrected)	1.1951957
Theta Star	5.771657
nu star	31.075088
A-D Test Statistic	0.658897
5% A-D Critical Value	0.7505126
K-S Test Statistic	0.210604
5% K-S Critical Value	0.2409842

Data appear Gamma Distributed at 5% Significance Level

Assuming Gamma Distribution

Gamma ROS Statistics with Extrapolated Data

Mean	5.5901068
Median	3.9393939
SD	7.4761537
k star	0.3130508
Theta star	17.85687
Nu star	10.643726
95% Percentile of Chisquare (2k)	2.8249456
90% Percentile	16.39989
95% Percentile	25.222342
99% Percentile	48.031519

Note: DL/2 is not a recommended method.

95% Percentile (z)	15.437305
99% Percentile (z)	27.637655

Log ROS Method

Mean in Original Scale	5.7757483
SD in Original Scale	7.3439504
95% UTL with 90% Coverage	20.19362
95% BCA UTL with 90% Coverage	32.727273
95% Bootstrap (%) UTL with 90% Coverage	32.727273
95% UPL (t)	17.061583
90% Percentile (z)	11.184227
95% Percentile (z)	15.06629
99% Percentile (z)	26.347529

Data Distribution Test with Detected Values Only

Data appear Gamma Distributed at 5% Significance Level

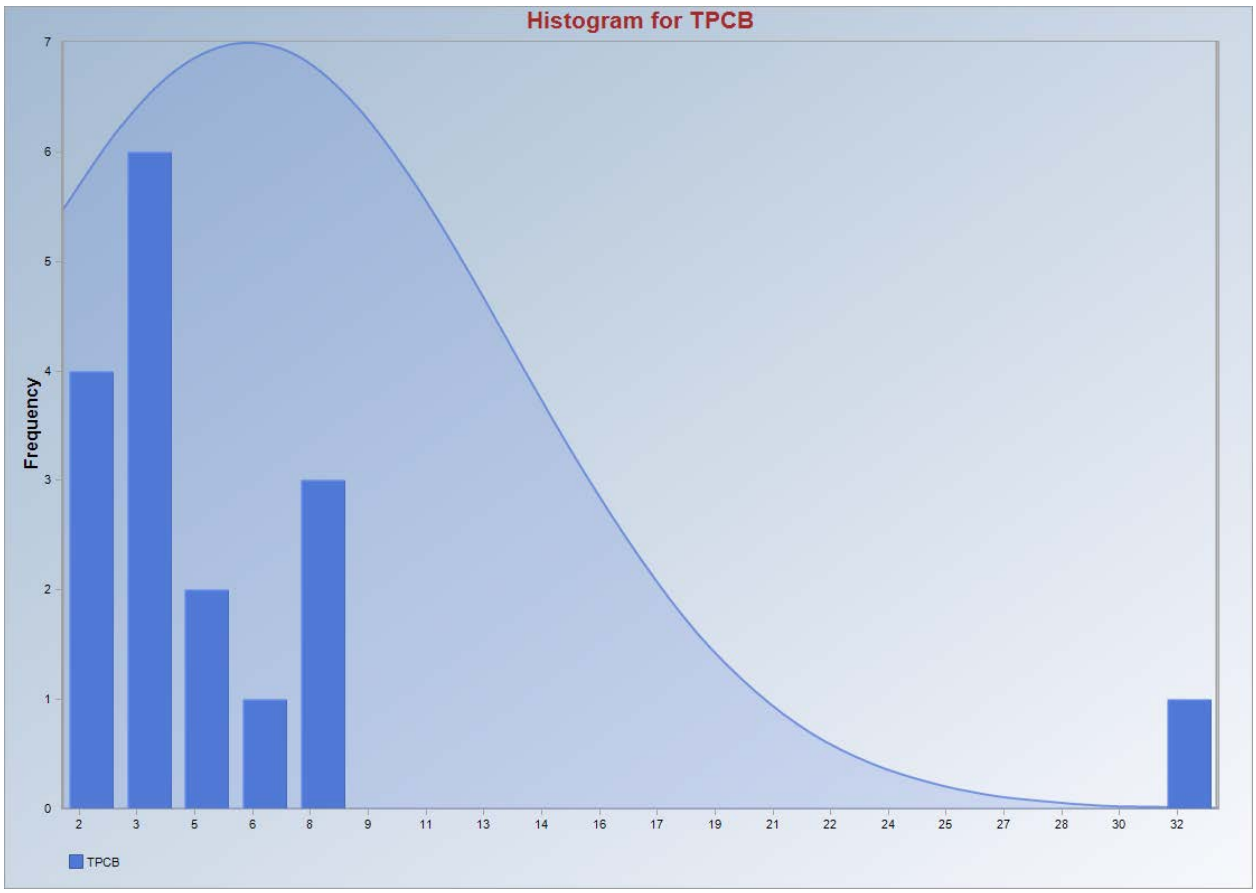
Nonparametric Statistics

Kaplan-Meier (KM) Method

Mean	5.8116473
SD	7.1215679
SE of Mean	1.8026272
95% KM UTL with 90% Coverage	20.069026
95% KM Chebyshev UPL	37.753802
95% KM UPL (t)	18.60554
90% Percentile (z)	14.938304
95% Percentile (z)	17.525584
99% Percentile (z)	22.378892

Gamma ROS Limits with Extrapolated Data

95% Wilson Hilferty (WH) Approx. Gamma UPL	22.500878
95% Hawkins Wixley (HW) Approx. Gamma UPL	29.257852
95% WH Approx. Gamma UTL with 90% Coverage	26.318735
95% HW Approx. Gamma UTL with 90% Coverage	35.57679



Location	Sample ID	Sample Date	TPCB	D_TPCB
A01-001	A01001SS0613	6/12/2013	32.73	1
A01-002	A01002SS0613	6/12/2013	2.40	0
A01-003	A01003SS0613	6/12/2013	2.28	1
A01-004	A01004SS0613	6/12/2013	5.40	0
A01-005	A01005SS0613	6/12/2013	8.67	1
A01-006	A01006SS060613	6/12/2013	4.07	1
A01-006	A01006SS6120613	6/12/2013	3.09	0
A01-007	A01007SS0613	6/12/2013	1.87	1
A01-008	A01008SS060613	6/12/2013	7.73	1
A01-009	A01009SS0613	6/12/2013	8.10	1
A01-010	A01010SS060613	6/12/2013	4.12	1
A01-010	A01010SS6120613	6/12/2013	3.50	1
A01-011	A01011SS0613	6/12/2013	5.00	1
A01-012	A01012SS0613	6/12/2013	4.25	0
A01-013	A01013SS0613	6/12/2013	3.94	1
A01-014	A01014SS0613	6/12/2013	6.59	1
A01-015	A01015SS0613	6/12/2013	1.10	1

Background Comparisons – Area 2 Total PCB data were compared with upgradient data.

Quantile Site vs Background Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options

From File	group.wst
Full Precision	ON
Confidence Coefficient	95%
Null Hypothesis	Site or AOC Concentration Less Than or Equal to Background Concentration (Form 1)
Alternative Hypothesis	Site or AOC Concentration Greater Than Background Concentration

Area of Concern Data: TPCB(area 2)

Background Data: TPCB(area 1)

Raw Statistics

	Site	Background
Number of Valid Data	16	17
Number of Non-Detect Data	0	4
Number of Detect Data	16	13
Minimum Non-Detect	N/A	2.4
Maximum Non-Detect	N/A	5.3968254
Percent Non detects	0.00%	23.53%
Minimum Detected	0.7021277	1.1
Maximum Detected	347.61905	32.727273
Mean of Detected Data	31.26771	6.8982597
Median of Detected Data	6.1941392	4.1176471
SD of Detected Data	84.853954	8.1260024

Quantile Test

H0: Site Concentration <= Background Concentration (Form 1)

Approximate R Value (0.05)	4
Approximate K Value (0.05)	4
Number of Site Observations in 'R' Largest	3
Calculated Alpha	0.044477

Conclusion with Alpha = 0.05

Do Not Reject H0, Perform Wilcoxon-Mann-Whitney or Gehan Test

Gehan Site vs Background Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options

From File	group.wst
Full Precision	ON
Confidence Coefficient	95%
Substantial Difference	0
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median

Area of Concern Data: TPCB(area 2)

Background Data: TPCB(area 1)

Raw Statistics

	Site	Background
Number of Valid Data	16	17
Number of Non-Detect Data	0	4
Number of Detect Data	16	13
Minimum Non-Detect	N/A	2.4
Maximum Non-Detect	N/A	5.3968254
Percent Non detects	0.00%	23.53%
Minimum Detected	0.7021277	1.1
Maximum Detected	347.61905	32.727273
Mean of Detected Data	31.26771	6.8982597
Median of Detected Data	6.1941392	4.1176471
SD of Detected Data	84.853954	8.1260024

Site vs Background Gehan Test

H0: Mean/Median of Site or AOC <= Mean/Median of background

Gehan z Test Value	1.4874679
Critical z (0.95)	1.6448536
P-Value	0.0684456

Conclusion with Alpha = 0.05

Do Not Reject H0, Conclude Site <= Background

P-Value >= alpha (0.0500000)

Background Comparisons – Area 3 Total PCB data were compared with upgradient data.

Quantile Site vs Background Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options

From File	group.wst
Full Precision	ON
Confidence Coefficient	95%
Null Hypothesis	Site or AOC Concentration Less Than or Equal to Background Concentration (Form 1)
Alternative Hypothesis	Site or AOC Concentration Greater Than Background Concentration

Area of Concern Data: TPCB(area 3)

Background Data: TPCB(area 1)

Raw Statistics

	Site	Background
Number of Valid Data	16	17
Number of Non-Detect Data	1	4
Number of Detect Data	15	13
Minimum Non-Detect	3.3636364	2.4
Maximum Non-Detect	3.3636364	5.3968254
Percent Non detects	6.25%	23.53%
Minimum Detected	3.5625	1.1
Maximum Detected	230.55556	32.727273
Mean of Detected Data	46.158836	6.8982597
Median of Detected Data	19.090909	4.1176471
SD of Detected Data	68.996902	8.1260024

Quantile Test

H0: Site Concentration <= Background Concentration (Form 1)

Approximate R Value (0.05)	4
Approximate K Value (0.05)	4
Number of Site Observations in 'R' Largest	4
Calculated Alpha	0.044477

Conclusion with Alpha = 0.05

Reject H0, Conclude Site Concentration > Background Concentration

Gehan Site vs Background Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options

From File	group.wst
Full Precision	ON
Confidence Coefficient	95%
Substantial Difference	0
Selected Null Hypothesis	Site or AOC Mean/Median Less Than or Equal to Background Mean/Median (Form 1)
Alternative Hypothesis	Site or AOC Mean/Median Greater Than Background Mean/Median

Area of Concern Data: TPCB(area 3)

Background Data: TPCB(area 1)

Raw Statistics

	Site	Background
Number of Valid Data	16	17
Number of Non-Detect Data	1	4
Number of Detect Data	15	13
Minimum Non-Detect	3.3636364	2.4
Maximum Non-Detect	3.3636364	5.3968254
Percent Non detects	6.25%	23.53%
Minimum Detected	3.5625	1.1
Maximum Detected	230.55556	32.727273
Mean of Detected Data	46.158836	6.8982597
Median of Detected Data	19.090909	4.1176471
SD of Detected Data	68.996902	8.1260024

Site vs Background Gehan Test

H0: Mean/Median of Site or AOC <= Mean/Median of background

Gehan z Test Value	3.4446993
Critical z (0.95)	1.6448536
P-Value	0.0002859

Conclusion with Alpha = 0.05

Reject H0, Conclude Site > Background

P-Value < alpha (0.0500000)

Appendix B
TestAmerica Analytical Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-25749-1

Job Description: Sanders Creek Sediment Sampling

For:
EnSafe, Inc.
220 Athens Way, Plaza 1, Suite 410
Nashville, TN 37228

Attention: Ms. May Heflin

Approved for release.
Amy L McCormick
Project Manager I
7/3/2013 2:17 PM

Amy L McCormick, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/03/2013

cc: Shane Goodnight
Anne Kathain
Final Data Tracking

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Sanders Creek Sediment Sampling

Report Number: 240-25749-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The Lloyd_Kahn Total Organic Carbon analysis was performed at the TestAmerica Pittsburgh laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 06/14/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 1.1, 1.8, 2.0 and 2.9C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples A01001SS0613 (240-25749-1), A01002SS0613 (240-25749-2), A01003SS0613 (240-25749-3), A01004SS0613 (240-25749-4), A01005SS0613 (240-25749-5), A01006SS060613 (240-25749-6), A01006SS6120613 (240-25749-7), A01007SS0613 (240-25749-8), A01008SS060613 (240-25749-9), A01009SS0613 (240-25749-10), A02009SS0613 (240-25749-11), A02010SS0613 (240-25749-12), A02011SS0613 (240-25749-13), A02012SS0613 (240-25749-14), A02013SS0613 (240-25749-15), A02014SS0613 (240-25749-16), A02015SS0613 (240-25749-17), A02002SS0613 (240-25749-18), A02003SS0613 (240-25749-19), A02004SS0610613 (240-25749-20), A02004SS6120613 (240-25749-21), A02005SS0613 (240-25749-22), A02005SS0613H (240-25749-23), A02006SS0613 (240-25749-24), A02007SS0613 (240-25749-25), A02008SS0613 (240-25749-26), A01010SS060613 (240-25749-27), A01010SS6120613 (240-25749-28), A01011SS0613 (240-25749-29), A01012SS0613 (240-25749-30), A01013SS0613 (240-25749-31), A01014SS0613 (240-25749-32), A01015SS0613 (240-25749-33), A03001SS0613 (240-25749-34), A03002SS0613 (240-25749-35), A03002SS0613H (240-25749-36), A03003SS0613 (240-25749-37), A03004SS0613 (240-25749-38), A03002ASS0613 (240-25749-39), A03005SS0613 (240-25749-40), A03006SS0613 (240-25749-41), A03006SS0613H (240-25749-42), A03007SS0613 (240-25749-43), A03008SS0613 (240-25749-44) and A03009SS0613 (240-25749-45) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/21/2013 and 06/27/2013 and analyzed on 06/25/2013, 06/26/2013 and 07/02/2013.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples A01001SS0613 (240-25749-1), (240-25749-1 MS), (240-25749-1 MSD), A01002SS0613 (240-25749-2), A01003SS0613 (240-25749-3), A01004SS0613 (240-25749-4), A01005SS0613 (240-25749-5), A01006SS060613 (240-25749-6), A01006SS6120613 (240-25749-7), A01007SS0613 (240-25749-8), A01008SS060613 (240-25749-9), A01009SS0613 (240-25749-10), A02009SS0613 (240-25749-11), A02011SS0613 (240-25749-13), A02012SS0613 (240-25749-14), A02013SS0613 (240-25749-15), A02014SS0613 (240-25749-16), A02015SS0613 (240-25749-17), A02002SS0613 (240-25749-18), A02003SS0613 (240-25749-19), A02004SS0610613 (240-25749-20), A02004SS6120613 (240-25749-21), A02005SS0613 (240-25749-22), A02005SS0613 (240-25749-22 MS), A02005SS0613 (240-25749-22 MSD), A02005SS0613H (240-25749-23), A02006SS0613 (240-25749-24), A02007SS0613

(240-25749-25), A02008SS0613 (240-25749-26), A01010SS060613 (240-25749-27), A01010SS6120613 (240-25749-28), A01011SS0613 (240-25749-29), A01012SS0613 (240-25749-30), A01013SS0613 (240-25749-31), A01014SS0613 (240-25749-32), A01015SS0613 (240-25749-33), A03001SS0613 (240-25749-34), A03002SS0613 (240-25749-35), A03004SS0613 (240-25749-38), A03002ASS0613 (240-25749-39), A03005SS0613 (240-25749-40), A03006SS0613 (240-25749-41), A03006SS0613 (240-25749-41 MS), A03006SS0613 (240-25749-41 MSD), A03006SS0613H (240-25749-42), A03007SS0613 (240-25749-43), A03008SS0613 (240-25749-44), and A03009SS0613 (240-25749-45) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

Samples A02010SS0613 (240-25749-12)[50X], A02011SS0613 (240-25749-13)[5X], A02012SS0613 (240-25749-14)[5X], A02013SS0613 (240-25749-15)[5X], A02015SS0613 (240-25749-17)[5X], A02005SS0613 (240-25749-22)[2X], A03001SS0613 (240-25749-34)[5X], A03002SS0613 (240-25749-35)[5X], A03002SS0613H (240-25749-36)[5X], A03003SS0613 (240-25749-37)[5X], A03004SS0613 (240-25749-38)[2X], A03002ASS0613 (240-25749-39)[50X], A03005SS0613 (240-25749-40)[50X] and A03007SS0613 (240-25749-43)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. Samples A02009SS0613 (240-25749-11), A02003SS0613 (240-25749-19), and (LCS 240-91650/24-A) contained an allowable number of surrogate compounds outside limits. These results have been reported and qualified.

Samples A02004SS0610613 (240-25749-20), A02004SS6120613 (240-25749-21), A01010SS060613 (240-25749-27), A01010SS6120613 (240-25749-28), and A01011SS0613 (240-25749-29) appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration. The samples have been quantified and reported as as a mixture of Aroclors 1254 and 1660. Due to the poor match with the Aroclor standard(s), there is increased qualitative and quantitative uncertainty associated with these results.

Surrogate recovery for sample A03001SS0613 (240-25749-34) in batch 91402 was outside control limits. Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for A02010SS0613 (240-25749-12).

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A02011SS0613 (240-25749-13). Decachlorobiphenyl failed the surrogate recovery criteria high.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A02012SS0613 (240-25749-14). Decachlorobiphenyl failed the surrogate recovery criteria high.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A02013SS0613 (240-25749-15). Decachlorobiphenyl failed the surrogate recovery criteria high.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A02015SS0613 (240-25749-17).

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A03002SS0613 (240-25749-35).

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A03002SS0613H (240-25749-36).

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for A03003SS0613 (240-25749-37).

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for A03002ASS0613 (240-25749-39).

Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for A03005SS0613 (240-25749-40).

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A03002SS0613 MS (240-25749-35MS).

Tetrachloro-m-xylene failed the surrogate recovery criteria low for A03002SS0613 MSD (240-25749-35MSD).

Aroclor 1016 exceeded the RPD limit for the MSD of sample A01001SS0613 MSD (240-25749-1) in batch 240-91193.

Aroclor 1260 failed the recovery criteria low for the MS/MSD of sample A02005SS0613 MS/MSD (240-25749-22) in batch 240-91402.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples A01001SS0613 (240-25749-1), A01002SS0613 (240-25749-2), A01003SS0613 (240-25749-3), A01004SS0613 (240-25749-4), A01005SS0613 (240-25749-5), A01006SS060613 (240-25749-6), A01006SS6120613 (240-25749-7), A01007SS0613 (240-25749-8), A01008SS060613 (240-25749-9), A01009SS0613 (240-25749-10), A02009SS0613 (240-25749-11), A02010SS0613 (240-25749-12),

A02011SS0613 (240-25749-13), A02012SS0613 (240-25749-14), A02013SS0613 (240-25749-15), A02014SS0613 (240-25749-16), A02015SS0613 (240-25749-17), A02002SS0613 (240-25749-18), A02003SS0613 (240-25749-19), A02004SS0610613 (240-25749-20), A02004SS6120613 (240-25749-21), A02005SS0613 (240-25749-22), A02005SS0613H (240-25749-23), A02006SS0613 (240-25749-24), A02007SS0613 (240-25749-25), A02008SS0613 (240-25749-26), A01010SS060613 (240-25749-27), A01010SS6120613 (240-25749-28), A01011SS0613 (240-25749-29), A01012SS0613 (240-25749-30), A01013SS0613 (240-25749-31), A01014SS0613 (240-25749-32), A01015SS0613 (240-25749-33), A03001SS0613 (240-25749-34), A03002SS0613 (240-25749-35), A03002SS0613H (240-25749-36), A03003SS0613 (240-25749-37), A03004SS0613 (240-25749-38), A03002ASS0613 (240-25749-39), A03005SS0613 (240-25749-40), A03006SS0613 (240-25749-41), A03006SS0613H (240-25749-42), A03007SS0613 (240-25749-43), A03008SS0613 (240-25749-44) and A03009SS0613 (240-25749-45) were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 06/26/2013 and 06/27/2013.

Please note that the reporting limit for Lloyd Kahn TOC analysis is a nominal value and does not reflect adjustments in sample mass processed on an individual basis.

The matrix spike/matrix spike duplicate (MS/MSD) recoveries and RPD for samples (240-25749-28 DU), (240-25749-28 MS), (240-25749-28 MSD) associated with batch 76023 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The sample duplicate failed RPD limits also.

Total Organic Carbon and Total Organic Carbon - Quad exceeded the RPD limit for the duplicate of sample A03006SS0613H DU (240-25749-42).

The sample duplicate precision for sample (240-25749-42 DU) associated with batch 76161 was outside control limits. The associated matrix spike/matrix spike duplicate (MS/MSD) precision met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the TOC analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples A01001SS0613 (240-25749-1), A01002SS0613 (240-25749-2), A01003SS0613 (240-25749-3), A01004SS0613 (240-25749-4), A01005SS0613 (240-25749-5), A01006SS060613 (240-25749-6), A01006SS6120613 (240-25749-7), A01007SS0613 (240-25749-8), A01008SS060613 (240-25749-9), A01009SS0613 (240-25749-10), A02009SS0613 (240-25749-11), A02010SS0613 (240-25749-12), A02011SS0613 (240-25749-13), A02012SS0613 (240-25749-14), A02013SS0613 (240-25749-15), A02014SS0613 (240-25749-16), A02015SS0613 (240-25749-17), A02002SS0613 (240-25749-18), A02003SS0613 (240-25749-19), A02004SS0610613 (240-25749-20), A02004SS6120613 (240-25749-21), A02005SS0613 (240-25749-22), A02005SS0613H (240-25749-23), A02006SS0613 (240-25749-24), A02007SS0613 (240-25749-25), A02008SS0613 (240-25749-26), A01010SS060613 (240-25749-27), A01010SS6120613 (240-25749-28), A01011SS0613 (240-25749-29), A01012SS0613 (240-25749-30), A01013SS0613 (240-25749-31), A01014SS0613 (240-25749-32), A01015SS0613 (240-25749-33), A03001SS0613 (240-25749-34), A03002SS0613 (240-25749-35), A03002SS0613H (240-25749-36), A03003SS0613 (240-25749-37), A03004SS0613 (240-25749-38), A03002ASS0613 (240-25749-39), A03005SS0613 (240-25749-40), A03006SS0613 (240-25749-41), A03006SS0613H (240-25749-42), A03007SS0613 (240-25749-43), A03008SS0613 (240-25749-44) and A03009SS0613 (240-25749-45) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 06/18/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-1	**A01001SS0613**					
Aroclor 1254		360		47	ug/Kg	8082
Polychlorinated biphenyls, Total		360		47	ug/Kg	8082
Total Organic Carbon		11000		1400	mg/Kg	Lloyd Kahn
Percent Solids		70		0.10	%	Moisture
Percent Moisture		30		0.10	%	Moisture
240-25749-2	**A01002SS0613**					
Total Organic Carbon		15000		1300	mg/Kg	Lloyd Kahn
Percent Solids		76		0.10	%	Moisture
Percent Moisture		24		0.10	%	Moisture
240-25749-3	**A01003SS0613**					
Aroclor 1254		41	J	51	ug/Kg	8082
Polychlorinated biphenyls, Total		41	J	51	ug/Kg	8082
Total Organic Carbon		18000		1500	mg/Kg	Lloyd Kahn
Percent Solids		65		0.10	%	Moisture
Percent Moisture		35		0.10	%	Moisture
240-25749-4	**A01004SS0613**					
Total Organic Carbon		6300		1300	mg/Kg	Lloyd Kahn
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture
240-25749-5	**A01005SS0613**					
Aroclor 1242		28	J	54	ug/Kg	8082
Aroclor 1254		230		54	ug/Kg	8082
Polychlorinated biphenyls, Total		260		54	ug/Kg	8082
Total Organic Carbon		30000		1600	mg/Kg	Lloyd Kahn
Percent Solids		61		0.10	%	Moisture
Percent Moisture		39		0.10	%	Moisture
240-25749-6	**A01006SS060613**					
Aroclor 1254		110		50	ug/Kg	8082
Polychlorinated biphenyls, Total		110		50	ug/Kg	8082
Total Organic Carbon		27000		1500	mg/Kg	Lloyd Kahn
Percent Solids		66		0.10	%	Moisture
Percent Moisture		34		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-7	**A01006SS6120613**					
Total Organic Carbon - Quad		11000		1300	mg/Kg	Lloyd Kahn
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
240-25749-8	**A01007SS0613**					
Aroclor 1260		56		52	ug/Kg	8082
Polychlorinated biphenyls, Total		56		52	ug/Kg	8082
Total Organic Carbon		30000		1600	mg/Kg	Lloyd Kahn
Percent Solids		63		0.10	%	Moisture
Percent Moisture		37		0.10	%	Moisture
240-25749-9	**A01008SS060613**					
Aroclor 1254		170		48	ug/Kg	8082
Polychlorinated biphenyls, Total		170		48	ug/Kg	8082
Total Organic Carbon		22000		1500	mg/Kg	Lloyd Kahn
Percent Solids		69		0.10	%	Moisture
Percent Moisture		31		0.10	%	Moisture
240-25749-10	**A01009SS0613**					
Aroclor 1254		170		48	ug/Kg	8082
Polychlorinated biphenyls, Total		170		48	ug/Kg	8082
Total Organic Carbon		21000		1500	mg/Kg	Lloyd Kahn
Percent Solids		68		0.10	%	Moisture
Percent Moisture		32		0.10	%	Moisture
240-25749-11	**A02009SS0613**					
Aroclor 1260		160		47	ug/Kg	8082
Polychlorinated biphenyls, Total		160		47	ug/Kg	8082
Total Organic Carbon		21000		1400	mg/Kg	Lloyd Kahn
Percent Solids		71		0.10	%	Moisture
Percent Moisture		29		0.10	%	Moisture
240-25749-12	**A02010SS0613**					
Aroclor 1260		7300		2600	ug/Kg	8082
Polychlorinated biphenyls, Total		7300		2600	ug/Kg	8082
Total Organic Carbon		21000		1600	mg/Kg	Lloyd Kahn
Percent Solids		64		0.10	%	Moisture
Percent Moisture		36		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-13	**A02011SS0613**					
Aroclor 1260		560		240	ug/Kg	8082
Polychlorinated biphenyls, Total		560		240	ug/Kg	8082
Total Organic Carbon		28000		1400	mg/Kg	Lloyd Kahn
Percent Solids		69		0.10	%	Moisture
Percent Moisture		31		0.10	%	Moisture
240-25749-14	**A02012SS0613**					
Aroclor 1254		310		210	ug/Kg	8082
Polychlorinated biphenyls, Total		310		210	ug/Kg	8082
Total Organic Carbon		65000		1300	mg/Kg	Lloyd Kahn
Percent Solids		77		0.10	%	Moisture
Percent Moisture		23		0.10	%	Moisture
240-25749-15	**A02013SS0613**					
Aroclor 1254		800		240	ug/Kg	8082
Polychlorinated biphenyls, Total		800		240	ug/Kg	8082
Total Organic Carbon		41000		1400	mg/Kg	Lloyd Kahn
Percent Solids		69		0.10	%	Moisture
Percent Moisture		31		0.10	%	Moisture
240-25749-16	**A02014SS0613**					
Aroclor 1260		250		59	ug/Kg	8082
Polychlorinated biphenyls, Total		250		59	ug/Kg	8082
Total Organic Carbon		28000		1800	mg/Kg	Lloyd Kahn
Percent Solids		56		0.10	%	Moisture
Percent Moisture		44		0.10	%	Moisture
240-25749-17	**A02015SS0613**					
Aroclor 1260		540		220	ug/Kg	8082
Polychlorinated biphenyls, Total		540		220	ug/Kg	8082
Total Organic Carbon		21000		1300	mg/Kg	Lloyd Kahn
Percent Solids		76		0.10	%	Moisture
Percent Moisture		24		0.10	%	Moisture
240-25749-18	**A02002SS0613**					
Aroclor 1254		33	J	39	ug/Kg	8082
Polychlorinated biphenyls, Total		33	J	39	ug/Kg	8082
Total Organic Carbon		47000		1200	mg/Kg	Lloyd Kahn
Percent Solids		84		0.10	%	Moisture
Percent Moisture		16		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-19	**A02003SS0613**					
Aroclor 1254		51	J	54	ug/Kg	8082
Polychlorinated biphenyls, Total		51	J	54	ug/Kg	8082
Total Organic Carbon		15000		1600	mg/Kg	Lloyd Kahn
Percent Solids		61		0.10	%	Moisture
Percent Moisture		39		0.10	%	Moisture
240-25749-20	**A02004SS0610613**					
Aroclor 1254		86		49	ug/Kg	8082
Polychlorinated biphenyls, Total		86		49	ug/Kg	8082
Total Organic Carbon		21000		1500	mg/Kg	Lloyd Kahn
Percent Solids		68		0.10	%	Moisture
Percent Moisture		32		0.10	%	Moisture
240-25749-21	**A02004SS6120613**					
Aroclor 1254		88		60	ug/Kg	8082
Polychlorinated biphenyls, Total		88		60	ug/Kg	8082
Total Organic Carbon - Quad		27000		1800	mg/Kg	Lloyd Kahn
Percent Solids		55		0.10	%	Moisture
Percent Moisture		45		0.10	%	Moisture
240-25749-22	**A02005SS0613**					
Aroclor 1260		390		84	ug/Kg	8082
Polychlorinated biphenyls, Total		390		84	ug/Kg	8082
Total Organic Carbon		22000		1300	mg/Kg	Lloyd Kahn
Percent Solids		79		0.10	%	Moisture
Percent Moisture		21		0.10	%	Moisture
240-25749-23	**A02005SS0613H**					
Aroclor 1260		230		45	ug/Kg	8082
Polychlorinated biphenyls, Total		230		45	ug/Kg	8082
Total Organic Carbon		8000		1300	mg/Kg	Lloyd Kahn
Percent Solids		75		0.10	%	Moisture
Percent Moisture		25		0.10	%	Moisture
240-25749-24	**A02006SS0613**					
Aroclor 1260		130		41	ug/Kg	8082
Polychlorinated biphenyls, Total		130		41	ug/Kg	8082
Total Organic Carbon		69000		1200	mg/Kg	Lloyd Kahn
Percent Solids		80		0.10	%	Moisture
Percent Moisture		20		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-25	**A02007SS0613**					
Aroclor 1260		160		38	ug/Kg	8082
Polychlorinated biphenyls, Total		160		38	ug/Kg	8082
Total Organic Carbon		44000		1200	mg/Kg	Lloyd Kahn
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-25749-26	**A02008SS0613**					
Aroclor 1260		160		38	ug/Kg	8082
Polychlorinated biphenyls, Total		160		38	ug/Kg	8082
Total Organic Carbon		60000		1100	mg/Kg	Lloyd Kahn
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-25749-27	**A01010SS060613**					
Aroclor 1254		140		74	ug/Kg	8082
Polychlorinated biphenyls, Total		140		74	ug/Kg	8082
Total Organic Carbon		34000		2200	mg/Kg	Lloyd Kahn
Percent Solids		45		0.10	%	Moisture
Percent Moisture		55		0.10	%	Moisture
240-25749-28	**A01010SS6120613**					
Aroclor 1254		49		48	ug/Kg	8082
Polychlorinated biphenyls, Total		49		48	ug/Kg	8082
Total Organic Carbon		14000		1400	mg/Kg	Lloyd Kahn
Percent Solids		71		0.10	%	Moisture
Percent Moisture		29		0.10	%	Moisture
240-25749-29	**A01011SS0613**					
Aroclor 1260		100		48	ug/Kg	8082
Polychlorinated biphenyls, Total		100		48	ug/Kg	8082
Total Organic Carbon		20000		1500	mg/Kg	Lloyd Kahn
Percent Solids		68		0.10	%	Moisture
Percent Moisture		32		0.10	%	Moisture
240-25749-30	**A01012SS0613**					
Total Organic Carbon		8700		1400	mg/Kg	Lloyd Kahn
Percent Solids		73		0.10	%	Moisture
Percent Moisture		27		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-31	**A01013SS0613**					
Aroclor 1254		130		57	ug/Kg	8082
Polychlorinated biphenyls, Total		130		57	ug/Kg	8082
Total Organic Carbon		33000		1700	mg/Kg	Lloyd Kahn
Percent Solids		58		0.10	%	Moisture
Percent Moisture		42		0.10	%	Moisture
240-25749-32	**A01014SS0613**					
Aroclor 1254		54		46	ug/Kg	8082
Polychlorinated biphenyls, Total		54		46	ug/Kg	8082
Total Organic Carbon		8200		1400	mg/Kg	Lloyd Kahn
Percent Solids		70		0.10	%	Moisture
Percent Moisture		30		0.10	%	Moisture
240-25749-33	**A01015SS0613**					
Aroclor 1254		33	J	54	ug/Kg	8082
Total Organic Carbon		30000		1600	mg/Kg	Lloyd Kahn
Percent Solids		61		0.10	%	Moisture
Percent Moisture		39		0.10	%	Moisture
240-25749-34	**A03001SS0613**					
Aroclor 1260		590	H	190	ug/Kg	8082
Polychlorinated biphenyls, Total		590	H	190	ug/Kg	8082
Total Organic Carbon		35000		1100	mg/Kg	Lloyd Kahn
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-25749-35	**A03002SS0613**					
Aroclor 1260		720		200	ug/Kg	8082
Polychlorinated biphenyls, Total		720		200	ug/Kg	8082
Total Organic Carbon		53000		1200	mg/Kg	Lloyd Kahn
Percent Solids		82		0.10	%	Moisture
Percent Moisture		18		0.10	%	Moisture
240-25749-36	**A03002SS0613H**					
Aroclor 1260		600		190	ug/Kg	8082
Polychlorinated biphenyls, Total		600		190	ug/Kg	8082
Total Organic Carbon		48000		1200	mg/Kg	Lloyd Kahn
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-37	**A03003SS0613**					
Aroclor 1260		510		210	ug/Kg	8082
Polychlorinated biphenyls, Total		510		210	ug/Kg	8082
Total Organic Carbon		17000		1300	mg/Kg	Lloyd Kahn
Percent Solids		78		0.10	%	Moisture
Percent Moisture		22		0.10	%	Moisture
240-25749-38	**A03004SS0613**					
Aroclor 1260		420		88	ug/Kg	8082
Polychlorinated biphenyls, Total		420		88	ug/Kg	8082
Total Organic Carbon		22000		1300	mg/Kg	Lloyd Kahn
Percent Solids		74		0.10	%	Moisture
Percent Moisture		26		0.10	%	Moisture
240-25749-39	**A03002ASS0613**					
Aroclor 1260		8300		2300	ug/Kg	8082
Polychlorinated biphenyls, Total		8300		2300	ug/Kg	8082
Total Organic Carbon		36000		1400	mg/Kg	Lloyd Kahn
Percent Solids		72		0.10	%	Moisture
Percent Moisture		28		0.10	%	Moisture
240-25749-40	**A03005SS0613**					
Aroclor 1260		5800		2200	ug/Kg	8082
Polychlorinated biphenyls, Total		5800		2200	ug/Kg	8082
Total Organic Carbon		30000		1300	mg/Kg	Lloyd Kahn
Percent Solids		74		0.10	%	Moisture
Percent Moisture		26		0.10	%	Moisture
240-25749-41	**A03006SS0613**					
Aroclor 1260		57		48	ug/Kg	8082
Polychlorinated biphenyls, Total		57		48	ug/Kg	8082
Total Organic Carbon - Quad		16000		1500	mg/Kg	Lloyd Kahn
Percent Solids		69		0.10	%	Moisture
Percent Moisture		31		0.10	%	Moisture
240-25749-42	**A03006SS0613H**					
Aroclor 1260		79		46	ug/Kg	8082
Polychlorinated biphenyls, Total		79		46	ug/Kg	8082
Total Organic Carbon		15000		1400	mg/Kg	Lloyd Kahn
Percent Solids		71		0.10	%	Moisture
Percent Moisture		29		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25749-43	**A03007SS0613**					
Aroclor 1260		720		97	ug/Kg	8082
Polychlorinated biphenyls, Total		720		97	ug/Kg	8082
Total Organic Carbon		20000		1500	mg/Kg	Lloyd Kahn
Percent Solids		67		0.10	%	Moisture
Percent Moisture		33		0.10	%	Moisture
240-25749-44	**A03008SS0613**					
Aroclor 1260		350		47	ug/Kg	8082
Polychlorinated biphenyls, Total		350		47	ug/Kg	8082
Total Organic Carbon		6300		1400	mg/Kg	Lloyd Kahn
Percent Solids		70		0.10	%	Moisture
Percent Moisture		30		0.10	%	Moisture
240-25749-45	**A03009SS0613**					
Aroclor 1260		600		57	ug/Kg	8082
Polychlorinated biphenyls, Total		600		57	ug/Kg	8082
Total Organic Carbon		36000		1700	mg/Kg	Lloyd Kahn
Percent Solids		58		0.10	%	Moisture
Percent Moisture		42		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-25749-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082	
Soxhlet Extraction	TAL CAN		SW846 3540C
Percent Moisture	TAL CAN	EPA Moisture	
Organic Carbon, Total (TOC)	TAL PIT	EPA Lloyd Kahn	

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc. Job Number: 240-25749-1

Method	Analyst	Analyst ID
SW846 8082	Hass, Lori	LSH
SW846 8082	Kuster, Rhonda	RSK
SW846 8082	Van Doren, Carolyn	CVD
EPA Lloyd Kahn	DeRubeis, James D	JDD
EPA Lloyd Kahn	Waclaski, Linx	LKW
EPA Moisture	Woodward, Bruce	BLW

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-25749-1	A01001SS0613	Solid	06/12/2013 1041	06/14/2013 0920
240-25749-2	A01002SS0613	Solid	06/12/2013 1038	06/14/2013 0920
240-25749-3	A01003SS0613	Solid	06/12/2013 1032	06/14/2013 0920
240-25749-4	A01004SS0613	Solid	06/12/2013 1025	06/14/2013 0920
240-25749-5	A01005SS0613	Solid	06/12/2013 1020	06/14/2013 0920
240-25749-6	A01006SS060613	Solid	06/12/2013 1010	06/14/2013 0920
240-25749-7	A01006SS6120613	Solid	06/12/2013 1015	06/14/2013 0920
240-25749-8	A01007SS0613	Solid	06/12/2013 1005	06/14/2013 0920
240-25749-9	A01008SS060613	Solid	06/12/2013 0950	06/14/2013 0920
240-25749-10	A01009SS0613	Solid	06/12/2013 0945	06/14/2013 0920
240-25749-11	A02009SS0613	Solid	06/12/2013 1323	06/14/2013 0920
240-25749-12	A02010SS0613	Solid	06/12/2013 1315	06/14/2013 0920
240-25749-13	A02011SS0613	Solid	06/12/2013 1310	06/14/2013 0920
240-25749-14	A02012SS0613	Solid	06/12/2013 1305	06/14/2013 0920
240-25749-15	A02013SS0613	Solid	06/12/2013 1300	06/14/2013 0920
240-25749-16	A02014SS0613	Solid	06/12/2013 1250	06/14/2013 0920
240-25749-17	A02015SS0613	Solid	06/12/2013 1240	06/14/2013 0920
240-25749-18	A02002SS0613	Solid	06/12/2013 1442	06/14/2013 0920
240-25749-19	A02003SS0613	Solid	06/12/2013 1432	06/14/2013 0920
240-25749-20	A02004SS0610613	Solid	06/12/2013 1410	06/14/2013 0920
240-25749-21	A02004SS6120613	Solid	06/12/2013 1455	06/14/2013 0920
240-25749-22	A02005SS0613	Solid	06/12/2013 1347	06/14/2013 0920
240-25749-22MS	A02005SS0613	Solid	06/12/2013 1347	06/14/2013 0920
240-25749-22MSD	A02005SS0613	Solid	06/12/2013 1347	06/14/2013 0920
240-25749-22DU	A02005SS0613	Solid	06/12/2013 1347	06/14/2013 0920
240-25749-23	A02005SS0613H	Solid	06/12/2013 1348	06/14/2013 0920
240-25749-24	A02006SS0613	Solid	06/12/2013 1341	06/14/2013 0920
240-25749-25	A02007SS0613	Solid	06/12/2013 1334	06/14/2013 0920
240-25749-26	A02008SS0613	Solid	06/12/2013 1328	06/14/2013 0920
240-25749-27	A01010SS060613	Solid	06/12/2013 0920	06/14/2013 0920
240-25749-28	A01010SS6120613	Solid	06/12/2013 0925	06/14/2013 0920
240-25749-29	A01011SS0613	Solid	06/12/2013 0910	06/14/2013 0920
240-25749-30	A01012SS0613	Solid	06/12/2013 0900	06/14/2013 0920
240-25749-31	A01013SS0613	Solid	06/12/2013 0850	06/14/2013 0920
240-25749-32	A01014SS0613	Solid	06/12/2013 0835	06/14/2013 0920
240-25749-33	A01015SS0613	Solid	06/12/2013 0830	06/14/2013 0920
240-25749-34	A03001SS0613	Solid	06/12/2013 1912	06/14/2013 0920
240-25749-35	A03002SS0613	Solid	06/12/2013 1900	06/14/2013 0920
240-25749-35MS	A03002SS0613	Solid	06/12/2013 1900	06/14/2013 0920
240-25749-35MSD	A03002SS0613	Solid	06/12/2013 1900	06/14/2013 0920
240-25749-35DU	A03002SS0613	Solid	06/12/2013 1900	06/14/2013 0920
240-25749-36	A03002SS0613H	Solid	06/12/2013 1900	06/14/2013 0920
240-25749-37	A03003SS0613	Solid	06/12/2013 1845	06/14/2013 0920
240-25749-38	A03004SS0613	Solid	06/12/2013 1835	06/14/2013 0920
240-25749-39	A03002ASS0613	Solid	06/12/2013 1930	06/14/2013 0920
240-25749-40	A03005SS0613	Solid	06/13/2013 0844	06/14/2013 0920
240-25749-41	A03006SS0613	Solid	06/13/2013 0853	06/14/2013 0920
240-25749-41MS	A03006SS0613	Solid	06/13/2013 0853	06/14/2013 0920
240-25749-41MSD	A03006SS0613	Solid	06/13/2013 0853	06/14/2013 0920
240-25749-41DU	A03006SS0613	Solid	06/13/2013 0853	06/14/2013 0920
240-25749-42	A03006SS0613H	Solid	06/13/2013 0853	06/14/2013 0920
240-25749-43	A03007SS0613	Solid	06/13/2013 0908	06/14/2013 0920
240-25749-44	A03008SS0613	Solid	06/13/2013 0930	06/14/2013 0920

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-25749-45	A03009SS0613	Solid	06/13/2013 0945	06/14/2013 0920

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01001SS0613**

Lab Sample ID: 240-25749-1 Date Sampled: 06/12/2013 1041
Client Matrix: Solid % Moisture: 29.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.03 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0413			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		30	47
Aroclor 1221		ND		23	47
Aroclor 1232		ND		20	47
Aroclor 1242		ND		18	47
Aroclor 1248		ND		24	47
Aroclor 1254		360		24	47
Aroclor 1260		ND		24	47
Polychlorinated biphenyls, Total		360		38	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	46		29 - 151
DCB Decachlorobiphenyl	52		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01001SS0613**

Lab Sample ID: 240-25749-1 Date Sampled: 06/12/2013 1041
Client Matrix: Solid % Moisture: 29.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.03 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0413			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		29 - 151
DCB Decachlorobiphenyl	53		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01002SS0613**

Lab Sample ID: 240-25749-2 Date Sampled: 06/12/2013 1038
Client Matrix: Solid % Moisture: 24.2 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0457			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		28	44
Aroclor 1221		ND		21	44
Aroclor 1232		ND		18	44
Aroclor 1242		ND		17	44
Aroclor 1248		ND		22	44
Aroclor 1254		ND		22	44
Aroclor 1260		ND		22	44
Polychlorinated biphenyls, Total		ND		36	44

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	48		29 - 151
DCB Decachlorobiphenyl	41		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01002SS0613**

Lab Sample ID: 240-25749-2 Date Sampled: 06/12/2013 1038
Client Matrix: Solid % Moisture: 24.2 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0457			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	49		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01003SS0613**

Lab Sample ID: 240-25749-3 Date Sampled: 06/12/2013 1032
Client Matrix: Solid % Moisture: 35.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0512			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		32	51
Aroclor 1221		ND		25	51
Aroclor 1232		ND		22	51
Aroclor 1242		ND		20	51
Aroclor 1248		ND		26	51
Aroclor 1254		41	J	26	51
Aroclor 1260		ND		26	51
Polychlorinated biphenyls, Total		41	J	41	51

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	39		29 - 151
DCB Decachlorobiphenyl	40		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01003SS0613**

Lab Sample ID: 240-25749-3 Date Sampled: 06/12/2013 1032
Client Matrix: Solid % Moisture: 35.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0512			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	44		29 - 151
DCB Decachlorobiphenyl	41		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01004SS0613**

Lab Sample ID: 240-25749-4 Date Sampled: 06/12/2013 1025
Client Matrix: Solid % Moisture: 20.4 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.06 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0527			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		26	41
Aroclor 1221		ND		20	41
Aroclor 1232		ND		18	41
Aroclor 1242		ND		16	41
Aroclor 1248		ND		21	41
Aroclor 1254		ND		21	41
Aroclor 1260		ND		21	41
Polychlorinated biphenyls, Total		ND		34	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		29 - 151
DCB Decachlorobiphenyl	60		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01004SS0613**

Lab Sample ID: 240-25749-4 Date Sampled: 06/12/2013 1025
Client Matrix: Solid % Moisture: 20.4 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.06 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0527			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		29 - 151
DCB Decachlorobiphenyl	52		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01005SS0613**

Lab Sample ID: 240-25749-5 Date Sampled: 06/12/2013 1020
Client Matrix: Solid % Moisture: 39.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0542			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		34	54
Aroclor 1221		ND		26	54
Aroclor 1232		ND		23	54
Aroclor 1242		28	J	21	54
Aroclor 1248		ND		28	54
Aroclor 1254		230		28	54
Aroclor 1260		ND		28	54
Polychlorinated biphenyls, Total		260		44	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	41		29 - 151
DCB Decachlorobiphenyl	54		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01005SS0613**

Lab Sample ID: 240-25749-5 Date Sampled: 06/12/2013 1020
Client Matrix: Solid % Moisture: 39.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.04 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0542			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50		29 - 151
DCB Decachlorobiphenyl	49		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01006SS060613**

Lab Sample ID: 240-25749-6 Date Sampled: 06/12/2013 1010
Client Matrix: Solid % Moisture: 33.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0557			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		32	50
Aroclor 1221		ND		24	50
Aroclor 1232		ND		21	50
Aroclor 1242		ND		20	50
Aroclor 1248		ND		26	50
Aroclor 1254		110		26	50
Aroclor 1260		ND		26	50
Polychlorinated biphenyls, Total		110		41	50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57		29 - 151
DCB Decachlorobiphenyl	83		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01006SS060613**

Lab Sample ID: 240-25749-6 Date Sampled: 06/12/2013 1010
Client Matrix: Solid % Moisture: 33.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.01 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0557			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	56		29 - 151
DCB Decachlorobiphenyl	51		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01006SS6120613**

Lab Sample ID: 240-25749-7 Date Sampled: 06/12/2013 1015
Client Matrix: Solid % Moisture: 21.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.14 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0611			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		27	42
Aroclor 1221		ND		20	42
Aroclor 1232		ND		18	42
Aroclor 1242		ND		17	42
Aroclor 1248		ND		22	42
Aroclor 1254		ND		22	42
Aroclor 1260		ND		22	42
Polychlorinated biphenyls, Total		ND		34	42

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	48		29 - 151
DCB Decachlorobiphenyl	44		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01006SS6120613**

Lab Sample ID: 240-25749-7 Date Sampled: 06/12/2013 1015
Client Matrix: Solid % Moisture: 21.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.14 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0611			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	48		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01007SS0613**

Lab Sample ID: 240-25749-8 Date Sampled: 06/12/2013 1005
Client Matrix: Solid % Moisture: 36.8 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.06 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0656			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		33	52
Aroclor 1221		ND		25	52
Aroclor 1232		ND		22	52
Aroclor 1242		ND		21	52
Aroclor 1248		ND		27	52
Aroclor 1254		ND		27	52
Aroclor 1260		56		27	52
Polychlorinated biphenyls, Total		56		43	52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	84		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01007SS0613**

Lab Sample ID: 240-25749-8 Date Sampled: 06/12/2013 1005
Client Matrix: Solid % Moisture: 36.8 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.06 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0656			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		29 - 151
DCB Decachlorobiphenyl	55		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01008SS060613**

Lab Sample ID: 240-25749-9 Date Sampled: 06/12/2013 0950
Client Matrix: Solid % Moisture: 31.4 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.09 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0711			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		31	48
Aroclor 1221		ND		23	48
Aroclor 1232		ND		20	48
Aroclor 1242		ND		19	48
Aroclor 1248		ND		25	48
Aroclor 1254		170		25	48
Aroclor 1260		ND		25	48
Polychlorinated biphenyls, Total		170		39	48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	49		29 - 151
DCB Decachlorobiphenyl	99		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01008SS060613**

Lab Sample ID: 240-25749-9 Date Sampled: 06/12/2013 0950
Client Matrix: Solid % Moisture: 31.4 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.09 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0711			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	53		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01009SS0613**

Lab Sample ID: 240-25749-10 Date Sampled: 06/12/2013 0945
Client Matrix: Solid % Moisture: 32.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0726			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		31	48
Aroclor 1221		ND		23	48
Aroclor 1232		ND		21	48
Aroclor 1242		ND		19	48
Aroclor 1248		ND		25	48
Aroclor 1254		170		25	48
Aroclor 1260		ND		25	48
Polychlorinated biphenyls, Total		170		40	48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	45		29 - 151
DCB Decachlorobiphenyl	78		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01009SS0613**

Lab Sample ID: 240-25749-10 Date Sampled: 06/12/2013 0945
Client Matrix: Solid % Moisture: 32.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.05 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0726			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	51		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02009SS0613**

Lab Sample ID: 240-25749-11 Date Sampled: 06/12/2013 1323
Client Matrix: Solid % Moisture: 29.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0740			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		30	47
Aroclor 1221		ND		23	47
Aroclor 1232		ND		20	47
Aroclor 1242		ND		18	47
Aroclor 1248		ND		24	47
Aroclor 1254		ND		24	47
Aroclor 1260		160		24	47
Polychlorinated biphenyls, Total		160		38	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	32		29 - 151
DCB Decachlorobiphenyl	558	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02009SS0613**

Lab Sample ID: 240-25749-11 Date Sampled: 06/12/2013 1323
Client Matrix: Solid % Moisture: 29.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0740			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	40		29 - 151
DCB Decachlorobiphenyl	33		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02010SS0613**

Lab Sample ID: 240-25749-12 Date Sampled: 06/12/2013 1315
Client Matrix: Solid % Moisture: 35.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.08 g
Dilution:	50			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0755			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		1600	2600
Aroclor 1221		ND		1200	2600
Aroclor 1232		ND		1100	2600
Aroclor 1242		ND		1000	2600
Aroclor 1248		ND		1300	2600
Aroclor 1254		ND		1300	2600
Aroclor 1260		7300		1300	2600
Polychlorinated biphenyls, Total		7300		2100	2600

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02010SS0613**

Lab Sample ID: 240-25749-12 Date Sampled: 06/12/2013 1315
Client Matrix: Solid % Moisture: 35.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.08 g
Dilution:	50			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0755			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02011SS0613**

Lab Sample ID: 240-25749-13 Date Sampled: 06/12/2013 1310
Client Matrix: Solid % Moisture: 30.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.05 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0810			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		150	240
Aroclor 1221		ND		120	240
Aroclor 1232		ND		100	240
Aroclor 1242		ND		93	240
Aroclor 1248		ND		120	240
Aroclor 1254		ND		120	240
Aroclor 1260		560		120	240
Polychlorinated biphenyls, Total		560		190	240

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	564	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02011SS0613**

Lab Sample ID: 240-25749-13 Date Sampled: 06/12/2013 1310
Client Matrix: Solid % Moisture: 30.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.05 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0810			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02012SS0613**

Lab Sample ID: 240-25749-14 Date Sampled: 06/12/2013 1305
Client Matrix: Solid % Moisture: 22.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.02 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0825			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		140	210
Aroclor 1221		ND		100	210
Aroclor 1232		ND		90	210
Aroclor 1242		ND		84	210
Aroclor 1248		ND		110	210
Aroclor 1254		310		110	210
Aroclor 1260		ND		110	210
Polychlorinated biphenyls, Total		310		170	210

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	251	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02012SS0613**

Lab Sample ID: 240-25749-14 Date Sampled: 06/12/2013 1305
Client Matrix: Solid % Moisture: 22.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.02 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0825			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	69		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02013SS0613**

Lab Sample ID: 240-25749-15 Date Sampled: 06/12/2013 1300
Client Matrix: Solid % Moisture: 31.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.11 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0840			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		150	240
Aroclor 1221		ND		120	240
Aroclor 1232		ND		100	240
Aroclor 1242		ND		94	240
Aroclor 1248		ND		120	240
Aroclor 1254		800		120	240
Aroclor 1260		ND		120	240
Polychlorinated biphenyls, Total		800		190	240

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	734	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02013SS0613**

Lab Sample ID: 240-25749-15 Date Sampled: 06/12/2013 1300
Client Matrix: Solid % Moisture: 31.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.11 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0840			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	73		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02014SS0613**

Lab Sample ID: 240-25749-16 Date Sampled: 06/12/2013 1250
Client Matrix: Solid % Moisture: 44.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.11 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0855			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		38	59
Aroclor 1221		ND		29	59
Aroclor 1232		ND		25	59
Aroclor 1242		ND		23	59
Aroclor 1248		ND		30	59
Aroclor 1254		ND		30	59
Aroclor 1260		250		30	59
Polychlorinated biphenyls, Total		250		48	59

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		29 - 151
DCB Decachlorobiphenyl	69		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02014SS0613**

Lab Sample ID: 240-25749-16 Date Sampled: 06/12/2013 1250
Client Matrix: Solid % Moisture: 44.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.11 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0855			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		29 - 151
DCB Decachlorobiphenyl	53		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02015SS0613**

Lab Sample ID: 240-25749-17 Date Sampled: 06/12/2013 1240
Client Matrix: Solid % Moisture: 24.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.03 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0939			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		140	220
Aroclor 1221		ND		110	220
Aroclor 1232		ND		93	220
Aroclor 1242		ND		86	220
Aroclor 1248		ND		110	220
Aroclor 1254		ND		110	220
Aroclor 1260		540		110	220
Polychlorinated biphenyls, Total		540		180	220

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	101		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02015SS0613**

Lab Sample ID: 240-25749-17 Date Sampled: 06/12/2013 1240
Client Matrix: Solid % Moisture: 24.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.03 g
Dilution:	5.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0939			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	71		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02002SS0613**

Lab Sample ID: 240-25749-18 Date Sampled: 06/12/2013 1442
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.17 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0954			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		25	39
Aroclor 1221		ND		19	39
Aroclor 1232		ND		17	39
Aroclor 1242		ND		15	39
Aroclor 1248		ND		20	39
Aroclor 1254		33	J	20	39
Aroclor 1260		ND		20	39
Polychlorinated biphenyls, Total		33	J	32	39

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		29 - 151
DCB Decachlorobiphenyl	83		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02002SS0613**

Lab Sample ID: 240-25749-18 Date Sampled: 06/12/2013 1442
Client Matrix: Solid % Moisture: 15.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.17 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 0954			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		29 - 151
DCB Decachlorobiphenyl	68		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02003SS0613**

Lab Sample ID: 240-25749-19 Date Sampled: 06/12/2013 1432
Client Matrix: Solid % Moisture: 39.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 1009			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		34	54
Aroclor 1221		ND		26	54
Aroclor 1232		ND		23	54
Aroclor 1242		ND		21	54
Aroclor 1248		ND		28	54
Aroclor 1254		51	J	28	54
Aroclor 1260		ND		28	54
Polychlorinated biphenyls, Total		51	J	44	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	436	X	29 - 151
DCB Decachlorobiphenyl	69		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02003SS0613**

Lab Sample ID: 240-25749-19 Date Sampled: 06/12/2013 1432
Client Matrix: Solid % Moisture: 39.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90820	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10.00 mL
Analysis Date:	06/25/2013 1009			Injection Volume:	1 uL
Prep Date:	06/21/2013 0953			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		29 - 151
DCB Decachlorobiphenyl	59		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02004SS0610613**

Lab Sample ID: 240-25749-20 Date Sampled: 06/12/2013 1410
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.62 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0406			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		31	49
Aroclor 1221		ND		24	49
Aroclor 1232		ND		21	49
Aroclor 1242		ND		19	49
Aroclor 1248		ND		25	49
Aroclor 1254		86		25	49
Aroclor 1260		ND		25	49
Polychlorinated biphenyls, Total		86		40	49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		29 - 151
DCB Decachlorobiphenyl	56		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02004SS0610613**

Lab Sample ID: 240-25749-20 Date Sampled: 06/12/2013 1410
Client Matrix: Solid % Moisture: 32.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.62 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0406			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	259	X	29 - 151
DCB Decachlorobiphenyl	72		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02004SS6120613**

Lab Sample ID: 240-25749-21 Date Sampled: 06/12/2013 1455
Client Matrix: Solid % Moisture: 45.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.10 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0421			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		38	60
Aroclor 1221		ND		29	60
Aroclor 1232		ND		25	60
Aroclor 1242		ND		24	60
Aroclor 1248		ND		31	60
Aroclor 1254		88		31	60
Aroclor 1260		ND		31	60
Polychlorinated biphenyls, Total		88		49	60

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	51		29 - 151
DCB Decachlorobiphenyl	45		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02004SS6120613**

Lab Sample ID: 240-25749-21 Date Sampled: 06/12/2013 1455
Client Matrix: Solid % Moisture: 45.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.10 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0421			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		29 - 151
DCB Decachlorobiphenyl	65		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02005SS0613**

Lab Sample ID: 240-25749-22 Date Sampled: 06/12/2013 1347
Client Matrix: Solid % Moisture: 21.2 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.88 g
Dilution:	2.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0436			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		53	84
Aroclor 1221		ND		41	84
Aroclor 1232		ND		36	84
Aroclor 1242		ND		33	84
Aroclor 1248		ND		43	84
Aroclor 1254		ND		43	84
Aroclor 1260		390		43	84
Polychlorinated biphenyls, Total		390		69	84

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02005SS0613**

Lab Sample ID: 240-25749-22 Date Sampled: 06/12/2013 1347
Client Matrix: Solid % Moisture: 21.2 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.88 g
Dilution:	2.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0436			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		29 - 151
DCB Decachlorobiphenyl	103		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02005SS0613H**

Lab Sample ID: 240-25749-23 Date Sampled: 06/12/2013 1348
Client Matrix: Solid % Moisture: 25.1 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.63 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0526			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		28	45
Aroclor 1221		ND		22	45
Aroclor 1232		ND		19	45
Aroclor 1242		ND		18	45
Aroclor 1248		ND		23	45
Aroclor 1254		ND		23	45
Aroclor 1260		230		23	45
Polychlorinated biphenyls, Total		230		37	45

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	53		29 - 151
DCB Decachlorobiphenyl	45		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02005SS0613H**

Lab Sample ID: 240-25749-23 Date Sampled: 06/12/2013 1348
Client Matrix: Solid % Moisture: 25.1 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.63 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0526			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	57		29 - 151
DCB Decachlorobiphenyl	51		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02006SS0613**

Lab Sample ID: 240-25749-24 Date Sampled: 06/12/2013 1341
Client Matrix: Solid % Moisture: 19.7 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.75 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0541			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		26	41
Aroclor 1221		ND		20	41
Aroclor 1232		ND		18	41
Aroclor 1242		ND		16	41
Aroclor 1248		ND		21	41
Aroclor 1254		ND		21	41
Aroclor 1260		130		21	41
Polychlorinated biphenyls, Total		130		34	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	40		29 - 151
DCB Decachlorobiphenyl	34		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02006SS0613**

Lab Sample ID: 240-25749-24 Date Sampled: 06/12/2013 1341
Client Matrix: Solid % Moisture: 19.7 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.75 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0541			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	32		29 - 151
DCB Decachlorobiphenyl	335	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02007SS0613**

Lab Sample ID: 240-25749-25 Date Sampled: 06/12/2013 1334
Client Matrix: Solid % Moisture: 13.1 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.86 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0556			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		24	38
Aroclor 1221		ND		18	38
Aroclor 1232		ND		16	38
Aroclor 1242		ND		15	38
Aroclor 1248		ND		20	38
Aroclor 1254		ND		20	38
Aroclor 1260		160		20	38
Polychlorinated biphenyls, Total		160		31	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	56		29 - 151
DCB Decachlorobiphenyl	40		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02007SS0613**

Lab Sample ID: 240-25749-25 Date Sampled: 06/12/2013 1334
Client Matrix: Solid % Moisture: 13.1 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.86 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0556			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50		29 - 151
DCB Decachlorobiphenyl	69		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02008SS0613**

Lab Sample ID: 240-25749-26 Date Sampled: 06/12/2013 1328
Client Matrix: Solid % Moisture: 12.8 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.88 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0611			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		24	38
Aroclor 1221		ND		18	38
Aroclor 1232		ND		16	38
Aroclor 1242		ND		15	38
Aroclor 1248		ND		20	38
Aroclor 1254		ND		20	38
Aroclor 1260		160		20	38
Polychlorinated biphenyls, Total		160		31	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		29 - 151
DCB Decachlorobiphenyl	54		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A02008SS0613**

Lab Sample ID: 240-25749-26 Date Sampled: 06/12/2013 1328
Client Matrix: Solid % Moisture: 12.8 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.88 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0611			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	52		29 - 151
DCB Decachlorobiphenyl	117		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01010SS060613**

Lab Sample ID: 240-25749-27 Date Sampled: 06/12/2013 0920
Client Matrix: Solid % Moisture: 55.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.89 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0655			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		47	74
Aroclor 1221		ND		36	74
Aroclor 1232		ND		31	74
Aroclor 1242		ND		29	74
Aroclor 1248		ND		38	74
Aroclor 1254		140		38	74
Aroclor 1260		ND		38	74
Polychlorinated biphenyls, Total		140		60	74

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	53		29 - 151
DCB Decachlorobiphenyl	51		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01010SS060613**

Lab Sample ID: 240-25749-27 Date Sampled: 06/12/2013 0920
Client Matrix: Solid % Moisture: 55.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.89 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0655			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	239	X	29 - 151
DCB Decachlorobiphenyl	56		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01010SS6120613**

Lab Sample ID: 240-25749-28 Date Sampled: 06/12/2013 0925
Client Matrix: Solid % Moisture: 29.4 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.50 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0710			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		30	48
Aroclor 1221		ND		23	48
Aroclor 1232		ND		20	48
Aroclor 1242		ND		19	48
Aroclor 1248		ND		25	48
Aroclor 1254		49		25	48
Aroclor 1260		ND		25	48
Polychlorinated biphenyls, Total		49		39	48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		29 - 151
DCB Decachlorobiphenyl	59		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01010SS6120613**

Lab Sample ID: 240-25749-28 Date Sampled: 06/12/2013 0925
Client Matrix: Solid % Moisture: 29.4 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.50 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0710			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		29 - 151
DCB Decachlorobiphenyl	51		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01011SS0613**

Lab Sample ID: 240-25749-29 Date Sampled: 06/12/2013 0910
Client Matrix: Solid % Moisture: 31.8 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.15 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0725			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		31	48
Aroclor 1221		ND		23	48
Aroclor 1232		ND		20	48
Aroclor 1242		ND		19	48
Aroclor 1248		ND		25	48
Aroclor 1254		ND		25	48
Aroclor 1260		100		25	48
Polychlorinated biphenyls, Total		100		39	48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	53		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01011SS0613**

Lab Sample ID: 240-25749-29 Date Sampled: 06/12/2013 0910
Client Matrix: Solid % Moisture: 31.8 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.15 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0725			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	44		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01012SS0613**

Lab Sample ID: 240-25749-30 Date Sampled: 06/12/2013 0900
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.36 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0740			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		29	45
Aroclor 1221		ND		22	45
Aroclor 1232		ND		19	45
Aroclor 1242		ND		18	45
Aroclor 1248		ND		23	45
Aroclor 1254		ND		23	45
Aroclor 1260		ND		23	45
Polychlorinated biphenyls, Total		ND		37	45

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		29 - 151
DCB Decachlorobiphenyl	57		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01012SS0613**

Lab Sample ID: 240-25749-30 Date Sampled: 06/12/2013 0900
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.36 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0740			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	70		29 - 151
DCB Decachlorobiphenyl	50		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01013SS0613**

Lab Sample ID: 240-25749-31 Date Sampled: 06/12/2013 0850
Client Matrix: Solid % Moisture: 42.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.98 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0755			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		36	57
Aroclor 1221		ND		28	57
Aroclor 1232		ND		24	57
Aroclor 1242		ND		23	57
Aroclor 1248		ND		29	57
Aroclor 1254		130		29	57
Aroclor 1260		ND		29	57
Polychlorinated biphenyls, Total		130		47	57

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		29 - 151
DCB Decachlorobiphenyl	53		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01013SS0613**

Lab Sample ID: 240-25749-31 Date Sampled: 06/12/2013 0850
Client Matrix: Solid % Moisture: 42.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.98 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0755			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	46		29 - 151
DCB Decachlorobiphenyl	52		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01014SS0613**

Lab Sample ID: 240-25749-32 Date Sampled: 06/12/2013 0835
Client Matrix: Solid % Moisture: 29.7 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.41 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0810			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		29	46
Aroclor 1221		ND		22	46
Aroclor 1232		ND		20	46
Aroclor 1242		ND		18	46
Aroclor 1248		ND		24	46
Aroclor 1254		54		24	46
Aroclor 1260		ND		24	46
Polychlorinated biphenyls, Total		54		38	46

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		29 - 151
DCB Decachlorobiphenyl	55		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01014SS0613**

Lab Sample ID: 240-25749-32 Date Sampled: 06/12/2013 0835
Client Matrix: Solid % Moisture: 29.7 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.41 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0810			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	217	X	29 - 151
DCB Decachlorobiphenyl	73		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01015SS0613**

Lab Sample ID: 240-25749-33 Date Sampled: 06/12/2013 0830
Client Matrix: Solid % Moisture: 38.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0825			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		34	54
Aroclor 1221		ND		26	54
Aroclor 1232		ND		23	54
Aroclor 1242		ND		21	54
Aroclor 1248		ND		28	54
Aroclor 1254		33	J	28	54
Aroclor 1260		ND		28	54
Polychlorinated biphenyls, Total		ND		44	54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		29 - 151
DCB Decachlorobiphenyl	57		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A01015SS0613**

Lab Sample ID: 240-25749-33 Date Sampled: 06/12/2013 0830
Client Matrix: Solid % Moisture: 38.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.00 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0825			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	50		29 - 151
DCB Decachlorobiphenyl	61		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03001SS0613**

Lab Sample ID: 240-25749-34 Date Sampled: 06/12/2013 1912
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.85 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0839			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		24	38
Aroclor 1221		ND		18	38
Aroclor 1232		ND		16	38
Aroclor 1242		ND		15	38
Aroclor 1248		ND		19	38
Aroclor 1254		ND		19	38
Aroclor 1260		40		19	38
Polychlorinated biphenyls, Total		40		31	38

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03001SS0613**

Lab Sample ID: 240-25749-34 Date Sampled: 06/12/2013 1912
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-92227	Instrument ID:	A2HP11
Prep Method:	3540C	Prep Batch:	240-91650	Initial Weight/Volume:	30.11 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	07/02/2013 0728	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	06/27/2013 0821			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND	H	120	190
Aroclor 1221		ND	H	90	190
Aroclor 1232		ND	H	79	190
Aroclor 1242		ND	H	73	190
Aroclor 1248		ND	H	96	190
Aroclor 1254		ND	H	96	190
Aroclor 1260		590	H	96	190
Polychlorinated biphenyls, Total		590	H	150	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		29 - 151
DCB Decachlorobiphenyl	99		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03001SS0613**

Lab Sample ID: 240-25749-34 Date Sampled: 06/12/2013 1912
Client Matrix: Solid % Moisture: 11.9 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-92227	Instrument ID:	A2HP11
Prep Method:	3540C	Prep Batch:	240-91650	Initial Weight/Volume:	30.11 g
Dilution:	5.0			Final Weight/Volume:	10 mL
Analysis Date:	07/02/2013 0728	Run Type:	RE	Injection Volume:	1 uL
Prep Date:	06/27/2013 0821			Result Type:	SECONDARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Polychlorinated biphenyls, Total		500	H	150	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		29 - 151

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03002SS0613**

Lab Sample ID: 240-25749-35 Date Sampled: 06/12/2013 1900
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.07 g
Dilution:	5.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0854			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		130	200
Aroclor 1221		ND		97	200
Aroclor 1232		ND		85	200
Aroclor 1242		ND		79	200
Aroclor 1248		ND		100	200
Aroclor 1254		ND		100	200
Aroclor 1260		720		100	200
Polychlorinated biphenyls, Total		720		160	200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	62		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03002SS0613**

Lab Sample ID: 240-25749-35 Date Sampled: 06/12/2013 1900
Client Matrix: Solid % Moisture: 17.9 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.07 g
Dilution:	5.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 0854			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	194	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03002SS0613H**

Lab Sample ID: 240-25749-36 Date Sampled: 06/12/2013 1900
Client Matrix: Solid % Moisture: 13.1 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.58 g
Dilution:	5.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 1009			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		120	190
Aroclor 1221		ND		93	190
Aroclor 1232		ND		82	190
Aroclor 1242		ND		76	190
Aroclor 1248		ND		99	190
Aroclor 1254		ND		99	190
Aroclor 1260		600		99	190
Polychlorinated biphenyls, Total		600		160	190

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	61		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03002SS0613H**

Lab Sample ID: 240-25749-36 Date Sampled: 06/12/2013 1900
Client Matrix: Solid % Moisture: 13.1 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	29.58 g
Dilution:	5.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 1009			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	248	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03003SS0613**

Lab Sample ID: 240-25749-37 Date Sampled: 06/12/2013 1845
Client Matrix: Solid % Moisture: 22.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.22 g
Dilution:	5.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 1024			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		130	210
Aroclor 1221		ND		100	210
Aroclor 1232		ND		89	210
Aroclor 1242		ND		83	210
Aroclor 1248		ND		110	210
Aroclor 1254		ND		110	210
Aroclor 1260		510		110	210
Polychlorinated biphenyls, Total		510		170	210

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03003SS0613**

Lab Sample ID: 240-25749-37 Date Sampled: 06/12/2013 1845
Client Matrix: Solid % Moisture: 22.0 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Prep Method:	3540C	Prep Batch:	240-90821	Initial Weight/Volume:	30.22 g
Dilution:	5.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/26/2013 1024			Injection Volume:	1 uL
Prep Date:	06/21/2013 0954			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03004SS0613**

Lab Sample ID: 240-25749-38 Date Sampled: 06/12/2013 1835
Client Matrix: Solid % Moisture: 25.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.25 g
Dilution:	2.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1143			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		56	88
Aroclor 1221		ND		43	88
Aroclor 1232		ND		37	88
Aroclor 1242		ND		35	88
Aroclor 1248		ND		45	88
Aroclor 1254		ND		45	88
Aroclor 1260		420		45	88
Polychlorinated biphenyls, Total		420		72	88

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	58		29 - 151
DCB Decachlorobiphenyl	61		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03004SS0613**

Lab Sample ID: 240-25749-38 Date Sampled: 06/12/2013 1835
Client Matrix: Solid % Moisture: 25.6 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.25 g
Dilution:	2.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1143			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	147		29 - 151
DCB Decachlorobiphenyl	296	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03002ASS0613**

Lab Sample ID: 240-25749-39 Date Sampled: 06/12/2013 1930
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	29.61 g
Dilution:	50			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1158			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		1500	2300
Aroclor 1221		ND		1100	2300
Aroclor 1232		ND		990	2300
Aroclor 1242		ND		920	2300
Aroclor 1248		ND		1200	2300
Aroclor 1254		ND		1200	2300
Aroclor 1260		8300		1200	2300
Polychlorinated biphenyls, Total		8300		1900	2300

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03002ASS0613**

Lab Sample ID: 240-25749-39 Date Sampled: 06/12/2013 1930
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	29.61 g
Dilution:	50			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1158			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03005SS0613**

Lab Sample ID: 240-25749-40 Date Sampled: 06/13/2013 0844
Client Matrix: Solid % Moisture: 25.7 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	29.70 g
Dilution:	50			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1212			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		1400	2200
Aroclor 1221		ND		1100	2200
Aroclor 1232		ND		950	2200
Aroclor 1242		ND		880	2200
Aroclor 1248		ND		1200	2200
Aroclor 1254		ND		1200	2200
Aroclor 1260		5800		1200	2200
Polychlorinated biphenyls, Total		5800		1800	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03005SS0613**

Lab Sample ID: 240-25749-40 Date Sampled: 06/13/2013 0844
Client Matrix: Solid % Moisture: 25.7 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	29.70 g
Dilution:	50			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1212			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	0	X	29 - 151
DCB Decachlorobiphenyl	0	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03006SS0613**

Lab Sample ID: 240-25749-41 Date Sampled: 06/13/2013 0853
Client Matrix: Solid % Moisture: 31.2 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.02 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1227			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		31	48
Aroclor 1221		ND		23	48
Aroclor 1232		ND		20	48
Aroclor 1242		ND		19	48
Aroclor 1248		ND		25	48
Aroclor 1254		ND		25	48
Aroclor 1260		57		25	48
Polychlorinated biphenyls, Total		57		39	48

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		29 - 151
DCB Decachlorobiphenyl	69		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03006SS0613**

Lab Sample ID: 240-25749-41 Date Sampled: 06/13/2013 0853
Client Matrix: Solid % Moisture: 31.2 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.02 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1227			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	69		29 - 151
DCB Decachlorobiphenyl	75		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03006SS0613H**

Lab Sample ID: 240-25749-42 Date Sampled: 06/13/2013 0853
Client Matrix: Solid % Moisture: 29.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.14 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1310			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		30	46
Aroclor 1221		ND		23	46
Aroclor 1232		ND		20	46
Aroclor 1242		ND		18	46
Aroclor 1248		ND		24	46
Aroclor 1254		ND		24	46
Aroclor 1260		79		24	46
Polychlorinated biphenyls, Total		79		38	46

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		29 - 151
DCB Decachlorobiphenyl	72		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03006SS0613H**

Lab Sample ID: 240-25749-42 Date Sampled: 06/13/2013 0853
Client Matrix: Solid % Moisture: 29.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.14 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1310			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		29 - 151
DCB Decachlorobiphenyl	76		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03007SS0613**

Lab Sample ID: 240-25749-43 Date Sampled: 06/13/2013 0908
Client Matrix: Solid % Moisture: 32.9 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.49 g
Dilution:	2.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1325			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		62	97
Aroclor 1221		ND		47	97
Aroclor 1232		ND		41	97
Aroclor 1242		ND		38	97
Aroclor 1248		ND		50	97
Aroclor 1254		ND		50	97
Aroclor 1260		720		50	97
Polychlorinated biphenyls, Total		720		79	97

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	64		29 - 151
DCB Decachlorobiphenyl	95		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03007SS0613**

Lab Sample ID: 240-25749-43 Date Sampled: 06/13/2013 0908
Client Matrix: Solid % Moisture: 32.9 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.49 g
Dilution:	2.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1325			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	71		29 - 151
DCB Decachlorobiphenyl	152		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03008SS0613**

Lab Sample ID: 240-25749-44 Date Sampled: 06/13/2013 0930
Client Matrix: Solid % Moisture: 30.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.26 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1340			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		30	47
Aroclor 1221		ND		23	47
Aroclor 1232		ND		20	47
Aroclor 1242		ND		19	47
Aroclor 1248		ND		24	47
Aroclor 1254		ND		24	47
Aroclor 1260		350		24	47
Polychlorinated biphenyls, Total		350		38	47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		29 - 151
DCB Decachlorobiphenyl	77		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03008SS0613**

Lab Sample ID: 240-25749-44 Date Sampled: 06/13/2013 0930
Client Matrix: Solid % Moisture: 30.5 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.26 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 1340			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		29 - 151
DCB Decachlorobiphenyl	123		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03009SS0613**

Lab Sample ID: 240-25749-45 Date Sampled: 06/13/2013 0945
Client Matrix: Solid % Moisture: 42.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.34 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 0648			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		36	57
Aroclor 1221		ND		27	57
Aroclor 1232		ND		24	57
Aroclor 1242		ND		22	57
Aroclor 1248		ND		29	57
Aroclor 1254		ND		29	57
Aroclor 1260		600		29	57
Polychlorinated biphenyls, Total		600		46	57

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	49		29 - 151
DCB Decachlorobiphenyl	58		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Client Sample ID: **A03009SS0613**

Lab Sample ID: 240-25749-45 Date Sampled: 06/13/2013 0945
Client Matrix: Solid % Moisture: 42.3 Date Received: 06/14/2013 0920

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-90841	Initial Weight/Volume:	30.34 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/25/2013 0648			Injection Volume:	1 uL
Prep Date:	06/21/2013 1105			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		29 - 151
DCB Decachlorobiphenyl	283	X	14 - 163

General Chemistry

Client Sample ID: **A01001SS0613**

Lab Sample ID: 240-25749-1 Date Sampled: 06/12/2013 1041

Client Matrix: Solid % Moisture: 29.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	11000		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1111						DryWt Corrected: Y
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01002SS0613**

Lab Sample ID: 240-25749-2 Date Sampled: 06/12/2013 1038

Client Matrix: Solid % Moisture: 24.2 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	15000		mg/Kg	120	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1121						DryWt Corrected: Y
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01003SS0613**

Lab Sample ID: 240-25749-3 Date Sampled: 06/12/2013 1032

Client Matrix: Solid % Moisture: 35.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	18000		mg/Kg	140	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1132						DryWt Corrected: Y
Percent Solids	65		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	35		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01004SS0613**

Lab Sample ID: 240-25749-4 Date Sampled: 06/12/2013 1025

Client Matrix: Solid % Moisture: 20.4 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	6300		mg/Kg	110	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1142						DryWt Corrected: Y
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01005SS0613**

Lab Sample ID: 240-25749-5 Date Sampled: 06/12/2013 1020

Client Matrix: Solid % Moisture: 39.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	30000		mg/Kg	150	1600	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1153						DryWt Corrected: Y
Percent Solids	61		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	39		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01006SS060613**

Lab Sample ID: 240-25749-6 Date Sampled: 06/12/2013 1010

Client Matrix: Solid % Moisture: 33.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	27000		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1203						DryWt Corrected: Y
Percent Solids	66		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	34		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01006SS6120613**

Lab Sample ID: 240-25749-7 Date Sampled: 06/12/2013 1015

Client Matrix: Solid % Moisture: 21.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	11000		mg/Kg	110	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1045						DryWt Corrected: Y
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01007SS0613**

Lab Sample ID: 240-25749-8 Date Sampled: 06/12/2013 1005

Client Matrix: Solid % Moisture: 36.8 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	30000		mg/Kg	140	1600	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1224						DryWt Corrected: Y
Percent Solids	63		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	37		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01008SS060613**

Lab Sample ID: 240-25749-9 Date Sampled: 06/12/2013 0950

Client Matrix: Solid % Moisture: 31.4 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	22000		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1235						DryWt Corrected: Y
Percent Solids	69		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	31		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01009SS0613**

Lab Sample ID: 240-25749-10 Date Sampled: 06/12/2013 0945

Client Matrix: Solid % Moisture: 32.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1317						DryWt Corrected: Y
Percent Solids	68		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	32		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02009SS0613**

Lab Sample ID: 240-25749-11 Date Sampled: 06/12/2013 1323

Client Matrix: Solid % Moisture: 29.5 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1328						DryWt Corrected: Y
Percent Solids	71		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	29		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02010SS0613**

Lab Sample ID: 240-25749-12 Date Sampled: 06/12/2013 1315
Client Matrix: Solid % Moisture: 35.5 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	140	1600	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1338						DryWt Corrected: Y
Percent Solids	64		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	36		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02011SS0613**

Lab Sample ID: 240-25749-13 Date Sampled: 06/12/2013 1310

Client Matrix: Solid % Moisture: 30.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	28000		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1349						DryWt Corrected: Y
Percent Solids	69		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	31		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02012SS0613**

Lab Sample ID: 240-25749-14 Date Sampled: 06/12/2013 1305

Client Matrix: Solid % Moisture: 22.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	65000		mg/Kg	110	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1359						DryWt Corrected: Y
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02013SS0613**

Lab Sample ID: 240-25749-15 Date Sampled: 06/12/2013 1300

Client Matrix: Solid % Moisture: 31.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	41000		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1420						DryWt Corrected: Y
Percent Solids	69		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	31		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02014SS0613**

Lab Sample ID: 240-25749-16 Date Sampled: 06/12/2013 1250

Client Matrix: Solid % Moisture: 44.3 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	28000		mg/Kg	160	1800	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1431						DryWt Corrected: Y
Percent Solids	56		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	44		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02015SS0613**

Lab Sample ID: 240-25749-17 Date Sampled: 06/12/2013 1240

Client Matrix: Solid % Moisture: 24.5 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	120	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1441						DryWt Corrected: Y
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02002SS0613**

Lab Sample ID: 240-25749-18 Date Sampled: 06/12/2013 1442

Client Matrix: Solid % Moisture: 15.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	47000		mg/Kg	110	1200	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1452						DryWt Corrected: Y
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02003SS0613**

Lab Sample ID: 240-25749-19 Date Sampled: 06/12/2013 1432

Client Matrix: Solid % Moisture: 39.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	15000		mg/Kg	150	1600	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1502						DryWt Corrected: Y
Percent Solids	61		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	39		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02004SS0610613**

Lab Sample ID: 240-25749-20 Date Sampled: 06/12/2013 1410

Client Matrix: Solid % Moisture: 32.3 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	21000		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1513						DryWt Corrected: Y
Percent Solids	68		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	32		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02004SS6120613**

Lab Sample ID: 240-25749-21 Date Sampled: 06/12/2013 1455

Client Matrix: Solid % Moisture: 45.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	27000		mg/Kg	160	1800	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1544						DryWt Corrected: Y
Percent Solids	55		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	45		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02005SS0613**

Lab Sample ID: 240-25749-22 Date Sampled: 06/12/2013 1347

Client Matrix: Solid % Moisture: 21.2 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	22000		mg/Kg	110	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1610						DryWt Corrected: Y
Percent Solids	79		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	21		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02005SS0613H**

Lab Sample ID: 240-25749-23 Date Sampled: 06/12/2013 1348

Client Matrix: Solid % Moisture: 25.1 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	8000		mg/Kg	120	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1621						DryWt Corrected: Y
Percent Solids	75		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02006SS0613**

Lab Sample ID: 240-25749-24 Date Sampled: 06/12/2013 1341

Client Matrix: Solid % Moisture: 19.7 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	69000		mg/Kg	110	1200	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1631						DryWt Corrected: Y
Percent Solids	80		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	20		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02007SS0613**

Lab Sample ID: 240-25749-25 Date Sampled: 06/12/2013 1334

Client Matrix: Solid % Moisture: 13.1 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	44000		mg/Kg	100	1200	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1642						DryWt Corrected: Y
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A02008SS0613**

Lab Sample ID: 240-25749-26 Date Sampled: 06/12/2013 1328

Client Matrix: Solid % Moisture: 12.8 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	60000		mg/Kg	100	1100	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1652						DryWt Corrected: Y
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01010SS060613**

Lab Sample ID: 240-25749-27 Date Sampled: 06/12/2013 0920

Client Matrix: Solid % Moisture: 55.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	34000		mg/Kg	200	2200	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1703						DryWt Corrected: Y
Percent Solids	45		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	55		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01010SS6120613**

Lab Sample ID: 240-25749-28 Date Sampled: 06/12/2013 0925

Client Matrix: Solid % Moisture: 29.4 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	14000		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1724						DryWt Corrected: Y
Percent Solids	71		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	29		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01011SS0613**

Lab Sample ID: 240-25749-29 Date Sampled: 06/12/2013 0910

Client Matrix: Solid % Moisture: 31.8 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1806						DryWt Corrected: Y
Percent Solids	68		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	32		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01012SS0613**

Lab Sample ID: 240-25749-30 Date Sampled: 06/12/2013 0900

Client Matrix: Solid % Moisture: 27.5 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	8700		mg/Kg	120	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1816						DryWt Corrected: Y
Percent Solids	73		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01013SS0613**

Lab Sample ID: 240-25749-31 Date Sampled: 06/12/2013 0850

Client Matrix: Solid % Moisture: 42.3 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	33000		mg/Kg	150	1700	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1827						DryWt Corrected: Y
Percent Solids	58		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	42		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01014SS0613**

Lab Sample ID: 240-25749-32 Date Sampled: 06/12/2013 0835

Client Matrix: Solid % Moisture: 29.7 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	8200		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1838						DryWt Corrected: Y
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A01015SS0613**

Lab Sample ID: 240-25749-33 Date Sampled: 06/12/2013 0830

Client Matrix: Solid % Moisture: 38.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	30000		mg/Kg	140	1600	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1848						DryWt Corrected: Y
Percent Solids	61		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	39		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03001SS0613**

Lab Sample ID: 240-25749-34 Date Sampled: 06/12/2013 1912

Client Matrix: Solid % Moisture: 11.9 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	35000		mg/Kg	100	1100	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1859						DryWt Corrected: Y
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03002SS0613**

Lab Sample ID: 240-25749-35 Date Sampled: 06/12/2013 1900

Client Matrix: Solid % Moisture: 17.9 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	53000		mg/Kg	110	1200	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1920						DryWt Corrected: Y
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03002SS0613H**

Lab Sample ID: 240-25749-36 Date Sampled: 06/12/2013 1900

Client Matrix: Solid % Moisture: 13.1 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	48000		mg/Kg	100	1200	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1930						DryWt Corrected: Y
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03003SS0613**

Lab Sample ID: 240-25749-37 Date Sampled: 06/12/2013 1845

Client Matrix: Solid % Moisture: 22.0 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	17000		mg/Kg	110	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1941						DryWt Corrected: Y
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03004SS0613**

Lab Sample ID: 240-25749-38 Date Sampled: 06/12/2013 1835
Client Matrix: Solid % Moisture: 25.6 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	22000		mg/Kg	120	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 1951						DryWt Corrected: Y
Percent Solids	74		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	26		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03002ASS0613**

Lab Sample ID: 240-25749-39 Date Sampled: 06/12/2013 1930
Client Matrix: Solid % Moisture: 28.3 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	36000		mg/Kg	120	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 2002						DryWt Corrected: Y
Percent Solids	72		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	28		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03005SS0613**

Lab Sample ID: 240-25749-40 Date Sampled: 06/13/2013 0844

Client Matrix: Solid % Moisture: 25.7 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	30000		mg/Kg	120	1300	1.0	Lloyd Kahn
Analysis Batch: 180-76023	Analysis Date: 06/26/2013 2012						DryWt Corrected: Y
Percent Solids	74		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	26		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03006SS0613**

Lab Sample ID: 240-25749-41 Date Sampled: 06/13/2013 0853

Client Matrix: Solid % Moisture: 31.2 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	16000		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 1924						DryWt Corrected: Y
Percent Solids	69		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	31		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03006SS0613H**

Lab Sample ID: 240-25749-42 Date Sampled: 06/13/2013 0853
Client Matrix: Solid % Moisture: 29.3 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	15000		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 1950						DryWt Corrected: Y
Percent Solids	71		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	29		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03007SS0613**

Lab Sample ID: 240-25749-43 Date Sampled: 06/13/2013 0908

Client Matrix: Solid % Moisture: 32.9 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 2032						DryWt Corrected: Y
Percent Solids	67		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	33		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03008SS0613**

Lab Sample ID: 240-25749-44 Date Sampled: 06/13/2013 0930

Client Matrix: Solid % Moisture: 30.5 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	6300		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 2043						DryWt Corrected: Y
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03009SS0613**

Lab Sample ID: 240-25749-45 Date Sampled: 06/13/2013 0945

Client Matrix: Solid % Moisture: 42.3 Date Received: 06/14/2013 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	36000		mg/Kg	150	1700	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 2104						DryWt Corrected: Y
Percent Solids	58		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N
Percent Moisture	42		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90374	Analysis Date: 06/18/2013 1525						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Section	Qualifier	Description
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
General Chemistry		
	F	Duplicate RPD exceeds the control limit
	F	MS or MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-90820					
LCS 240-90820/23-A	Lab Control Sample	T	Solid	3540C	
MB 240-90820/22-A	Method Blank	T	Solid	3540C	
240-25749-1	A01001SS0613	T	Solid	3540C	
240-25749-1MS	Matrix Spike	T	Solid	3540C	
240-25749-1MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-25749-2	A01002SS0613	T	Solid	3540C	
240-25749-3	A01003SS0613	T	Solid	3540C	
240-25749-4	A01004SS0613	T	Solid	3540C	
240-25749-5	A01005SS0613	T	Solid	3540C	
240-25749-6	A01006SS060613	T	Solid	3540C	
240-25749-7	A01006SS6120613	T	Solid	3540C	
240-25749-8	A01007SS0613	T	Solid	3540C	
240-25749-9	A01008SS060613	T	Solid	3540C	
240-25749-10	A01009SS0613	T	Solid	3540C	
240-25749-11	A02009SS0613	T	Solid	3540C	
240-25749-12	A02010SS0613	T	Solid	3540C	
240-25749-13	A02011SS0613	T	Solid	3540C	
240-25749-14	A02012SS0613	T	Solid	3540C	
240-25749-15	A02013SS0613	T	Solid	3540C	
240-25749-16	A02014SS0613	T	Solid	3540C	
240-25749-17	A02015SS0613	T	Solid	3540C	
240-25749-18	A02002SS0613	T	Solid	3540C	
240-25749-19	A02003SS0613	T	Solid	3540C	

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-90821					
LCS 240-90821/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-90821/23-A	Method Blank	T	Solid	3540C	
240-25749-20	A02004SS0610613	T	Solid	3540C	
240-25749-21	A02004SS6120613	T	Solid	3540C	
240-25749-22	A02005SS0613	T	Solid	3540C	
240-25749-22MS	Matrix Spike	T	Solid	3540C	
240-25749-22MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-25749-23	A02005SS0613H	T	Solid	3540C	
240-25749-24	A02006SS0613	T	Solid	3540C	
240-25749-25	A02007SS0613	T	Solid	3540C	
240-25749-26	A02008SS0613	T	Solid	3540C	
240-25749-27	A01010SS060613	T	Solid	3540C	
240-25749-28	A01010SS6120613	T	Solid	3540C	
240-25749-29	A01011SS0613	T	Solid	3540C	
240-25749-30	A01012SS0613	T	Solid	3540C	
240-25749-31	A01013SS0613	T	Solid	3540C	
240-25749-32	A01014SS0613	T	Solid	3540C	
240-25749-33	A01015SS0613	T	Solid	3540C	
240-25749-34	A03001SS0613	T	Solid	3540C	
240-25749-35	A03002SS0613	T	Solid	3540C	
240-25749-35MS	Matrix Spike	T	Solid	3540C	
240-25749-35MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-25749-36	A03002SS0613H	T	Solid	3540C	
240-25749-37	A03003SS0613	T	Solid	3540C	
Prep Batch: 240-90841					
LCS 240-90841/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-90841/23-A	Method Blank	T	Solid	3540C	
240-25749-38	A03004SS0613	T	Solid	3540C	
240-25749-39	A03002ASS0613	T	Solid	3540C	
240-25749-40	A03005SS0613	T	Solid	3540C	
240-25749-41	A03006SS0613	T	Solid	3540C	
240-25749-41MS	Matrix Spike	T	Solid	3540C	
240-25749-41MSD	Matrix Spike Duplicate	T	Solid	3540C	
240-25749-42	A03006SS0613H	T	Solid	3540C	
240-25749-43	A03007SS0613	T	Solid	3540C	
240-25749-44	A03008SS0613	T	Solid	3540C	
240-25749-45	A03009SS0613	T	Solid	3540C	

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-91191					
PB 240-91191/2	Preparation / Extraction Blank	T	Solid	8082	
LCS 240-90841/24-A	Lab Control Sample	T	Solid	8082	240-90841
MB 240-90841/23-A	Method Blank	T	Solid	8082	240-90841
240-25749-38	A03004SS0613	T	Solid	8082	240-90841
240-25749-39	A03002ASS0613	T	Solid	8082	240-90841
240-25749-40	A03005SS0613	T	Solid	8082	240-90841
240-25749-41	A03006SS0613	T	Solid	8082	240-90841
240-25749-41MS	Matrix Spike	T	Solid	8082	240-90841
240-25749-41MSD	Matrix Spike Duplicate	T	Solid	8082	240-90841
240-25749-42	A03006SS0613H	T	Solid	8082	240-90841
240-25749-43	A03007SS0613	T	Solid	8082	240-90841
240-25749-44	A03008SS0613	T	Solid	8082	240-90841
240-25749-45	A03009SS0613	T	Solid	8082	240-90841
Analysis Batch:240-91193					
PB 240-91193/2	Preparation / Extraction Blank	T	Solid	8082	
LCS 240-90820/23-A	Lab Control Sample	T	Solid	8082	240-90820
MB 240-90820/22-A	Method Blank	T	Solid	8082	240-90820
240-25749-1	A01001SS0613	T	Solid	8082	240-90820
240-25749-1MS	Matrix Spike	T	Solid	8082	240-90820
240-25749-1MSD	Matrix Spike Duplicate	T	Solid	8082	240-90820
240-25749-2	A01002SS0613	T	Solid	8082	240-90820
240-25749-3	A01003SS0613	T	Solid	8082	240-90820
240-25749-4	A01004SS0613	T	Solid	8082	240-90820
240-25749-5	A01005SS0613	T	Solid	8082	240-90820
240-25749-6	A01006SS060613	T	Solid	8082	240-90820
240-25749-7	A01006SS6120613	T	Solid	8082	240-90820
240-25749-8	A01007SS0613	T	Solid	8082	240-90820
240-25749-9	A01008SS060613	T	Solid	8082	240-90820
240-25749-10	A01009SS0613	T	Solid	8082	240-90820
240-25749-11	A02009SS0613	T	Solid	8082	240-90820
240-25749-12	A02010SS0613	T	Solid	8082	240-90820
240-25749-13	A02011SS0613	T	Solid	8082	240-90820
240-25749-14	A02012SS0613	T	Solid	8082	240-90820
240-25749-15	A02013SS0613	T	Solid	8082	240-90820
240-25749-16	A02014SS0613	T	Solid	8082	240-90820
240-25749-17	A02015SS0613	T	Solid	8082	240-90820
240-25749-18	A02002SS0613	T	Solid	8082	240-90820
240-25749-19	A02003SS0613	T	Solid	8082	240-90820

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:240-91402					
PB 240-91402/2	Preparation / Extraction Blank	T	Solid	8082	
LCS 240-90821/24-A	Lab Control Sample	T	Solid	8082	240-90821
MB 240-90821/23-A	Method Blank	T	Solid	8082	240-90821
240-25749-20	A02004SS0610613	T	Solid	8082	240-90821
240-25749-21	A02004SS6120613	T	Solid	8082	240-90821
240-25749-22	A02005SS0613	T	Solid	8082	240-90821
240-25749-22MS	Matrix Spike	T	Solid	8082	240-90821
240-25749-22MSD	Matrix Spike Duplicate	T	Solid	8082	240-90821
240-25749-23	A02005SS0613H	T	Solid	8082	240-90821
240-25749-24	A02006SS0613	T	Solid	8082	240-90821
240-25749-25	A02007SS0613	T	Solid	8082	240-90821
240-25749-26	A02008SS0613	T	Solid	8082	240-90821
240-25749-27	A01010SS060613	T	Solid	8082	240-90821
240-25749-28	A01010SS6120613	T	Solid	8082	240-90821
240-25749-29	A01011SS0613	T	Solid	8082	240-90821
240-25749-30	A01012SS0613	T	Solid	8082	240-90821
240-25749-31	A01013SS0613	T	Solid	8082	240-90821
240-25749-32	A01014SS0613	T	Solid	8082	240-90821
240-25749-33	A01015SS0613	T	Solid	8082	240-90821
240-25749-34	A03001SS0613	T	Solid	8082	240-90821
240-25749-35	A03002SS0613	T	Solid	8082	240-90821
240-25749-35MS	Matrix Spike	T	Solid	8082	240-90821
240-25749-35MSD	Matrix Spike Duplicate	T	Solid	8082	240-90821
240-25749-36	A03002SS0613H	T	Solid	8082	240-90821
240-25749-37	A03003SS0613	T	Solid	8082	240-90821
Prep Batch: 240-91650					
LCS 240-91650/24-A	Lab Control Sample	T	Solid	3540C	
MB 240-91650/23-A	Method Blank	T	Solid	3540C	
240-25749-34RE	A03001SS0613	T	Solid	3540C	
Analysis Batch:240-92048					
LCS 240-91650/24-A	Lab Control Sample	T	Solid	8082	240-91650
Analysis Batch:240-92227					
MB 240-91650/23-A	Method Blank	T	Solid	8082	240-91650
240-25749-34RE	A03001SS0613	T	Solid	8082	240-91650

Report Basis

T = Total

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:180-76023					
LCS 180-76023/4	Lab Control Sample	T	Solid	Lloyd Kahn	
LCS 180-76023/58	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 180-76023/3	Method Blank	T	Solid	Lloyd Kahn	
MB 180-76023/57	Method Blank	T	Solid	Lloyd Kahn	
240-25749-1	A01001SS0613	T	Solid	Lloyd Kahn	
240-25749-2	A01002SS0613	T	Solid	Lloyd Kahn	
240-25749-3	A01003SS0613	T	Solid	Lloyd Kahn	
240-25749-4	A01004SS0613	T	Solid	Lloyd Kahn	
240-25749-5	A01005SS0613	T	Solid	Lloyd Kahn	
240-25749-6	A01006SS060613	T	Solid	Lloyd Kahn	
240-25749-7	A01006SS6120613	T	Solid	Lloyd Kahn	
240-25749-8	A01007SS0613	T	Solid	Lloyd Kahn	
240-25749-9	A01008SS060613	T	Solid	Lloyd Kahn	
240-25749-9DU	Duplicate	T	Solid	Lloyd Kahn	
240-25749-9MS	Matrix Spike	T	Solid	Lloyd Kahn	
240-25749-9MSD	Matrix Spike Duplicate	T	Solid	Lloyd Kahn	
240-25749-10	A01009SS0613	T	Solid	Lloyd Kahn	
240-25749-11	A02009SS0613	T	Solid	Lloyd Kahn	
240-25749-12	A02010SS0613	T	Solid	Lloyd Kahn	
240-25749-13	A02011SS0613	T	Solid	Lloyd Kahn	
240-25749-14	A02012SS0613	T	Solid	Lloyd Kahn	
240-25749-15	A02013SS0613	T	Solid	Lloyd Kahn	
240-25749-16	A02014SS0613	T	Solid	Lloyd Kahn	
240-25749-17	A02015SS0613	T	Solid	Lloyd Kahn	
240-25749-18	A02002SS0613	T	Solid	Lloyd Kahn	
240-25749-19	A02003SS0613	T	Solid	Lloyd Kahn	
240-25749-20	A02004SS0610613	T	Solid	Lloyd Kahn	
240-25749-21	A02004SS6120613	T	Solid	Lloyd Kahn	
240-25749-22	A02005SS0613	T	Solid	Lloyd Kahn	
240-25749-23	A02005SS0613H	T	Solid	Lloyd Kahn	
240-25749-24	A02006SS0613	T	Solid	Lloyd Kahn	
240-25749-25	A02007SS0613	T	Solid	Lloyd Kahn	
240-25749-26	A02008SS0613	T	Solid	Lloyd Kahn	
240-25749-27	A01010SS060613	T	Solid	Lloyd Kahn	
240-25749-28	A01010SS6120613	T	Solid	Lloyd Kahn	
240-25749-28DU	Duplicate	T	Solid	Lloyd Kahn	
240-25749-28MS	Matrix Spike	T	Solid	Lloyd Kahn	
240-25749-28MSD	Matrix Spike Duplicate	T	Solid	Lloyd Kahn	
240-25749-29	A01011SS0613	T	Solid	Lloyd Kahn	
240-25749-30	A01012SS0613	T	Solid	Lloyd Kahn	
240-25749-31	A01013SS0613	T	Solid	Lloyd Kahn	
240-25749-32	A01014SS0613	T	Solid	Lloyd Kahn	
240-25749-33	A01015SS0613	T	Solid	Lloyd Kahn	
240-25749-34	A03001SS0613	T	Solid	Lloyd Kahn	
240-25749-35	A03002SS0613	T	Solid	Lloyd Kahn	
240-25749-36	A03002SS0613H	T	Solid	Lloyd Kahn	

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:180-76023					
240-25749-37	A03003SS0613	T	Solid	Lloyd Kahn	
240-25749-38	A03004SS0613	T	Solid	Lloyd Kahn	
240-25749-39	A03002ASS0613	T	Solid	Lloyd Kahn	
240-25749-40	A03005SS0613	T	Solid	Lloyd Kahn	
Analysis Batch:180-76161					
LCS 180-76161/57	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 180-76161/56	Method Blank	T	Solid	Lloyd Kahn	
240-25749-41	A03006SS0613	T	Solid	Lloyd Kahn	
240-25749-42	A03006SS0613H	T	Solid	Lloyd Kahn	
240-25749-42DU	Duplicate	T	Solid	Lloyd Kahn	
240-25749-42MS	Matrix Spike	T	Solid	Lloyd Kahn	
240-25749-42MSD	Matrix Spike Duplicate	T	Solid	Lloyd Kahn	
240-25749-43	A03007SS0613	T	Solid	Lloyd Kahn	
240-25749-44	A03008SS0613	T	Solid	Lloyd Kahn	
240-25749-45	A03009SS0613	T	Solid	Lloyd Kahn	

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-90374					
240-25749-1	A01001SS0613	T	Solid	Moisture	
240-25749-1DU	Duplicate	T	Solid	Moisture	
240-25749-2	A01002SS0613	T	Solid	Moisture	
240-25749-3	A01003SS0613	T	Solid	Moisture	
240-25749-4	A01004SS0613	T	Solid	Moisture	
240-25749-5	A01005SS0613	T	Solid	Moisture	
240-25749-6	A01006SS060613	T	Solid	Moisture	
240-25749-7	A01006SS6120613	T	Solid	Moisture	
240-25749-8	A01007SS0613	T	Solid	Moisture	
240-25749-9	A01008SS060613	T	Solid	Moisture	
240-25749-10	A01009SS0613	T	Solid	Moisture	
240-25749-11	A02009SS0613	T	Solid	Moisture	
240-25749-11DU	Duplicate	T	Solid	Moisture	
240-25749-12	A02010SS0613	T	Solid	Moisture	
240-25749-13	A02011SS0613	T	Solid	Moisture	
240-25749-14	A02012SS0613	T	Solid	Moisture	
240-25749-15	A02013SS0613	T	Solid	Moisture	
240-25749-16	A02014SS0613	T	Solid	Moisture	
240-25749-17	A02015SS0613	T	Solid	Moisture	
240-25749-18	A02002SS0613	T	Solid	Moisture	
240-25749-19	A02003SS0613	T	Solid	Moisture	
240-25749-20	A02004SS0610613	T	Solid	Moisture	
240-25749-21	A02004SS6120613	T	Solid	Moisture	
240-25749-22	A02005SS0613	T	Solid	Moisture	
240-25749-22DU	Duplicate	T	Solid	Moisture	
240-25749-23	A02005SS0613H	T	Solid	Moisture	
240-25749-24	A02006SS0613	T	Solid	Moisture	
240-25749-25	A02007SS0613	T	Solid	Moisture	
240-25749-26	A02008SS0613	T	Solid	Moisture	
240-25749-27	A01010SS060613	T	Solid	Moisture	
240-25749-28	A01010SS6120613	T	Solid	Moisture	
240-25749-29	A01011SS0613	T	Solid	Moisture	
240-25749-30	A01012SS0613	T	Solid	Moisture	
240-25749-31	A01013SS0613	T	Solid	Moisture	
240-25749-32	A01014SS0613	T	Solid	Moisture	
240-25749-33	A01015SS0613	T	Solid	Moisture	
240-25749-34	A03001SS0613	T	Solid	Moisture	
240-25749-35	A03002SS0613	T	Solid	Moisture	
240-25749-35DU	Duplicate	T	Solid	Moisture	
240-25749-36	A03002SS0613H	T	Solid	Moisture	
240-25749-37	A03003SS0613	T	Solid	Moisture	
240-25749-38	A03004SS0613	T	Solid	Moisture	
240-25749-39	A03002ASS0613	T	Solid	Moisture	
240-25749-40	A03005SS0613	T	Solid	Moisture	
240-25749-41	A03006SS0613	T	Solid	Moisture	
240-25749-41DU	Duplicate	T	Solid	Moisture	

Client: EnSafe, Inc. Job Number: 240-25749-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:240-90374					
240-25749-42	A03006SS0613H	T	Solid	Moisture	
240-25749-43	A03007SS0613	T	Solid	Moisture	
240-25749-44	A03008SS0613	T	Solid	Moisture	
240-25749-45	A03009SS0613	T	Solid	Moisture	

Report Basis
T = Total

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-25749-1	A01001SS0613	70	46	53	52
240-25749-2	A01002SS0613	54	48	49	41
240-25749-3	A01003SS0613	44	39	41	40
240-25749-4	A01004SS0613	65	59	52	60
240-25749-5	A01005SS0613	50	41	49	54
240-25749-6	A01006SS060613	56	57	51	83
240-25749-7	A01006SS6120613	54	48	48	44
240-25749-8	A01007SS0613	60	54	55	84
240-25749-9	A01008SS060613	54	49	53	99
240-25749-10	A01009SS0613	54	45	51	78
240-25749-11	A02009SS0613	40	32	33	558X
240-25749-12	A02010SS0613	0X	0X	0X	0X
240-25749-13	A02011SS0613	0X	0X	75	564X
240-25749-14	A02012SS0613	0X	0X	69	251X
240-25749-15	A02013SS0613	0X	0X	73	734X
240-25749-16	A02014SS0613	60	80	53	69
240-25749-17	A02015SS0613	0X	0X	71	101
240-25749-18	A02002SS0613	72	71	68	83
240-25749-19	A02003SS0613	66	436X	59	69
240-25749-20	A02004SS0610613	61	259X	56	72
240-25749-21	A02004SS6120613	51	71	45	65
240-25749-22	A02005SS0613	76	84	75	103
240-25749-23	A02005SS0613H	53	57	45	51
240-25749-24	A02006SS0613	40	32	34	335X
240-25749-25	A02007SS0613	56	50	40	69
240-25749-26	A02008SS0613	58	52	54	117
240-25749-27	A01010SS060613	53	239X	51	56
240-25749-28	A01010SS6120613	59	58	59	51
240-25749-29	A01011SS0613	54	54	53	44

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-25749-30	A01012SS0613	60	70	57	50
240-25749-31	A01013SS0613	54	46	53	52
240-25749-32	A01014SS0613	58	217X	55	73
240-25749-33	A01015SS0613	61	50	57	61
240-25749-34 RE	A03001SS0613 RE	92	87	99	
240-25749-34	A03001SS0613	0X	0X	0X	0X
240-25749-35	A03002SS0613	0X	0X	62	194X
240-25749-36	A03002SS0613H	0X	0X	61	248X
240-25749-37	A03003SS0613	0X	0X	0X	0X
240-25749-38	A03004SS0613	58	147	61	296X
240-25749-39	A03002ASS0613	0X	0X	0X	0X
240-25749-40	A03005SS0613	0X	0X	0X	0X
240-25749-41	A03006SS0613	71	69	69	75
240-25749-42	A03006SS0613H	68	67	72	76
240-25749-43	A03007SS0613	64	71	95	152
240-25749-44	A03008SS0613	72	76	77	123
240-25749-45	A03009SS0613	49	82	58	283X
MB 240-90820/22-A		73	68	68	68
MB 240-90821/23-A		68	65	63	55
MB 240-90841/23-A		83	81	85	105
MB 240-91650/23-A		82	79	95	71
LCS 240-90820/23-A		130	92	92	91
LCS 240-90821/24-A		69	66	62	58
LCS 240-90841/24-A		75	79	70	83
LCS 240-91650/24-A		281X	186X	59	89
240-25749-1 MS	A01001SS0613 MS	55	48	59	62
240-25749-22 MS	A02005SS0613 MS	72	85	74	107
240-25749-35 MS	A03002SS0613 MS	0X	0X	52	472X
240-25749-41 MS	A03006SS0613 MS	66		70	
240-25749-1 MSD	A01001SS0613 MSD	57	58	62	50

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: EnSafe, Inc. Job Number: 240-25749-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-25749-22 MSD	A02005SS0613 MSD	58	49	63	304X
240-25749-35 MSD	A03002SS0613 MSD	0X	0X	53	329X
240-25749-41 MSD	A03006SS0613 MSD	69	71	70	81

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Method Blank - Batch: 240-90820

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-90820/22-A	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90820	Lab File ID:	P1300019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	06/25/2013 0626	Units:	ug/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	06/21/2013 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		21	33
Aroclor 1221	ND		16	33
Aroclor 1232	ND		14	33
Aroclor 1242	ND		13	33
Aroclor 1248	ND		17	33
Aroclor 1254	ND		17	33
Aroclor 1260	ND		17	33
Polychlorinated biphenyls, Total	ND		27	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	68	29 - 151
DCB Decachlorobiphenyl	68	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	73	29 - 151
DCB Decachlorobiphenyl	68	14 - 163

Lab Control Sample - Batch: 240-90820

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-90820/23-A	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90820	Lab File ID:	P1300030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	06/25/2013 0910	Units:	ug/Kg	Final Weight/Volume:	10.00 mL
Prep Date:	06/21/2013 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	297	89	62 - 120	
Aroclor 1260	333	318	95	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	92	29 - 151
DCB Decachlorobiphenyl	91	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	130	29 - 151
DCB Decachlorobiphenyl	92	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-90820

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-25749-1	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90820	Lab File ID:	P1300011.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	06/25/2013 0428			Final Weight/Volume:	10.00 mL
Prep Date:	06/21/2013 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-25749-1	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90820	Lab File ID:	P1300012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.07 g
Analysis Date:	06/25/2013 0442			Final Weight/Volume:	10.00 mL
Prep Date:	06/21/2013 0953			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	128	52	22 - 157	85	30	E	F
Aroclor 1260	94	86	13 - 161	10	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	48	58	29 - 151
DCB Decachlorobiphenyl	62	50	14 - 163

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	55	57	29 - 151
DCB Decachlorobiphenyl	59	62	14 - 163

Method Blank - Batch: 240-90821

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-90821/23-A	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90821	Lab File ID:	P1300019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/26/2013 0626	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0954			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		21	33
Aroclor 1221	ND		16	33
Aroclor 1232	ND		14	33
Aroclor 1242	ND		13	33
Aroclor 1248	ND		17	33
Aroclor 1254	ND		17	33
Aroclor 1260	ND		17	33
Polychlorinated biphenyls, Total	ND		27	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	68	29 - 151
DCB Decachlorobiphenyl	63	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	65	29 - 151
DCB Decachlorobiphenyl	55	14 - 163

Lab Control Sample - Batch: 240-90821

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-90821/24-A	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90821	Lab File ID:	P1300030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	06/26/2013 0909	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0954			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	242	73	62 - 120	
Aroclor 1260	333	230	69	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	69	29 - 151
DCB Decachlorobiphenyl	62	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	66	29 - 151
DCB Decachlorobiphenyl	58	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-90821

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-25749-22	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90821	Lab File ID:	P1300013.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	29.96 g
Analysis Date:	06/26/2013 0451			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0954			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-25749-22	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90821	Lab File ID:	P1300014.D
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	29.86 g
Analysis Date:	06/26/2013 0506			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0954			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	73	64	22 - 157	13	30		
Aroclor 1260	11	19	13 - 161	7	30	F	

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	72	58		29 - 151
DCB Decachlorobiphenyl	74	63		14 - 163

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	85	49		29 - 151
DCB Decachlorobiphenyl	107	304	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-90821

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-25749-35	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90821	Lab File ID:	P1300032.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	29.52 g
Analysis Date:	06/26/2013 0939			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0954			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-25749-35	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	240-90821	Lab File ID:	P1300033.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	29.74 g
Analysis Date:	06/26/2013 0954			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 0954			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	76	74	22 - 157	3	30		
Aroclor 1260	45	3	13 - 161	21	30		F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	0	X	0	X	29 - 151
DCB Decachlorobiphenyl	52		53		14 - 163

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
Tetrachloro-m-xylene	0	X	0	X	29 - 151
DCB Decachlorobiphenyl	472	X	329	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Method Blank - Batch: 240-90841

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-90841/23-A	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-90841	Lab File ID:	P1200046.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/25/2013 1355	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 1105			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		21	33
Aroclor 1221	ND		16	33
Aroclor 1232	ND		14	33
Aroclor 1242	ND		13	33
Aroclor 1248	ND		17	33
Aroclor 1254	ND		17	33
Aroclor 1260	ND		17	33
Polychlorinated biphenyls, Total	ND		27	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	83	29 - 151
DCB Decachlorobiphenyl	85	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	81	29 - 151
DCB Decachlorobiphenyl	105	14 - 163

Lab Control Sample - Batch: 240-90841

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-90841/24-A	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-90841	Lab File ID:	P1200030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/25/2013 0859	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 1105			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	242	73	62 - 120	
Aroclor 1260	333	262	79	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	29 - 151
DCB Decachlorobiphenyl	70	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	29 - 151
DCB Decachlorobiphenyl	83	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 240-90841

Method: 8082
Preparation: 3540C

MS Lab Sample ID:	240-25749-41	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-90841	Lab File ID:	P1200041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.03 g
Analysis Date:	06/25/2013 1241			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 1105			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	240-25749-41	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-90841	Lab File ID:	P1200042.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.09 g
Analysis Date:	06/25/2013 1256			Final Weight/Volume:	10.0 mL
Prep Date:	06/21/2013 1105			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aroclor 1016	64	65	22 - 157	2	30		
Aroclor 1260	68	70	13 - 161	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	66	69	29 - 151
DCB Decachlorobiphenyl	70	70	14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Preparation / Extraction Blank - Batch: 240-91191 **Method: 8082**
Preparation: N/A

Lab Sample ID:	PB 240-91191/2	Analysis Batch:	240-91191	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1200002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/25/2013 0200	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		63	99
Aroclor 1221	ND		48	99
Aroclor 1232	ND		42	99
Aroclor 1242	ND		39	99
Aroclor 1248	ND		51	99
Aroclor 1254	ND		51	99
Aroclor 1260	ND		51	99
Polychlorinated biphenyls, Total	ND		81	99

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Client: EnSafe, Inc. Job Number: 240-25749-1

Preparation / Extraction Blank - Batch: 240-91193 **Method: 8082**
Preparation: N/A

Lab Sample ID:	PB 240-91193/2	Analysis Batch:	240-91193	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1300002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/25/2013 0208	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		63	99
Aroclor 1221	ND		48	99
Aroclor 1232	ND		42	99
Aroclor 1242	ND		39	99
Aroclor 1248	ND		51	99
Aroclor 1254	ND		51	99
Aroclor 1260	ND		51	99
Polychlorinated biphenyls, Total	ND		81	99

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Client: EnSafe, Inc. Job Number: 240-25749-1

Preparation / Extraction Blank - Batch: 240-91402 **Method: 8082**
Preparation: N/A

Lab Sample ID:	PB 240-91402/2	Analysis Batch:	240-91402	Instrument ID:	A2HP13
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1300002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/26/2013 0141	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		63	99
Aroclor 1221	ND		48	99
Aroclor 1232	ND		42	99
Aroclor 1242	ND		39	99
Aroclor 1248	ND		51	99
Aroclor 1254	ND		51	99
Aroclor 1260	ND		51	99
Polychlorinated biphenyls, Total	ND		81	99

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Method Blank - Batch: 240-91650

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-91650/23-A	Analysis Batch:	240-92227	Instrument ID:	A2HP11
Client Matrix:	Solid	Prep Batch:	240-91650	Lab File ID:	P1100019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	07/02/2013 0616	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/27/2013 0821			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		21	33
Aroclor 1221	ND		16	33
Aroclor 1232	ND		14	33
Aroclor 1242	ND		13	33
Aroclor 1248	ND		17	33
Aroclor 1254	ND		17	33
Aroclor 1260	ND		17	33
Polychlorinated biphenyls, Total	ND		27	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	82	29 - 151
DCB Decachlorobiphenyl	95	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	79	29 - 151
DCB Decachlorobiphenyl	71	14 - 163

Lab Control Sample - Batch: 240-91650

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-91650/24-A	Analysis Batch:	240-92048	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-91650	Lab File ID:	P1200030.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	07/01/2013 0333	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	06/27/2013 0821			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	328	98	62 - 120	
Aroclor 1260	333	246	74	56 - 122	

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	281	X	29 - 151
DCB Decachlorobiphenyl	59		14 - 163

Surrogate	% Rec		Acceptance Limits
Tetrachloro-m-xylene	186	X	29 - 151
DCB Decachlorobiphenyl	89		14 - 163

Client: EnSafe, Inc. Job Number: 240-25749-1

Method Blank - Batch: 180-76023 **Method: Lloyd Kahn**
Preparation: N/A

Lab Sample ID:	MB 180-76023/3	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1034	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		89	1000

Method Blank - Batch: 180-76023 **Method: Lloyd Kahn**
Preparation: N/A

Lab Sample ID:	MB 180-76023/57	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1534	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		89	1000

Client: EnSafe, Inc. Job Number: 240-25749-1

Lab Control Sample - Batch: 180-76023 **Method: Lloyd Kahn**
Preparation: N/A

Lab Sample ID:	LCS 180-76023/4	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1039	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	22900	21600	94	75 - 125	

Lab Control Sample - Batch: 180-76023 **Method: Lloyd Kahn**
Preparation: N/A

Lab Sample ID:	LCS 180-76023/58	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1539	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	22900	20500	89	75 - 125	

Client: EnSafe, Inc. Job Number: 240-25749-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-76023

Method: Lloyd Kahn
Preparation: N/A

MS Lab Sample ID:	240-25749-9	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1245			Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	240-25749-9	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1256			Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	102	100	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-76023

Method: Lloyd Kahn
Preparation: N/A

MS Lab Sample ID:	240-25749-28	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1734			Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	240-25749-28	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1745			Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	57	64	75 - 125	6	20	F	F

Client: EnSafe, Inc. Job Number: 240-25749-1

Duplicate - Batch: 180-76023

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	240-25749-9	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1306	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	22000	22100	0.2	20	
Total Organic Carbon - Quad	22000	22100	0.2	20	

Duplicate - Batch: 180-76023

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	240-25749-28	Analysis Batch:	180-76023	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062613.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/26/2013 1755	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	14000	9910	31	20	F

Client: EnSafe, Inc. Job Number: 240-25749-1

Method Blank - Batch: 180-76161

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	MB 180-76161/56	Analysis Batch:	180-76161	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062713x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2013 1913	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		89	1000
Total Organic Carbon - Quad	ND		89	1000

Lab Control Sample - Batch: 180-76161

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	LCS 180-76161/57	Analysis Batch:	180-76161	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062713x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2013 1918	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	22900	23100	101	75 - 125	
Total Organic Carbon - Quad	22900	23100	101	75 - 125	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-76161

Method: Lloyd Kahn
Preparation: N/A

MS Lab Sample ID:	240-25749-42	Analysis Batch:	180-76161	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062713x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mg
Analysis Date:	06/27/2013 2001			Final Weight/Volume:	20 mg
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	240-25749-42	Analysis Batch:	180-76161	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062713x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	19.8 mg
Analysis Date:	06/27/2013 2011			Final Weight/Volume:	19.8 mg
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon	91	75	75 - 125	9	20		
Total Organic Carbon - Quad	91	75	75 - 125	9	20		

Client: EnSafe, Inc. Job Number: 240-25749-1

Duplicate - Batch: 180-76161

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	240-25749-42	Analysis Batch:	180-76161	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062713x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	19.6 mg
Analysis Date:	06/27/2013 2022	Units:	mg/Kg	Final Weight/Volume:	19.6 mg
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon	15000	10500	33	20	F
Total Organic Carbon - Quad	15000	10500	33	20	F

Client: EnSafe, Inc. Job Number: 240-25749-1

Duplicate - Batch: 240-90374 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-25749-1	Analysis Batch:	240-90374	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/18/2013 1525	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	70	70	0.2	20	
Percent Moisture	30	30	0.4	20	

Duplicate - Batch: 240-90374 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-25749-11	Analysis Batch:	240-90374	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/18/2013 1525	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	71	70	1	20	
Percent Moisture	29	30	2	20	

Duplicate - Batch: 240-90374 **Method: Moisture**
Preparation: N/A

Lab Sample ID:	240-25749-22	Analysis Batch:	240-90374	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/18/2013 1525	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	79	76	3	20	
Percent Moisture	21	24	12	20	

Client: EnSafe, Inc. Job Number: 240-25749-1

Duplicate - Batch: 240-90374

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-25749-35	Analysis Batch:	240-90374	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/18/2013 1525	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	82	84	2	20	
Percent Moisture	18	16	12	20	

Duplicate - Batch: 240-90374

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-25749-41	Analysis Batch:	240-90374	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/18/2013 1525	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	69	72	5	20	
Percent Moisture	31	28	11	20	

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: EnSAFE	Client Project Manager: May Heflin	Site Contact: Shane Goodnight	Lab Contact: Debra Dunn
Address: 5724 Summer Trees Dr.	Telephone: 901-372-7962	Telephone: 901-372-7962	Telephone:
City/State/Zip: Memphis, TN 38117	Email: mheflin@ensafe.com	Analysis Turnaround Time (in BUS days)	Analyses
Phone: 901-372-7962		TAT if different from below Std.	
Project Name: UTC Carrier Sanders Creek	Method of Shipment/Carrier:	☐ 3 weeks ☐ 2 weeks ☐ 1 week	
Project Number: 0888813924	Shipping/Tracking No:	☐ 2 days ☐ 1 day	
PO #			

COC No: TRB061313A

1 of 2 COCs

For lab use only: Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ Job/SDG No.:

Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	PCB	TOC	Sample Specific Notes / Special Instructions:
A01001SS0613	6-12-13	1041			X								X		N	C	X	X	
A01002SS0613	6-12-13	1038			X								X		N	C	X	X	
A01003SS0613	6-12-13	1032			X								X		N	C	X	X	
A01004SS0613	6-12-13	1025			X								X		N	C	X	X	
A01005SS0613	6-12-13	1020			X								X		N	C	X	X	
A01006SS060613	6-12-13	1010			X								X		N	C	X	X	
A01006SS120613	6-12-13	1015			X								X		N	C	X	X	
A01007SS0613	6-12-13	1005			X								X		N	C	X	X	
A01008SS060613	6-12-13	0950			X								X		N	C	X	X	
A01009SS0613	6-12-13	0945			X								X		N	C	X	X	

240-25749 Chain of Custody

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	EnSafe	6/13/13 16:00	[signature]	MCSyr	6-13-13 16:00
[signature] TALSyr	6-13-13	19:00	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	TAL	6/14/13 920

TAL-0018 (1008)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ENSAFE	Client Project Manager: May Heflin	Site Contact: Shane Goodnight	Lab Contact: Debra Dunn	COC No: TRB 0613138
Address: 5724 Summer Trees Dr.	Telephone: 901-372-7962	Telephone: 901-372-7962	Telephone:	2 of 2 COCs
City/State/Zip: Memphis, TN 38117	Email: mheflin@ensafe.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 901-372-7962		TAT if different from below Std ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: UTC Carrier Sanders Creek	Method of Shipment/Carrier:			
Project Number: 088881392 4	Shipping/Tracking No:			Job/SDG No:
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite (C) / Grab (G)	PCB	TOC								Sample Specific Notes / Special Instructions:
AB2B09SS0613	6-12-13	1323			X								X		N	C	X	X								
AB2B10SS0613	6-12-13	1315			X								X		N	C	X	X								
AB2B11SS0613	6-12-13	1310			X								X		N	C	X	X								
AB2B12SS0613	6-12-13	1305			X								X		N	C	X	X								
AB2B13SS0613	6-12-13	1300			X								X		N	C	X	X								
AB2B14SS0613	6-12-13	1250			X								X		N	C	X	X								
AB2B15SS0613	6-12-13	1240			X								X		N	C	X	X								

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

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

Special Instructions/QC Requirements & Comments:
Shane Goodnight

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Shane Goodnight	EnSafe	6/13/13 16:00	(NW) TALSyr	6-13-13	16:00
Relinquished by: (NW) TALSyr	Company: 6/13/13	Date/Time: 19:00	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 6/14/13 920

TAL-0018 (1008)

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ENSAFE	Client Project Manager: May Heflin	Site Contact: Shane Goodnight	Lab Contact: Debra Dunn	COC No: TRB0613138
Address: 5724 Summer Trees Dr.	Telephone: 901-372-7962	Telephone: 901-372-7962	Telephone:	1 of 2 COCs
City/State/Zip: Memphis, TN 38119	Email: mheflin@ensafe.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 901-372-7962		TAT if different from below 5 da. ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ Job/SDG No.:
Project Name: UTC Carrier Sanders Creek	Method of Shipment/Carrier:			
Project Number: 0888813924	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite (C) / Grab (G)	PCB	TOC	Sample Specific Notes / Special Instructions:
AB2BB2SSB613	6-12-13	1442			X								X		N	C	X	X	
AB2BB3SSB613	6-12-13	1432			X								X		N	C	X	X	
AB2BB4SSB613	6-12-13	1418			X								X		N	C	X	X	
AB2BB4SS612B613	6-12-13	1455			X								X		N	C	X	X	
AB2BB5SSB613	6-12-13	1347			X								X		N	C	X	X	
AB2BB5SSB613MS	6-12-13	1347			X								X		N	C	X		MS/MSD
AB2BB5SSB613H	6-12-13	1348			X								X		N	C	X	X	
AB2BB6SSB613	6-12-13	1341			X								X		N	C	X	X	
AB2BB7SSB613	6-12-13	1334			X								X		N	C	X	X	
AB2BB8SSB613	6-12-13	1328			X								X		N	C	X	X	

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

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

Special Instructions/QC Requirements & Comments:

Shane Goodnight

	Company	Date/Time		Company	Date/Time
Relinquished by:	EnSafe	6/13/13 16:00	Received by: TALSY	6-13-13	16:00
Relinquished by: TALSY	6-13-13	19:00	Received by:		
Relinquished by:			Received in Laboratory by:	TAL	6/14/13 920

TAL-0018 (1008)

4

Chain of Custody Record

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other ______

TestAmerica Laboratories, Inc.

Client Contact

Company Name: EnSAFE	Client Project Manager: May Heflin	Site Contact: Shane Goodnight	Lab Contact: Debra Dunn	COC No: TRB061313A
Address: 5724 Summer Trees Dr.	Telephone: 901-372-7962	Telephone: 901-372-7962	Telephone:	2 of 2 COCs
City/State/Zip: Memphis, TN 38117	Email: mheflin@ensafe.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 901-372-7962		TAT if different from below Std. ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐ Job/SDG No:
Project Name: UTC Carrier Sanders Creek	Method of Shipment/Carrier:			
Project Number: 088813924	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	PCB	TOC	Sample Specific Notes / Special Instructions:
A0101SS060613	6-12-13	0920			X								X		N	C	X	X	
A0101SS120613	6-12-13	0925			X								X		N	C	X	X	
A0011SS0613	6-12-13	0910			X								X		N	C	X	X	
A0012SS0613	6-12-13	0900			X								X		N	C	X	X	
A0013SS0613	6-12-13	0850			X								X		N	C	X	X	
A0014SS0613	6-12-13	0835			X								X		N	C	X	X	
A0015SS0613	6-12-13	0830			X								X		N	C	X	X	

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

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

Special Instructions/QC Requirements & Comments:

Shane Goodnight

Relinquished by: [signature]	Company: EnSafe	Date/Time: 6/13/13 16:00	Received by: [signature] TALSyr	Company: 6-13-13	Date/Time: 16:00
Relinquished by: [signature] TALSyr	Company: 6-13-13	Date/Time: 19:00	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 6/14/13 920

TAL-0018 (1008)

Chain of Custody Record

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

5

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ENSAFE	Client Project Manager: May Heflin	Site Contact: Shane Goodnight	Lab Contact: Debra Dunn	COC No: TRB061313C
Address: 5724 Summer Trees Dr.	Telephone: 901-372-7962	Telephone: 901-372-7962	Telephone:	1 of 2 COCs
City/State/Zip: Memphis, TN 38117	Email: mheflin@ensafe.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 901-372-7962		TAT if different from below std. ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: UTC Carrier Sanders Creek	Method of Shipment/Carrier:			
Project Number: 0888813924	Shipping/Tracking No:			Job/SDG No:
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	PCB	TOC	Sample Specific Notes / Special Instructions:
A03001SS0613	6-12-13	1912			X								X		N	C	X	X	
A03002SS0613	6-12-13	1900			X								X		N	C	X	X	
A03002SS0613MS	6-12-13	1900			X								X		N	C	X		MS/MSD
A03002SS0613H	6-12-13	1900			X								X		N	C	X	X	
A03003SS0613	6-12-13	1845			X								X		N	C	X	X	
A03004SS0613	6-12-13	1835			X								X		N	C	X	X	
A03002ASS0613	6-12-13	1930			X								X		N	C	X	X	
A03005SS0613	6-13-13	0844			X								X		N	C	X	X	
A03006SS0613	6-13-13	0853			X								X		N	C	X	X	
A03006SS0613MS	6-13-13	0853			X								X		N	C	X		MS/MSD

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

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

Special Instructions/QC Requirements & Comments: Shane Goodnight

Relinquished by: [signature]	Company: EnSafe	Date/Time: 6/13/13 16:00	Received by: (circled initials) MCSyc	Company: 6-13-13	Date/Time: 1600
Relinquished by: (circled initials) MCSyc	Company: 6-13-13	Date/Time: 1900	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 6/14/13 920

TAL-0018 (1008)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: ENSAFE	Client Project Manager: May Heflin	Site Contact: Shane Goodnight	Lab Contact: Debra Dunn	COC No: TRB061313C
Address: 5724 Summer Trees Dr.	Telephone: 901-372-7962	Telephone: 901-372-7962	Telephone:	2 of 2 COCs
City/State/Zip: Memphis, TN 38117	Email: mheflin@ensafe.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 901-372-7962		TAT if different from below std. ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: UTC Carrier Sanders Creek	Method of Shipment/Carrier:			
Project Number: 0888813924	Shipping/Tracking No:			Job/SDG No:
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other	Filtered Sample (Y/N)	Composite=C / Grab=G	PCB	TOC	Sample Specific Notes / Special Instructions
AD3006SS0613H	6-13-13	0853			X								X		N	C	X	X	
AD3007SS0613	6-13-13	0908			X								X		N	C	X	X	
AD3008SS0613	6-13-13	0930			X								X		N	C	X	X	
AD3009SS0613	6-13-13	0945			X								X		N	C	X	X	

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

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

Special Instructions/QC Requirements & Comments:
Shane Goodnight

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	EnSafe	6/13/13 16:30	[signature]	TALSr 6-13-13	16:00
[signature] TALSr	6/13/13	19:00	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 6/14/13 920

TAL-0018 (1008)

TestAmerica Canton Sample Receipt Form/Narrative — Login # : 25749

Canton Facility

Client EnSafe — Site Name _____ — Cooler unpacked by: CM

Cooler Received on 6/14/13 — Opened on 6/14/13

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1 (CF –1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 4G (CF 0 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 5G (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

~~IR GUN# 8 (CF –2 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C~~ out of service

☒ See Multiple Cooler Form

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 4 — (Yes) No
   - Were custody seals on the outside of the cooler(s) signed & dated? — (Yes) No NA
   - Were custody seals on the bottle(s)? — Yes (No)
3. Shippers' packing slip attached to the cooler(s)? — (Yes) No
4. Did custody papers accompany the sample(s)? — (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? — (Yes) No

5. Did all bottles arrive in good condition (Unbroken)? — (Yes) No
7. Could all bottle labels be reconciled with the COC? — (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? — (Yes) No
9. Sufficient quantity received to perform indicated analyses? — (Yes) No
10. Were sample(s) at the correct pH upon receipt? — Yes No (NA) pH Strip Lot# HC379740
11. Were VOAs on the COC? — (Yes) No
12. Were air bubbles >6 mm in any VOA vials? — Yes (No) NA
13. Was a trip blank present in the cooler(s)? — (Yes) No CM 6/14/13

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by: [signature]

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative Login # :_____
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
260-048	46	2.0	2.0	Ice
Client	1	1.8	1.8	1
Client		1.1	1.1	
TA NOTT		2.9	2.9	—

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-25749-1

Login Number: 25749
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/26/13 09:12 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-25749-1

Login Number: 25749
List Number: 2
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/26/13 09:28 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 240-25774-1

Job Description: Sanders Creek Sediment Sampling

For:
EnSafe, Inc.
220 Athens Way, Plaza 1, Suite 410
Nashville, TN 37228

Attention: Ms. May Heflin

Approved for release.
Amy L McCormick
Project Manager I
6/29/2013 4:53 PM

Amy L McCormick, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
06/29/2013

cc: Shane Goodnight
Anne Kathain
Final Data Tracking

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Sanders Creek Sediment Sampling

Report Number: 240-25774-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The Total Organic Carbon in accordance with Lloyd Kahn Method analysis was performed at the TestAmerica Pittsburgh laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 06/15/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.0 C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples A03010SS0613 (240-25774-1), A03011SS0613 (240-25774-2), A03012SS0613 (240-25774-3) and A03013SS0613 (240-25774-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 06/20/2013 and analyzed on 06/23/2013.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples A03011SS0613 (240-25774-2), A03012SS0613 (240-25774-3), and A03013SS0613 (240-25774-4) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples A03010SS0613 (240-25774-1), A03011SS0613 (240-25774-2), A03012SS0613 (240-25774-3) and A03013SS0613 (240-25774-4) were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 06/27/2013.

Please note that the reporting limit for Lloyd Kahn TOC analysis is a nominal value and does not reflect adjustments in sample mass processed on an individual basis.

No difficulties were encountered during the TOC analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples A03010SS0613 (240-25774-1), A03011SS0613 (240-25774-2), A03012SS0613 (240-25774-3) and A03013SS0613 (240-25774-4) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 06/19/2013 and 06/21/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-25774-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-25774-1	**A03010SS0613**					
Total Organic Carbon		11000		1400	mg/Kg	Lloyd Kahn
Percent Solids		73		0.10	%	Moisture
Percent Moisture		27		0.10	%	Moisture
240-25774-2	**A03011SS0613**					
Aroclor 1260		230		50	ug/Kg	8082
Polychlorinated biphenyls, Total		230		50	ug/Kg	8082
Total Organic Carbon		8700		1500	mg/Kg	Lloyd Kahn
Percent Solids		66		0.10	%	Moisture
Percent Moisture		34		0.10	%	Moisture
240-25774-3	**A03012SS0613**					
Aroclor 1260		250		49	ug/Kg	8082
Polychlorinated biphenyls, Total		250		49	ug/Kg	8082
Total Organic Carbon		9100		1500	mg/Kg	Lloyd Kahn
Percent Solids		68		0.10	%	Moisture
Percent Moisture		32		0.10	%	Moisture
240-25774-4	**A03013SS0613**					
Aroclor 1260		110		46	ug/Kg	8082
Polychlorinated biphenyls, Total		110		46	ug/Kg	8082
Total Organic Carbon		20000		1400	mg/Kg	Lloyd Kahn
Percent Solids		70		0.10	%	Moisture
Percent Moisture		30		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-25774-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082	
Soxhlet Extraction	TAL CAN		SW846 3540C
Percent Moisture	TAL CAN	EPA Moisture	
Organic Carbon, Total (TOC)	TAL PIT	EPA Lloyd Kahn	

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc. Job Number: 240-25774-1

Method	Analyst	Analyst ID
SW846 8082	Hass, Lori	LSH
EPA Lloyd Kahn	Waclaski, Linx	LKW
EPA Moisture	Kuhle, Julie	JAK

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-25774-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-25774-1	A03010SS0613	Solid	06/14/2013 0845	06/15/2013 1240
240-25774-2	A03011SS0613	Solid	06/14/2013 0900	06/15/2013 1240
240-25774-3	A03012SS0613	Solid	06/14/2013 0910	06/15/2013 1240
240-25774-4	A03013SS0613	Solid	06/14/2013 0920	06/15/2013 1240

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03010SS0613**

Lab Sample ID: 240-25774-1 Date Sampled: 06/14/2013 0845
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	30.14 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1826			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		29	45
Aroclor 1221		ND		22	45
Aroclor 1232		ND		19	45
Aroclor 1242		ND		18	45
Aroclor 1248		ND		23	45
Aroclor 1254		ND		23	45
Aroclor 1260		ND		23	45
Polychlorinated biphenyls, Total		ND		37	45

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		29 - 151
DCB Decachlorobiphenyl	68		14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03010SS0613**

Lab Sample ID: 240-25774-1 Date Sampled: 06/14/2013 0845
Client Matrix: Solid % Moisture: 27.5 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	30.14 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1826			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		29 - 151
DCB Decachlorobiphenyl	119		14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03011SS0613**

Lab Sample ID: 240-25774-2 Date Sampled: 06/14/2013 0900
Client Matrix: Solid % Moisture: 33.7 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	29.68 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1842			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		32	50
Aroclor 1221		ND		24	50
Aroclor 1232		ND		21	50
Aroclor 1242		ND		20	50
Aroclor 1248		ND		26	50
Aroclor 1254		ND		26	50
Aroclor 1260		230		26	50
Polychlorinated biphenyls, Total		230		41	50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	61		29 - 151
DCB Decachlorobiphenyl	71		14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03011SS0613**

Lab Sample ID: 240-25774-2 Date Sampled: 06/14/2013 0900
Client Matrix: Solid % Moisture: 33.7 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	29.68 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1842			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	65		29 - 151
DCB Decachlorobiphenyl	134		14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03012SS0613**

Lab Sample ID: 240-25774-3 Date Sampled: 06/14/2013 0910
Client Matrix: Solid % Moisture: 32.5 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	29.86 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1857			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		31	49
Aroclor 1221		ND		24	49
Aroclor 1232		ND		21	49
Aroclor 1242		ND		19	49
Aroclor 1248		ND		25	49
Aroclor 1254		ND		25	49
Aroclor 1260		250		25	49
Polychlorinated biphenyls, Total		250		40	49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		29 - 151
DCB Decachlorobiphenyl	72		14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03012SS0613**

Lab Sample ID: 240-25774-3 Date Sampled: 06/14/2013 0910
Client Matrix: Solid % Moisture: 32.5 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	29.86 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1857			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		29 - 151
DCB Decachlorobiphenyl	108		14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03013SS0613**

Lab Sample ID: 240-25774-4 Date Sampled: 06/14/2013 0920
Client Matrix: Solid % Moisture: 29.9 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1912			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		30	46
Aroclor 1221		ND		22	46
Aroclor 1232		ND		20	46
Aroclor 1242		ND		18	46
Aroclor 1248		ND		24	46
Aroclor 1254		ND		24	46
Aroclor 1260		110		24	46
Polychlorinated biphenyls, Total		110		38	46

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		29 - 151
DCB Decachlorobiphenyl	63		14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Client Sample ID: **A03013SS0613**

Lab Sample ID: 240-25774-4 Date Sampled: 06/14/2013 0920
Client Matrix: Solid % Moisture: 29.9 Date Received: 06/15/2013 1240

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Prep Method:	3540C	Prep Batch:	240-90685	Initial Weight/Volume:	30.43 g
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/23/2013 1912			Injection Volume:	1 uL
Prep Date:	06/20/2013 1206			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	68		29 - 151
DCB Decachlorobiphenyl	113		14 - 163

General Chemistry

Client Sample ID: **A03010SS0613**

Lab Sample ID: 240-25774-1 Date Sampled: 06/14/2013 0845

Client Matrix: Solid % Moisture: 27.5 Date Received: 06/15/2013 1240

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	11000		mg/Kg	120	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 2114						DryWt Corrected: Y
Percent Solids	73		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90516	Analysis Date: 06/19/2013 1530						DryWt Corrected: N
Percent Moisture	27		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90516	Analysis Date: 06/19/2013 1530						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03011SS0613**

Lab Sample ID: 240-25774-2 Date Sampled: 06/14/2013 0900

Client Matrix: Solid % Moisture: 33.7 Date Received: 06/15/2013 1240

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	8700		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 2125						DryWt Corrected: Y
Percent Solids	66		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90516	Analysis Date: 06/19/2013 1530						DryWt Corrected: N
Percent Moisture	34		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90516	Analysis Date: 06/19/2013 1530						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03012SS0613**

Lab Sample ID: 240-25774-3 Date Sampled: 06/14/2013 0910

Client Matrix: Solid % Moisture: 32.5 Date Received: 06/15/2013 1240

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	9100		mg/Kg	130	1500	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 2135						DryWt Corrected: Y
Percent Solids	68		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90516	Analysis Date: 06/19/2013 1530						DryWt Corrected: N
Percent Moisture	32		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90516	Analysis Date: 06/19/2013 1530						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03013SS0613**

Lab Sample ID: 240-25774-4 Date Sampled: 06/14/2013 0920

Client Matrix: Solid % Moisture: 29.9 Date Received: 06/15/2013 1240

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon	20000		mg/Kg	130	1400	1.0	Lloyd Kahn
Analysis Batch: 180-76161	Analysis Date: 06/27/2013 2146						DryWt Corrected: Y
Percent Solids	70		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90783	Analysis Date: 06/21/2013 0841						DryWt Corrected: N
Percent Moisture	30		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-90783	Analysis Date: 06/21/2013 0841						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

QUALITY CONTROL RESULTS

Client: EnSafe, Inc. Job Number: 240-25774-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-90685					
LCS 240-90685/16-A	Lab Control Sample	T	Solid	3540C	
MB 240-90685/17-A	Method Blank	T	Solid	3540C	
240-25774-1	A03010SS0613	T	Solid	3540C	
240-25774-2	A03011SS0613	T	Solid	3540C	
240-25774-3	A03012SS0613	T	Solid	3540C	
240-25774-4	A03013SS0613	T	Solid	3540C	
Analysis Batch:240-90978					
PB 240-90978/2	Preparation / Extraction Blank	T	Solid	8082	
LCS 240-90685/16-A	Lab Control Sample	T	Solid	8082	240-90685
MB 240-90685/17-A	Method Blank	T	Solid	8082	240-90685
240-25774-1	A03010SS0613	T	Solid	8082	240-90685
240-25774-2	A03011SS0613	T	Solid	8082	240-90685
240-25774-3	A03012SS0613	T	Solid	8082	240-90685
240-25774-4	A03013SS0613	T	Solid	8082	240-90685

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:180-76161					
LCS 180-76161/57	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 180-76161/56	Method Blank	T	Solid	Lloyd Kahn	
240-25774-1	A03010SS0613	T	Solid	Lloyd Kahn	
240-25774-2	A03011SS0613	T	Solid	Lloyd Kahn	
240-25774-3	A03012SS0613	T	Solid	Lloyd Kahn	
240-25774-4	A03013SS0613	T	Solid	Lloyd Kahn	
Analysis Batch:240-90516					
240-25774-1	A03010SS0613	T	Solid	Moisture	
240-25774-2	A03011SS0613	T	Solid	Moisture	
240-25774-3	A03012SS0613	T	Solid	Moisture	
Analysis Batch:240-90783					
240-25774-C-2 DU	Duplicate	T	Solid	Moisture	
240-25774-4	A03013SS0613	T	Solid	Moisture	

Report Basis
T = Total

Client: EnSafe, Inc.

Job Number: 240-25774-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-25774-1	A03010SS0613	60	80	68	119
240-25774-2	A03011SS0613	61	65	71	134
240-25774-3	A03012SS0613	63	68	72	108
240-25774-4	A03013SS0613	63	68	63	113
MB 240-90685/17-A		88	83	66	75
LCS 240-90685/16-A		75	80	71	81

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Client: EnSafe, Inc. Job Number: 240-25774-1

Method Blank - Batch: 240-90685

Method: 8082
Preparation: 3540C

Lab Sample ID:	MB 240-90685/17-A	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-90685	Lab File ID:	P1000019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/23/2013 2044	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1206			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		21	33
Aroclor 1221	ND		16	33
Aroclor 1232	ND		14	33
Aroclor 1242	ND		13	33
Aroclor 1248	ND		17	33
Aroclor 1254	ND		17	33
Aroclor 1260	ND		17	33
Polychlorinated biphenyls, Total	ND		27	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	88	29 - 151
DCB Decachlorobiphenyl	66	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	83	29 - 151
DCB Decachlorobiphenyl	75	14 - 163

Lab Control Sample - Batch: 240-90685

Method: 8082
Preparation: 3540C

Lab Sample ID:	LCS 240-90685/16-A	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	240-90685	Lab File ID:	P1000027.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	06/23/2013 2247	Units:	ug/Kg	Final Weight/Volume:	10.0 mL
Prep Date:	06/20/2013 1206			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	240	72	62 - 120	
Aroclor 1260	333	227	68	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	75	29 - 151
DCB Decachlorobiphenyl	71	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	80	29 - 151
DCB Decachlorobiphenyl	81	14 - 163

Client: EnSafe, Inc. Job Number: 240-25774-1

Preparation / Extraction Blank - Batch: 240-90978 **Method: 8082**
Preparation: N/A

Lab Sample ID:	PB 240-90978/2	Analysis Batch:	240-90978	Instrument ID:	A2HP10
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1000002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	06/23/2013 1624	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		63	99
Aroclor 1221	ND		48	99
Aroclor 1232	ND		42	99
Aroclor 1242	ND		39	99
Aroclor 1248	ND		51	99
Aroclor 1254	ND		51	99
Aroclor 1260	ND		51	99
Polychlorinated biphenyls, Total	ND		81	99

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Client: EnSafe, Inc. Job Number: 240-25774-1

Method Blank - Batch: 180-76161

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	MB 180-76161/56	Analysis Batch:	180-76161	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062713x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2013 1913	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		89	1000

Lab Control Sample - Batch: 180-76161

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	LCS 180-76161/57	Analysis Batch:	180-76161	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	062713x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/27/2013 1918	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	22900	23100	101	75 - 125	

Client: EnSafe, Inc. Job Number: 240-25774-1

Duplicate - Batch: 240-90783

Method: Moisture
Preparation: N/A

Lab Sample ID:	240-25774-C-2 DU	Analysis Batch:	240-90783	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	06/21/2013 0841	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	68	68	0.4	20	
Percent Moisture	32	32	0.8	20	

Chain of Custody Record

TestAmerica Laboratory location: North Canton, OH

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica
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TestAmerica Laboratories, Inc.

Client Contact				
Company Name: EnSafe	Client Project Manager: May Heflin	Site Contact: Shane Goodnight	Lab Contact: Debra Dunn	COC No: TRB0614115
Address: 5724 Summer Trees Dr.	Telephone: 901-372-7962	Telephone: 901-372-7962	Telephone:	1 of 1 COCs
City/State/Zip: Memphis, TN 38117	Email: mheflin@ensafe.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 901-372-7962		TAT if different from below Std.		Walk-in client: ☐
Project Name: UTC Carrier Sanders Creek	Method of Shipment/Carrier:	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Lab picking: ☐
Project Number: 08888 13924	Shipping/Tracking No:			Lab sampling: ☐
PO #				Lab SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite (C) / Grab (G)	PCB	TOC	Sample Specific Notes / Special Instructions:
AB3B18SSB613	6-14-13	0845			X								X		N	C	X	X	
AB3B11SSB613	6-14-13	0900			X								X		N	C	X	X	
AB3B12SSB613	6-14-13	0910			X								X		N	C	X	X	
AØ3Ø135SØ613	6-14-13	0920			X								X		N	C	X	X	

240-25774 Chain of Custody

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company: EnSafe	Date/Time: 6/14/13 13:20	Received by:	Company: TAL SVC	Date/Time: 6-14-13 13:20
Relinquished by:	Company: TAL SVC	Date/Time: 6-14-13 19:00	Received by:	Company: TA	Date/Time: 6-15-13 1240
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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06/29/2013

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 25774**
Canton Facility

Client ENSafe Site Name ______ Cooler unpacked by: [signature]

Cooler Received on 6-15-13 Opened on 6-15-13

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other ______

TestAmerica Cooler # ______ Foam Box (Client Cooler) Box Other ______

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other ______

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF –1 °C)	Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	
IR GUN# 4	(CF 0 °C)	Observed Cooler Temp. 2.0 °C	Corrected Cooler Temp. 2.0 °C	☐ See Multiple Cooler Form
IR GUN# 5	(CF +1 °C)	Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	
IR GUN# 8	(CF -0 °C)	Observed Cooler Temp. ____ °C	Corrected Cooler Temp. ____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 — (Yes) No
   - -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   - -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# **HC376062**
11. Were VOAs on the COC? Yes (No)
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? Yes (No)

Contacted PM ______ Date ______ by ______ via Verbal Voice Mail Other

Concerning ______

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES — Samples processed by: ______

15. SAMPLE CONDITION

Sample(s) ______ were received after the recommended holding time had expired.

Sample(s) ______ were received in a broken container.

Sample(s) ______ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) ______ were further preserved in the laboratory.

Time preserved: ______ Preservative(s) added/Lot number(s): ______.

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-25774-1

Login Number: 25774
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 06/26/13 09:28 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica
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ANALYTICAL REPORT

Job Number: 240-27016-1

Job Description: Sanders Creek Sediment Sampling

For:
EnSafe, Inc.
220 Athens Way, Plaza 1, Suite 410
Nashville, TN 37228

Attention: Ms. May Heflin

Approved for release.
Amy L McCormick
Project Manager I
7/25/2013 11:14 AM

Amy L McCormick, Project Manager I
4101 Shuffel Street NW, North Canton, OH, 44720
(330)966-9787
amy.mccormick@testamericainc.com
07/25/2013

cc: Shane Goodnight
Anne Kathain
Final Data Tracking

CASE NARRATIVE

Client: EnSafe, Inc.

Project: Sanders Creek Sediment Sampling

Report Number: 240-27016-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The Lloyd_Kahn Total Organic Carbon analysis was performed at the TestAmerica Pittsburgh laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 07/17/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.1 C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples A03014SS0713 (240-27016-1), A03015SS0713 (240-27016-2), A03016SS0713 (240-27016-3), A03017SS0713 (240-27016-4) and A03018SS0713 (240-27016-5) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 07/22/2013 and analyzed on 07/24/2013.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples A03015SS0713 (240-27016-2)[2X], A03016SS0713 (240-27016-3)[2X] and A03017SS0713 (240-27016-4)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Samples A03014SS0713 (240-27016-1), A03015SS0713 (240-27016-2), and A03016SS0713 (240-27016-3) required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL ORGANIC CARBON

Samples A03014SS0713 (240-27016-1), A03015SS0713 (240-27016-2), A03016SS0713 (240-27016-3), A03017SS0713 (240-27016-4) and A03018SS0713 (240-27016-5) were analyzed for total organic carbon in accordance with Lloyd Kahn Method. The samples were analyzed on 07/23/2013.

Please note that the reporting limit for Lloyd Kahn TOC analysis is a nominal value and does not reflect adjustments in sample mass processed on an individual basis.

Total Organic Carbon - Quad failed the recovery criteria high for the MSD of sample A03018SS0713MSD (240-27016-5) in batch 180-78182.

Total Organic Carbon - Quad exceeded the RPD limit for the duplicate of sample A03018SS0713DU (240-27016-5).

Refer to the QC report for details.

No other difficulties were encountered during the TOC analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples A03014SS0713 (240-27016-1), A03015SS0713 (240-27016-2), A03016SS0713 (240-27016-3), A03017SS0713 (240-27016-4) and A03018SS0713 (240-27016-5) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 07/22/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: EnSafe, Inc. Job Number: 240-27016-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
240-27016-1	**A03014SS0713**					
Aroclor 1260		27	J	41	ug/Kg	8082
Total Organic Carbon - Quad		13000		1200	mg/Kg	Lloyd Kahn
Percent Solids		81		0.10	%	Moisture
Percent Moisture		19		0.10	%	Moisture
240-27016-2	**A03015SS0713**					
Aroclor 1260		360		73	ug/Kg	8082
Polychlorinated biphenyls, Total		360		73	ug/Kg	8082
Total Organic Carbon - Quad		67000		1100	mg/Kg	Lloyd Kahn
Percent Solids		91		0.10	%	Moisture
Percent Moisture		9.2		0.10	%	Moisture
240-27016-3	**A03016SS0713**					
Aroclor 1260		370		75	ug/Kg	8082
Polychlorinated biphenyls, Total		370		75	ug/Kg	8082
Total Organic Carbon - Quad		46000		1100	mg/Kg	Lloyd Kahn
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture
240-27016-4	**A03017SS0713**					
Aroclor 1260		270		76	ug/Kg	8082
Polychlorinated biphenyls, Total		270		76	ug/Kg	8082
Total Organic Carbon - Quad		30000		1200	mg/Kg	Lloyd Kahn
Percent Solids		87		0.10	%	Moisture
Percent Moisture		13		0.10	%	Moisture
240-27016-5	**A03018SS0713**					
Aroclor 1260		45		37	ug/Kg	8082
Polychlorinated biphenyls, Total		45		37	ug/Kg	8082
Total Organic Carbon - Quad		8400		1100	mg/Kg	Lloyd Kahn
Percent Solids		88		0.10	%	Moisture
Percent Moisture		12		0.10	%	Moisture

METHOD SUMMARY

Client: EnSafe, Inc. Job Number: 240-27016-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CAN	SW846 8082	
Soxhlet Extraction	TAL CAN		SW846 3540C
Percent Moisture	TAL CAN	EPA Moisture	
Organic Carbon, Total (TOC)	TAL PIT	EPA Lloyd Kahn	

Lab References:

TAL CAN = TestAmerica Canton

TAL PIT = TestAmerica Pittsburgh

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: EnSafe, Inc. Job Number: 240-27016-1

Method	Analyst	Analyst ID
SW846 8082	Hass, Lori	LSH
EPA Lloyd Kahn	DeRubeis, James D	JDD
EPA Moisture	Eikelberry, Nicholas	NJE

SAMPLE SUMMARY

Client: EnSafe, Inc. Job Number: 240-27016-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
240-27016-1	A03014SS0713	Solid	07/17/2013 1200	07/17/2013 1752
240-27016-2	A03015SS0713	Solid	07/17/2013 1230	07/17/2013 1752
240-27016-3	A03016SS0713	Solid	07/17/2013 1328	07/17/2013 1752
240-27016-4	A03017SS0713	Solid	07/17/2013 1649	07/17/2013 1752
240-27016-5	A03018SS0713	Solid	07/17/2013 1623	07/17/2013 1752

SAMPLE RESULTS

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03014SS0713**

Lab Sample ID: 240-27016-1 Date Sampled: 07/17/2013 1200
Client Matrix: Solid % Moisture: 19.1 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	29.96 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0530			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		26	41
Aroclor 1221		ND		20	41
Aroclor 1232		ND		17	41
Aroclor 1242		ND		16	41
Aroclor 1248		ND		21	41
Aroclor 1254		ND		21	41
Aroclor 1260		27	J	21	41
Aroclor 1262		ND		33	41
Aroclor-1268		ND		17	41
Polychlorinated biphenyls, Total		ND		33	41

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	60		29 - 151
DCB Decachlorobiphenyl	98		14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03014SS0713**

Lab Sample ID: 240-27016-1 Date Sampled: 07/17/2013 1200
Client Matrix: Solid % Moisture: 19.1 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	29.96 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0530			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	72		29 - 151
DCB Decachlorobiphenyl	106		14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03015SS0713**

Lab Sample ID: 240-27016-2 Date Sampled: 07/17/2013 1230
Client Matrix: Solid % Moisture: 9.2 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	29.98 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0545			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		46	73
Aroclor 1221		ND		35	73
Aroclor 1232		ND		31	73
Aroclor 1242		ND		29	73
Aroclor 1248		ND		37	73
Aroclor 1254		ND		37	73
Aroclor 1260		360		37	73
Aroclor 1262		ND		60	73
Aroclor-1268		ND		31	73
Polychlorinated biphenyls, Total		360		60	73

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		29 - 151
DCB Decachlorobiphenyl	79		14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03015SS0713**

Lab Sample ID: 240-27016-2 Date Sampled: 07/17/2013 1230
Client Matrix: Solid % Moisture: 9.2 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	29.98 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0545			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	150		29 - 151
DCB Decachlorobiphenyl	381	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03016SS0713**

Lab Sample ID: 240-27016-3 Date Sampled: 07/17/2013 1328
Client Matrix: Solid % Moisture: 11.9 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	30.09 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0606			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		48	75
Aroclor 1221		ND		36	75
Aroclor 1232		ND		32	75
Aroclor 1242		ND		29	75
Aroclor 1248		ND		38	75
Aroclor 1254		ND		38	75
Aroclor 1260		370		38	75
Aroclor 1262		ND		61	75
Aroclor-1268		ND		32	75
Polychlorinated biphenyls, Total		370		61	75

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		29 - 151
DCB Decachlorobiphenyl	86		14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03016SS0713**

Lab Sample ID: 240-27016-3 Date Sampled: 07/17/2013 1328
Client Matrix: Solid % Moisture: 11.9 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	30.09 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0606			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		29 - 151
DCB Decachlorobiphenyl	244	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03017SS0713**

Lab Sample ID: 240-27016-4 Date Sampled: 07/17/2013 1649
Client Matrix: Solid % Moisture: 13.3 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	30.04 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0620			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		48	76
Aroclor 1221		ND		37	76
Aroclor 1232		ND		32	76
Aroclor 1242		ND		30	76
Aroclor 1248		ND		39	76
Aroclor 1254		ND		39	76
Aroclor 1260		270		39	76
Aroclor 1262		ND		62	76
Aroclor-1268		ND		32	76
Polychlorinated biphenyls, Total		270		62	76

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		29 - 151
DCB Decachlorobiphenyl	74		14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03017SS0713**

Lab Sample ID: 240-27016-4 Date Sampled: 07/17/2013 1649
Client Matrix: Solid % Moisture: 13.3 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	30.04 g
Dilution:	2.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0620			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	96		29 - 151
DCB Decachlorobiphenyl	185	X	14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03018SS0713**

Lab Sample ID: 240-27016-5 Date Sampled: 07/17/2013 1623
Client Matrix: Solid % Moisture: 11.7 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0732			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aroclor 1016		ND		24	37
Aroclor 1221		ND		18	37
Aroclor 1232		ND		16	37
Aroclor 1242		ND		15	37
Aroclor 1248		ND		19	37
Aroclor 1254		ND		19	37
Aroclor 1260		45		19	37
Aroclor 1262		ND		30	37
Aroclor-1268		ND		16	37
Polychlorinated biphenyls, Total		45		30	37

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		29 - 151
DCB Decachlorobiphenyl	74		14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Client Sample ID: **A03018SS0713**

Lab Sample ID: 240-27016-5 Date Sampled: 07/17/2013 1623
Client Matrix: Solid % Moisture: 11.7 Date Received: 07/17/2013 1752

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Prep Method:	3540C	Prep Batch:	240-94470	Initial Weight/Volume:	30.07 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/24/2013 0732			Injection Volume:	1 uL
Prep Date:	07/22/2013 1236			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		29 - 151
DCB Decachlorobiphenyl	90		14 - 163

General Chemistry

Client Sample ID: **A03014SS0713**

Lab Sample ID: 240-27016-1 Date Sampled: 07/17/2013 1200

Client Matrix: Solid % Moisture: 19.1 Date Received: 07/17/2013 1752

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	13000		mg/Kg	110	1200	1.0	Lloyd Kahn
Analysis Batch: 180-78182	Analysis Date: 07/23/2013 1117						DryWt Corrected: Y
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03015SS0713**

Lab Sample ID: 240-27016-2 Date Sampled: 07/17/2013 1230

Client Matrix: Solid % Moisture: 9.2 Date Received: 07/17/2013 1752

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	67000		mg/Kg	98	1100	1.0	Lloyd Kahn
Analysis Batch: 180-78182	Analysis Date: 07/23/2013 1143						DryWt Corrected: Y
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N
Percent Moisture	9.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03016SS0713**

Lab Sample ID: 240-27016-3 Date Sampled: 07/17/2013 1328

Client Matrix: Solid % Moisture: 11.9 Date Received: 07/17/2013 1752

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	46000		mg/Kg	100	1100	1.0	Lloyd Kahn
Analysis Batch: 180-78182	Analysis Date: 07/23/2013 0745						DryWt Corrected: Y
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03017SS0713**

Lab Sample ID: 240-27016-4 Date Sampled: 07/17/2013 1649

Client Matrix: Solid % Moisture: 13.3 Date Received: 07/17/2013 1752

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	30000		mg/Kg	100	1200	1.0	Lloyd Kahn
Analysis Batch: 180-78182	Analysis Date: 07/23/2013 0828						DryWt Corrected: Y
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N

General Chemistry

Client Sample ID: **A03018SS0713**

Lab Sample ID: 240-27016-5 Date Sampled: 07/17/2013 1623

Client Matrix: Solid % Moisture: 11.7 Date Received: 07/17/2013 1752

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Organic Carbon - Quad	8400		mg/Kg	100	1100	1.0	Lloyd Kahn
Analysis Batch: 180-78182	Analysis Date: 07/23/2013 0905						DryWt Corrected: Y
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 240-94478	Analysis Date: 07/22/2013 1320						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: EnSafe, Inc. Job Number: 240-27016-1

Lab Section	Qualifier	Description
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
General Chemistry		
	F	Duplicate RPD exceeds the control limit
	F	MS or MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: EnSafe, Inc. Job Number: 240-27016-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 240-94470					
LCS 240-94470/18-A	Lab Control Sample	T	Solid	3540C	
MB 240-94470/17-A	Method Blank	T	Solid	3540C	
240-27016-1	A03014SS0713	T	Solid	3540C	
240-27016-2	A03015SS0713	T	Solid	3540C	
240-27016-3	A03016SS0713	T	Solid	3540C	
240-27016-4	A03017SS0713	T	Solid	3540C	
240-27016-5	A03018SS0713	T	Solid	3540C	
Analysis Batch:240-94725					
PB 240-94725/2	Preparation / Extraction Blank	T	Solid	8082	
LCS 240-94470/18-A	Lab Control Sample	T	Solid	8082	240-94470
MB 240-94470/17-A	Method Blank	T	Solid	8082	240-94470
240-27016-1	A03014SS0713	T	Solid	8082	240-94470
240-27016-2	A03015SS0713	T	Solid	8082	240-94470
240-27016-3	A03016SS0713	T	Solid	8082	240-94470
240-27016-4	A03017SS0713	T	Solid	8082	240-94470
240-27016-5	A03018SS0713	T	Solid	8082	240-94470

Report Basis
T = Total

General Chemistry

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Analysis Batch:180-78182					
LCS 180-78182/4	Lab Control Sample	T	Solid	Lloyd Kahn	
MB 180-78182/3	Method Blank	T	Solid	Lloyd Kahn	
240-27016-1	A03014SS0713	T	Solid	Lloyd Kahn	
240-27016-2	A03015SS0713	T	Solid	Lloyd Kahn	
240-27016-3	A03016SS0713	T	Solid	Lloyd Kahn	
240-27016-4	A03017SS0713	T	Solid	Lloyd Kahn	
240-27016-5	A03018SS0713	T	Solid	Lloyd Kahn	
240-27016-5DU	Duplicate	T	Solid	Lloyd Kahn	
240-27016-5MS	Matrix Spike	T	Solid	Lloyd Kahn	
240-27016-5MSD	Matrix Spike Duplicate	T	Solid	Lloyd Kahn	
Analysis Batch:240-94478					
240-27016-1	A03014SS0713	T	Solid	Moisture	
240-27016-2	A03015SS0713	T	Solid	Moisture	
240-27016-3	A03016SS0713	T	Solid	Moisture	
240-27016-4	A03017SS0713	T	Solid	Moisture	
240-27016-5	A03018SS0713	T	Solid	Moisture	

Report Basis
T = Total

TestAmerica Canton

Client: EnSafe, Inc.

Job Number: 240-27016-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
240-27016-1	A03014SS0713	60	72	98	106
240-27016-2	A03015SS0713	88	150	79	381X
240-27016-3	A03016SS0713	86	108	86	244X
240-27016-4	A03017SS0713	87	96	74	185X
240-27016-5	A03018SS0713	81	81	74	90
MB 240-94470/17-A		91	85	73	87
LCS 240-94470/18-A		84	89	81	94

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	29-151
DCB = DCB Decachlorobiphenyl	14-163

Method Blank - Batch: 240-94470 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	MB 240-94470/17-A	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-94470	Lab File ID:	P1200018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	07/24/2013 0501	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/22/2013 1236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		21	33
Aroclor 1221	ND		16	33
Aroclor 1232	ND		14	33
Aroclor 1242	ND		13	33
Aroclor 1248	ND		17	33
Aroclor 1254	ND		17	33
Aroclor 1260	ND		17	33
Aroclor 1262	ND		27	33
Aroclor-1268	ND		14	33
Polychlorinated biphenyls, Total	ND		27	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	91	29 - 151
DCB Decachlorobiphenyl	73	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	85	29 - 151
DCB Decachlorobiphenyl	87	14 - 163

Lab Control Sample - Batch: 240-94470 **Method: 8082**
Preparation: 3540C

Lab Sample ID:	LCS 240-94470/18-A	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	240-94470	Lab File ID:	P1200029.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.00 g
Analysis Date:	07/24/2013 0747	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/22/2013 1236			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	333	287	86	62 - 120	
Aroclor 1260	333	291	87	56 - 122	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	84	29 - 151
DCB Decachlorobiphenyl	81	14 - 163

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	29 - 151
DCB Decachlorobiphenyl	94	14 - 163

Client: EnSafe, Inc. Job Number: 240-27016-1

Preparation / Extraction Blank - Batch: 240-94725 **Method: 8082**
Preparation: N/A

Lab Sample ID:	PB 240-94725/2	Analysis Batch:	240-94725	Instrument ID:	A2HP12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P1200002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	07/24/2013 0051	Units:	ug/Kg	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	ND		63	99
Aroclor 1221	ND		48	99
Aroclor 1232	ND		42	99
Aroclor 1242	ND		39	99
Aroclor 1248	ND		51	99
Aroclor 1254	ND		51	99
Aroclor 1260	ND		51	99
Aroclor 1262	ND		81	99
Aroclor-1268	ND		42	99
Polychlorinated biphenyls, Total	ND		81	99

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene		
DCB Decachlorobiphenyl		

Client: EnSafe, Inc. Job Number: 240-27016-1

Method Blank - Batch: 180-78182

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	MB 180-78182/3	Analysis Batch:	180-78182	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	072313x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/23/2013 0656	Units:	mg/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon - Quad	ND		89	1000

Lab Control Sample - Batch: 180-78182

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	LCS 180-78182/4	Analysis Batch:	180-78182	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	072313x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10.55 mg
Analysis Date:	07/23/2013 0717	Units:	mg/Kg	Final Weight/Volume:	10.55 mg
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon - Quad	22900	24000	105	75 - 125	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 180-78182

Method: Lloyd Kahn
Preparation: N/A

MS Lab Sample ID:	240-27016-5	Analysis Batch:	180-78182	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	072313x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	21.125 mg
Analysis Date:	07/23/2013 0931			Final Weight/Volume:	21.125 mg
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	240-27016-5	Analysis Batch:	180-78182	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	072313x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20.825 mg
Analysis Date:	07/23/2013 0958			Final Weight/Volume:	20.825 mg
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Total Organic Carbon - Quad	121	131	75 - 125	6	20		F

Client: EnSafe, Inc. Job Number: 240-27016-1

Duplicate - Batch: 180-78182

Method: Lloyd Kahn
Preparation: N/A

Lab Sample ID:	240-27016-5	Analysis Batch:	180-78182	Instrument ID:	FLASHEA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	072313x.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	21.25 mg
Analysis Date:	07/23/2013 1024	Units:	mg/Kg	Final Weight/Volume:	21.25 mg
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Organic Carbon - Quad	8400	12300	38	20	F

ENSAFE

EnSafe Inc.
800-588-7962

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No. | Page 1 of 1

Project Name: **UTC Carrier - Sanders Creek Sediment Sampling - A03 Additional** | PO No. 14938 | Project No. 0888813924 | Phase 02

Site Location: **UTC- Carrier Syracuse, NY**

Send Results To: **mheflin@ensafe.com; azimmerman@ensafe.com; sgoodnight@ensafe.com**

Ensafe Contact Phone# **May Heflin (615) 255-9300**

Lab Name: **Test America - North Canton** | Turnaround Time(specify): **48-hour TAT**

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	(mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	(3)→ Total No. of Containers	PCB (EPA method 8082)	TOC (Lloyd Kahn Method)	Extra Volume for MS/MSD	HOLD
	A03014SS0713	A03014	7/17/13	1200	SE	N	N/A	2	X	X		
	A03015SS0713	A03015	7/17/13	1230	SE	N	N/A	2	X	X		
	A03016SS0713	A03016	7/17/13	1328	SE	N	N/A	2	X	X		
	A03017SS0713	A03017	7/17/13	1649	SE	N	N/A	2	X	X		
	A03018SS0713	A03018	7/17/13	1623	SE	N	N/A	2	X	X		

240-27016 Chain of Custody

***Field* Comments:**

***Lab* Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes__X__ No_____

Method of Shipment:

Airbill No:

Date Shipped:

	Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1	[signature]	7-17-13	1752	[signature] TA Syr	7-17-13	17:52
2				[signature] TA Canton	7/20/13	9:50
3						

(1) **Matrix Code:** AA=Air, AQ=Air QC Matrix, CK=Caulk, GS=Soil Gas, LF=Free Product, LH=Liquid Waste, MS=Mastic, Oil=Oil, PT=Paint, SC=Cement/Concrete, SE=Sediment, SF=Filter Sandpack, SL=Sludge, SN=Miscellaneous Solid/Building Materials, SO=Soil, SQ=Soil/Solid QC Matrix, ST=Solid Waste, SW=Swab/Wipe, TA=Animal Tissue, TP=Plant Tissue, WG=Ground Water, WL=Leachate, WO=Ocean Water, WP=Drinking Water, WQ=Water QC Matrix, WS=Surface Water, SU=Storm Water, WW=Waste Water

(2) **Sample Type:** AB=Ambient Blank, EB=Equipment Blank, FB=Field Blank, FD=Field Duplicate Sample, FR=Field Replicate, MB=Material Blank, N=Normal Environmental Sample, RB=Material Rinse Blank, TB=Trip Blank

(3) **Preservative added:** HA=Hydrochloric Acid, NI=Nitric Acid, SH=Sodium Hydroxide, SA=Sulfuric Acid, AA=Ascorbic Acid, HX=Hexane, ME=Methanol, SB=sodium bisulfate, ST=Sodium Thiosulfate. If NO preservative added leave blank

Rev. 12/12

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 27016**
Canton Facility

Client EnSafe Site Name _____ Cooler unpacked by:

Cooler Received on 7/20/13 Opened on 7/20/13

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A	(CF –1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 4	(CF 0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	☐ See Multiple Cooler Form
IR GUN# 5	(CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF -0 °C) Observed Cooler Temp. 2.1 °C	Corrected Cooler Temp. 2.1 °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC376062
11. Were VOAs on the COC? Yes (No)
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? Yes (No)

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

Login Sample Receipt Checklist

Client: EnSafe, Inc.

Job Number: 240-27016-1

Login Number: 27016
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 07/20/13 02:55 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	