

REDACTED

Data Validation Checklist
Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA¹
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Karen Marie Trujillo, URS Group
 Concurrence²: Nicole Lancaster / Martha Meyers-Lee, URS Group

Project No: 15268508.20000
 Job ID.: 680-89516-2
 Associated Samples: Refer to Attachment A (Sample Summary)
 Samples Collected: 04/17/2013
 Date: 05/14/2013
 Date: 05/16/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (\leq 7 and 14 days from collection to extraction for aqueous and solid samples, respectively; \leq 40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.	✓				
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAHs were not detected during the analysis of rinsate blank 041513-RB-Shovel (680-89421-10).	

¹ All analytical work subcontracted to TestAmerica of Tampa, FL

² Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. Are equipment/rinsate blanks associated with every sample? If no, note in DV report.	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank, 041513-RB-Shovel (680-89421-10) was collected during the week of 4/15/13. The rinsate blank was analyzed for PAHs under Test America Job ID 680-89421-1.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? <ul style="list-style-type: none"> • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument. 	✓			<ul style="list-style-type: none"> • Instrument ID: BSMA5973 • Initial Calibration: 04/26/2013 • ICV: 04/26/13 @ 11:49 • Instrument ID: BSMD5973 • Initial Calibration: 04/04/2013 • ICV: 04/04/13 @ 16:27 • CCV: 04/25/13 @ 12:21 • CCV: 04/29/13 @ 10:53 	
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> • ICAL (Criteria: ≤ 15 mean %RSD with individual CCC %RSD ≤ 30 ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and RRF ≥ 0.050 (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> ◦ If %RSD > 15 ($> 50\%$ for poor performers), or $r < 0.995$, or $r^2 < 0.995$, then J-flag positive results and UJ-flag non- 		✓		ICV of 04/04/13 @ 16:27, instrument BSMD5973: Benzo[a]pyrene @-23.7 %D (Lab: ≤ 35 , Project: ≤ 20), 76.5%R. A negative bias is indicated by the ICV percent difference and the analyte was detected in the associated samples ³ ; therefore, J flag sample results.	J

³ Associated samples: 680-89516-21 through -28

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>detects</p> <ul style="list-style-type: none"> ○ If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects ● ICV and CCV (Criteria: $\leq 20\%$D ($\leq 50\%$ for poor performers) and RF ≥ 0.050 (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> ○ If %D>20 (>50% for poor performers), then J-flag positive results and UJ-flag non-detects ○ If RF <0.050 (<0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds 					
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R >Upper Control Limit (UCL) and J/R-flag results when %R <Lower Control Limit (LCL).	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects.			✓	LCS Only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			<ul style="list-style-type: none"> ● Pre Batch 136834: 680-89516-21 (CV1264B-CS), MS/MSD ● Prep Batch 136774: 680-89513-23 (CV1321A-CS), MS/MSD. Lab sample 680-89513-23 is a project-specific sample (CV1321A-CS) that was selected by Test America for the PAH MS/MSD analyses, and the results were reported under Job ID 680-89513-2. ● Pre Batch 136818: 680-89516-2 (CV0117B-CS), MS/MSD. Lab sample 680-89516-2 is a project-specific sample (CV0117B-CS) that was selected by Test America for the PAH MS/MSD analyses, and the results were reported under Job ID 680-89516-2. 	
25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> ● If the native sample concentration >4x spiking level, then an evaluation of interference is not possible. ● If either MS or MSD recovery meets control limits, qualification of data is not warranted. 		✓		CV1264B-CS (680-89516-21): <ul style="list-style-type: none"> ● Acenaphthene @ -77 and -85 %R (39-130), J Flag sample result. ● Acenaphthylene @ 31 and 25 %R (38-130), J Flag sample result. ● Anthracene @ -196 and -171 %R (37-130), J Flag sample result. 	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> MS and MSD %R<10: J and R Flag positive and ND results, respectively MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results MS and MSD R% >UCL (or 140): J-Flag positive results 				<ul style="list-style-type: none"> Benzo[a]anthracene @ -344 and -285 %R (40-130). An evaluation of interference is not possible⁴. Benzo[a]pyrene @ -295 and -261 %R (49-130). An evaluation of interference is not possible⁴. Benzo[b]fluoranthene @ -542 and -497 %R (37-130). An evaluation of interference is not possible⁴. Benzo[g,h,i]perlylene @ -106 and -92 %R (32-130), J Flag sample result. Benzo[k]fluoranthene @ -126 and -99 %R (32-130), J Flag sample result. Chrysene @ -357 and -311 %R (41-130). An evaluation of interference is not possible⁴. Dibenz(a,h)anthracene @ -17 and -16 %R (27-130), J Flag sample result. Fluoranthene @ -1078 and -913 (40-130). An evaluation of interference is not possible⁴. Fluorene @ -75 and -73 (40-130), J Flag sample result. Indeno[1,2,3-cd]pyrene @ -103 and -87 %R (30-130), J Flag sample result. 1-Methylnaphthalene @ 17 and -6 %R (31-130), J Flag sample result. 2-Methylnaphthalene @ 16 and -7 %R (33-130), J Flag sample result. Naphthalene @ 0.5 and -17 %R (36-130), J Flag sample result. Phenanthrene @ -1029 and -942 %R (42-130). An evaluation of interference is not possible⁴. Pyrene @ -665 and -565 %R (44-130). An evaluation of interference is not possible⁴. 	
26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> If the native sample concentration >4x spiking level, then an evaluation of interference is not possible. If %RPD > UCL, J-flag positive result and UJ-flag non-detect result. 	✓			CV1264B-CS (680-89516-21): <ul style="list-style-type: none"> Fluoranthene @ 57 %RPD (\leq40). An evaluation of interference is not possible⁴. Phenanthrene @ 47 %RPD (\leq40). An evaluation of interference is not possible⁴. Pyrene @ 50 %RPD (\leq40). An evaluation of interference is not possible⁴. 	

⁴ The native sample concentration is greater than 4x the MS/MSD spiking level.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
27. Were surrogate recoveries within lab/project specifications? <ul style="list-style-type: none"> • If %R for 1 Acid or BN surrogates <10, then J-flag positive and R-flag non-detect associated sample results • If 2 or more Acid or BN %R >UCL, then J-flag positive results • If 2 or more Acid or BN %R \geq10%, but <LCL, then J-flag positive results and UJ-flag non-detect results • If 2 or more Acid or BN , with 1 %R >UCL and 1 %R \geq10%, but <LCL, then J-flag positive results and UJ-flag non-detect results 	✓				
28. Were internal standard (IS) results within lab/project specifications? <ul style="list-style-type: none"> • If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met. 	✓				
29. Were lab comments included in report?	✓			Refer to Attachment B (Case Narrative)	
Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review</i> (EPA, October 1999) and <i>USEPA CLP NFG for Low Concentration Organic Methods Data Review</i> (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment C). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

Data Validation Checklist (Continued)

DV Flag Definitions:

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- R The sample results are unusable. The analyte may or may not be present in the sample.
- U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
- UJ The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89516-21	CV1264B-CS	Solid	04/17/13 15:00	04/19/13 08:50
680-89516-22	CV1264C-GS	Solid	04/17/13 15:10	04/19/13 08:50
680-89516-23	CV1371A-CS	Solid	04/17/13 14:20	04/19/13 08:50
680-89516-24	CV1371B-CS	Solid	04/17/13 14:30	04/19/13 08:50
680-89516-25	CV0516A-CS-SP	Solid	04/17/13 13:40	04/19/13 08:50
680-89516-26	CV0516B-CS-SP	Solid	04/17/13 13:50	04/19/13 08:50
680-89516-27	CV0516C-CS-SP	Solid	04/17/13 14:00	04/19/13 08:50
680-89516-28	HP0311A-CS-SP	Solid	04/17/13 15:00	04/19/13 08:50
680-89516-29	HP0311B-CS-SP	Solid	04/17/13 15:10	04/19/13 08:50

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ATTACHMENT B
CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

Job ID: 680-89516-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89516-2

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.

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.

RECEIPT

The samples were received on 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

SEMOVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1264B-CS (680-89516-21), CV1264C-GS (680-89516-22), CV1371A-CS (680-89516-23), CV1371B-CS (680-89516-24), CV0516A-CS-SP (680-89516-25), CV0516B-CS-SP (680-89516-26), CV0516C-CS-SP (680-89516-27), HP0311A-CS-SP (680-89516-28) and HP0311B-CS-SP (680-89516-29) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/24/2013 and 04/25/2013 and analyzed on 04/25/2013, 04/26/2013 and 04/29/2013.

Samples CV1264B-CS (680-89516-21)[4X], CV0516B-CS-SP (680-89516-26)[4X], HP0311A-CS-SP (680-89516-28)[4X] and HP0311B-CS-SP (680-89516-29)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS of sample 680-89513-23 in batch 660-136899.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1264B-CS (680-89516-21) in batch 660-136926. Fluoranthene, Phenanthrene and Pyrene exceeded the rpd limit.

Naphthalene recovered outside the recovery criteria for the MSD of sample 680-89516-2 in batch 660-136892. 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene and Phenanthrene exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the SVOAs analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV1264B-CS

Date Collected: 04/17/13 15:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-21

Matrix: Solid
 Percent Solids: 80.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1000	F J	500	100	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Acenaphthylene	160	/F	200	25	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Anthracene	2200	F	42	21	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Benzo[a]anthracene	4100	F	40	20	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Benzo[a]pyrene	3500	F	52	26	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Benzo[b]fluoranthene	6200	F	61	31	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Benzo[g,h,i]perylene	1400	F J	100	22	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Benzo[k]fluoranthene	1900	F J	40	18	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Chrysene	4100	F	45	23	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Dibenz(a,h)anthracene	570	F J	100	21	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Fluoranthene	11000	F	100	20	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Fluorene	1000	F J	100	21	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Indeno[1,2,3-cd]pyrene	1400	F	100	36	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
1-Methylnaphthalene	450	F	200	22	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
2-Methylnaphthalene	470	F	200	36	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Naphthalene	540	F	200	22	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Phenanthrene	9800	F	40	20	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Pyrene	6800	F	100	19	ug/Kg	✉	04/25/13 12:29	04/29/13 17:40	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	53		30 - 130				04/25/13 12:29	04/29/13 17:40	4

Client Sample ID: CV1264C-GS

Date Collected: 04/17/13 15:10
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-22

Matrix: Solid
 Percent Solids: 75.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	38	J	130	27	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Acenaphthylene	69		53	6.6	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Anthracene	150		11	5.6	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Benzo[a]anthracene	530		11	5.2	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Benzo[a]pyrene	500	J	14	6.9	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Benzo[b]fluoranthene	980		16	8.1	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Benzo[g,h,i]perylene	220		27	5.8	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Benzo[k]fluoranthene	290		11	4.8	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Chrysene	560		12	6.0	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Dibenz(a,h)anthracene	83		27	5.5	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Fluoranthene	930		27	5.3	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Fluorene	36		27	5.5	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Indeno[1,2,3-cd]pyrene	200		27	9.4	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
1-Methylnaphthalene	130		53	5.8	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
2-Methylnaphthalene	160		53	9.4	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Naphthalene	140		53	5.8	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Phenanthrene	490		11	5.2	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Pyrene	690		27	4.9	ug/Kg	✉	04/24/13 09:50	04/25/13 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	53		30 - 130				04/24/13 09:50	04/25/13 21:25	1

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Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV1371A-CS

Date Collected: 04/17/13 14:20
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-23

Matrix: Solid
 Percent Solids: 74.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Acenaphthylene	15	J	54	6.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Anthracene	28		11	5.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[a]anthracene	130		11	5.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[a]pyrene	130	J	14	7.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[b]fluoranthene	230		17	8.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[g,h,i]perylene	62		27	6.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[k]fluoranthene	81		11	4.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Chrysene	160		12	6.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Dibenz(a,h)anthracene	23	J	27	5.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Fluoranthene	200		27	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Fluorene	7.4	J	27	5.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Indeno[1,2,3-cd]pyrene	56		27	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
1-Methylnaphthalene	99		54	6.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
2-Methylnaphthalene	150		54	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Naphthalene	180		54	6.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Phenanthrene	140		11	5.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Pyrene	150		27	5.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		72		30 - 130			04/24/13 09:50	04/25/13 21:48	1

Client Sample ID: CV1371B-CS

Date Collected: 04/17/13 14:30
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-24

Matrix: Solid
 Percent Solids: 74.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Acenaphthylene	56		52	6.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Anthracene	190		11	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[a]anthracene	540		10	5.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[a]pyrene	470	J	14	6.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[b]fluoranthene	810		16	8.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[g,h,i]perylene	190		26	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[k]fluoranthene	330		10	4.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Chrysene	510		12	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Dibenz(a,h)anthracene	70		26	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Fluoranthene	1000		26	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Fluorene	44		26	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Indeno[1,2,3-cd]pyrene	170		26	9.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
1-Methylnaphthalene	130		52	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
2-Methylnaphthalene	130		52	9.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Naphthalene	110		52	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Phenanthrene	600		10	5.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Pyrene	700		26	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		65		30 - 130			04/24/13 09:50	04/25/13 22:11	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV0516A-CS-SP

Date Collected: 04/17/13 13:40
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-25

Matrix: Solid
 Percent Solids: 74.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Acenaphthylene	15	J	54	6.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Anthracene	27		11	5.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[a]anthracene	110		11	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[a]pyrene	100	J	14	7.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[b]fluoranthene	210		16	8.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[g,h,i]perylene	54		27	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[k]fluoranthene	73		11	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Chrysene	130		12	6.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Dibenz(a,h)anthracene	20	J	27	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Fluoranthene	170		27	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Fluorene	5.5	J	27	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Indeno[1,2,3-cd]pyrene	50		27	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
1-Methylnaphthalene	28	J	54	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
2-Methylnaphthalene	39	J	54	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Naphthalene	36	J	54	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Phenanthrene	79		11	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Pyrene	120		27	5.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		67			30 - 130		04/24/13 09:50	04/25/13 22:33	1

Client Sample ID: CV0516B-CS-SP

Date Collected: 04/17/13 13:50
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-26

Matrix: Solid
 Percent Solids: 77.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	110	J	510	100	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Acenaphthylene	52	J	210	26	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Anthracene	400		43	22	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[a]anthracene	1200		41	20	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[a]pyrene	950	J	53	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[b]fluoranthene	1800		63	31	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[g,h,i]perylene	370		100	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[k]fluoranthene	640		41	18	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Chrysene	1100		46	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Dibenz(a,h)anthracene	160		100	21	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Fluoranthene	2500		100	21	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Fluorene	90	J	100	21	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Indeno[1,2,3-cd]pyrene	370		100	36	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
1-Methylnaphthalene	130	J	210	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
2-Methylnaphthalene	140	J	210	36	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Naphthalene	110	J	210	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Phenanthrene	1700		41	20	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Pyrene	1700		100	19	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		71			30 - 130		04/24/13 09:50	04/25/13 22:55	4

Sample results have been qualified by URS in accordance with the Non-Industrial Use Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV0516C-CS-SP

Date Collected: 04/17/13 14:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-27

Matrix: Solid
 Percent Solids: 84.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Acenaphthylene	23	J	47	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Anthracene	31		9.9	5.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[a]anthracene	120		9.4	4.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[a]pyrene	130	J	12	6.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[b]fluoranthene	260		14	7.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[g,h,i]perylene	57		24	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[k]fluoranthene	73		9.4	4.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Chrysene	150		11	5.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Dibenz(a,h)anthracene	22	J	24	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Fluoranthene	170		24	4.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Fluorene	5.1	J	24	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Indeno[1,2,3-cd]pyrene	56		24	8.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
1-Methylnaphthalene	68		47	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
2-Methylnaphthalene	82		47	8.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Naphthalene	60		47	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Phenanthrene	100		9.4	4.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Pyrene	140		24	4.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		71			30 - 130		04/24/13 09:50	04/25/13 23:18	1

Client Sample ID: HP0311A-CS-SP

Date Collected: 04/17/13 15:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-28

Matrix: Solid
 Percent Solids: 64.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	620	U	620	120	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Acenaphthylene	55	J	250	31	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Anthracene	88		52	26	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[a]anthracene	380		50	24	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[a]pyrene	320	J	64	32	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[b]fluoranthene	660		76	38	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[g,h,i]perylene	150		120	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[k]fluoranthene	170		50	22	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Chrysene	440		56	28	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Dibenz(a,h)anthracene	59	J	120	25	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Fluoranthene	640		120	25	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Fluorene	35	J	120	25	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Indeno[1,2,3-cd]pyrene	120		120	44	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
1-Methylnaphthalene	250		250	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
2-Methylnaphthalene	300		250	44	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Naphthalene	250		250	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Phenanthrene	440		50	24	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Pyrene	480		120	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		60			30 - 130		04/24/13 09:50	04/25/13 23:41	4

Sample results have been qualified by URS in accordance with the Non-Industrial Use Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: HP0311B-CS-SP

Date Collected: 04/17/13 15:10
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-29

Matrix: Solid
 Percent Solids: 71.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	560	U	560	110	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Acenaphthylene	400		220	28	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Anthracene	350		47	23	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[a]anthracene	870		45	22	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[a]pyrene	910		58	29	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[b]fluoranthene	1700		68	34	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[g,h,i]perylene	610		110	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[k]fluoranthene	410		45	20	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Chrysene	1100		50	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Dibenz(a,h)anthracene	240		110	23	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Fluoranthene	1600		110	22	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Fluorene	43 J		110	23	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Indeno[1,2,3-cd]pyrene	710		110	40	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
1-Methylnaphthalene	110 J		220	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
2-Methylnaphthalene	150 J		220	40	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Naphthalene	200 J		220	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Phenanthrene	590		45	22	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Pyrene	1100		110	21	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Surrogate	%Recovery	Qualifier		Limits			Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	73			30 - 130			04/25/13 09:13	04/26/13 19:35	4

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue
Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-89516-2

TestAmerica Sample Delivery Group: 68089516-2

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

5/1/2013 4:48:22 PM

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

Job ID: 680-89516-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89516-2

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.

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.

RECEIPT

The samples were received on 04/19/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.6 C.

SEMOVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1264B-CS (680-89516-21), CV1264C-GS (680-89516-22), CV1371A-CS (680-89516-23), CV1371B-CS (680-89516-24), CV0516A-CS-SP (680-89516-25), CV0516B-CS-SP (680-89516-26), CV0516C-CS-SP (680-89516-27), HP0311A-CS-SP (680-89516-28) and HP0311B-CS-SP (680-89516-29) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/24/2013 and 04/25/2013 and analyzed on 04/25/2013, 04/26/2013 and 04/29/2013.

Samples CV1264B-CS (680-89516-21)[4X], CV0516B-CS-SP (680-89516-26)[4X], HP0311A-CS-SP (680-89516-28)[4X] and HP0311B-CS-SP (680-89516-29)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS of sample 680-89513-23 in batch 660-136899.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1264B-CS (680-89516-21) in batch 660-136926. Fluoranthene, Phenanthrene and Pyrene exceeded the rpd limit.

Naphthalene recovered outside the recovery criteria for the MSD of sample 680-89516-2 in batch 660-136892. 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene and Phenanthrene exceeded the rpd limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the SVOAs analyses.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89516-21	CV1264B-CS	Solid	04/17/13 15:00	04/19/13 08:50
680-89516-22	CV1264C-GS	Solid	04/17/13 15:10	04/19/13 08:50
680-89516-23	CV1371A-CS	Solid	04/17/13 14:20	04/19/13 08:50
680-89516-24	CV1371B-CS	Solid	04/17/13 14:30	04/19/13 08:50
680-89516-25	CV0516A-CS-SP	Solid	04/17/13 13:40	04/19/13 08:50
680-89516-26	CV0516B-CS-SP	Solid	04/17/13 13:50	04/19/13 08:50
680-89516-27	CV0516C-CS-SP	Solid	04/17/13 14:00	04/19/13 08:50
680-89516-28	HP0311A-CS-SP	Solid	04/17/13 15:00	04/19/13 08:50
680-89516-29	HP0311B-CS-SP	Solid	04/17/13 15:10	04/19/13 08:50

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Method Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

Method	Method Description	Protocol	Laboratory
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL TAM
Moisture	Percent Moisture	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

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Definitions/Glossary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
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
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV1264B-CS

Date Collected: 04/17/13 15:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-21

Matrix: Solid
 Percent Solids: 80.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1000	F	500	100	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Acenaphthylene	160	J F	200	25	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Anthracene	2200	F	42	21	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Benzo[a]anthracene	4100	F	40	20	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Benzo[a]pyrene	3500	F	52	26	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Benzo[b]fluoranthene	6200	F	61	31	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Benzo[g,h,i]perylene	1400	F	100	22	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Benzo[k]fluoranthene	1900	F	40	18	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Chrysene	4100	F	45	23	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Dibenz(a,h)anthracene	570	F	100	21	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Fluoranthene	11000	F	100	20	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Fluorene	1000	F	100	21	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Indeno[1,2,3-cd]pyrene	1400	F	100	36	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
1-Methylnaphthalene	450	F	200	22	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
2-Methylnaphthalene	470	F	200	36	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Naphthalene	540	F	200	22	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Phenanthrene	9800	F	40	20	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Pyrene	6800	F	100	19	ug/Kg	⊗	04/25/13 12:29	04/29/13 17:40	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	53		30 - 130				04/25/13 12:29	04/29/13 17:40	4

Client Sample ID: CV1264C-GS

Date Collected: 04/17/13 15:10
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-22

Matrix: Solid
 Percent Solids: 75.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	38	J	130	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Acenaphthylene	69		53	6.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Anthracene	150		11	5.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Benzo[a]anthracene	530		11	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Benzo[a]pyrene	500		14	6.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Benzo[b]fluoranthene	980		16	8.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Benzo[g,h,i]perylene	220		27	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Benzo[k]fluoranthene	290		11	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Chrysene	560		12	6.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Dibenz(a,h)anthracene	83		27	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Fluoranthene	930		27	5.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Fluorene	36		27	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Indeno[1,2,3-cd]pyrene	200		27	9.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
1-Methylnaphthalene	130		53	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
2-Methylnaphthalene	160		53	9.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Naphthalene	140		53	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Phenanthrene	490		11	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Pyrene	690		27	4.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	53		30 - 130				04/24/13 09:50	04/25/13 21:25	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV1371A-CS

Date Collected: 04/17/13 14:20
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-23

Matrix: Solid
 Percent Solids: 74.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Acenaphthylene	15	J	54	6.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Anthracene	28		11	5.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[a]anthracene	130		11	5.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[a]pyrene	130		14	7.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[b]fluoranthene	230		17	8.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[g,h,i]perylene	62		27	6.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Benzo[k]fluoranthene	81		11	4.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Chrysene	160		12	6.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Dibenz(a,h)anthracene	23	J	27	5.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Fluoranthene	200		27	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Fluorene	7.4	J	27	5.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Indeno[1,2,3-cd]pyrene	56		27	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
1-Methylnaphthalene	99		54	6.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
2-Methylnaphthalene	150		54	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Naphthalene	180		54	6.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Phenanthrene	140		11	5.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Pyrene	150		27	5.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 21:48	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		72		30 - 130			04/24/13 09:50	04/25/13 21:48	1

Client Sample ID: CV1371B-CS

Date Collected: 04/17/13 14:30
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-24

Matrix: Solid
 Percent Solids: 74.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Acenaphthylene	56		52	6.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Anthracene	190		11	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[a]anthracene	540		10	5.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[a]pyrene	470		14	6.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[b]fluoranthene	810		16	8.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[g,h,i]perylene	190		26	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Benzo[k]fluoranthene	330		10	4.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Chrysene	510		12	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Dibenz(a,h)anthracene	70		26	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Fluoranthene	1000		26	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Fluorene	44		26	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Indeno[1,2,3-cd]pyrene	170		26	9.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
1-Methylnaphthalene	130		52	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
2-Methylnaphthalene	130		52	9.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Naphthalene	110		52	5.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Phenanthrene	600		10	5.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Pyrene	700		26	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:11	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		65		30 - 130			04/24/13 09:50	04/25/13 22:11	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV0516A-CS-SP

Lab Sample ID: 680-89516-25

Date Collected: 04/17/13 13:40
 Date Received: 04/19/13 08:50

Matrix: Solid

Percent Solids: 74.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Acenaphthylene	15	J	54	6.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Anthracene	27		11	5.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[a]anthracene	110		11	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[a]pyrene	100		14	7.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[b]fluoranthene	210		16	8.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[g,h,i]perylene	54		27	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Benzo[k]fluoranthene	73		11	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Chrysene	130		12	6.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Dibenz(a,h)anthracene	20	J	27	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Fluoranthene	170		27	5.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Fluorene	5.5	J	27	5.5	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Indeno[1,2,3-cd]pyrene	50		27	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
1-Methylnaphthalene	28	J	54	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
2-Methylnaphthalene	39	J	54	9.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Naphthalene	36	J	54	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Phenanthrene	79		11	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Pyrene	120		27	5.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:33	1
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		67			30 - 130		04/24/13 09:50	04/25/13 22:33	1

Client Sample ID: CV0516B-CS-SP

Lab Sample ID: 680-89516-26

Date Collected: 04/17/13 13:50
 Date Received: 04/19/13 08:50

Matrix: Solid

Percent Solids: 77.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	110	J	510	100	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Acenaphthylene	52	J	210	26	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Anthracene	400		43	22	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[a]anthracene	1200		41	20	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[a]pyrene	950		53	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[b]fluoranthene	1800		63	31	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[g,h,i]perylene	370		100	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Benzo[k]fluoranthene	640		41	18	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Chrysene	1100		46	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Dibenz(a,h)anthracene	160		100	21	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Fluoranthene	2500		100	21	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Fluorene	90	J	100	21	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Indeno[1,2,3-cd]pyrene	370		100	36	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
1-Methylnaphthalene	130	J	210	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
2-Methylnaphthalene	140	J	210	36	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Naphthalene	110	J	210	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Phenanthrene	1700		41	20	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Pyrene	1700		100	19	ug/Kg	⊗	04/24/13 09:50	04/25/13 22:55	4
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		71			30 - 130		04/24/13 09:50	04/25/13 22:55	4

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV0516C-CS-SP

Date Collected: 04/17/13 14:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-27

Matrix: Solid
 Percent Solids: 84.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Acenaphthylene	23	J	47	5.9	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Anthracene	31		9.9	5.0	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[a]anthracene	120		9.4	4.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[a]pyrene	130		12	6.1	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[b]fluoranthene	260		14	7.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[g,h,i]perylene	57		24	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Benzo[k]fluoranthene	73		9.4	4.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Chrysene	150		11	5.3	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Dibenz(a,h)anthracene	22	J	24	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Fluoranthene	170		24	4.7	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Fluorene	5.1	J	24	4.8	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Indeno[1,2,3-cd]pyrene	56		24	8.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
1-Methylnaphthalene	68		47	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
2-Methylnaphthalene	82		47	8.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Naphthalene	60		47	5.2	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Phenanthrene	100		9.4	4.6	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Pyrene	140		24	4.4	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	71		30 - 130				04/24/13 09:50	04/25/13 23:18	1

Client Sample ID: HP0311A-CS-SP

Date Collected: 04/17/13 15:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-28

Matrix: Solid
 Percent Solids: 64.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	620	U	620	120	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Acenaphthylene	55	J	250	31	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Anthracene	88		52	26	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[a]anthracene	380		50	24	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[a]pyrene	320		64	32	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[b]fluoranthene	660		76	38	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[g,h,i]perylene	150		120	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Benzo[k]fluoranthene	170		50	22	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Chrysene	440		56	28	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Dibenz(a,h)anthracene	59	J	120	25	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Fluoranthene	640		120	25	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Fluorene	35	J	120	25	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Indeno[1,2,3-cd]pyrene	120		120	44	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
1-Methylnaphthalene	250		250	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
2-Methylnaphthalene	300		250	44	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Naphthalene	250		250	27	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Phenanthrene	440		50	24	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Pyrene	480		120	23	ug/Kg	⊗	04/24/13 09:50	04/25/13 23:41	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	60		30 - 130				04/24/13 09:50	04/25/13 23:41	4

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: HP0311B-CS-SP

Lab Sample ID: 680-89516-29

Date Collected: 04/17/13 15:10
 Date Received: 04/19/13 08:50

Matrix: Solid
 Percent Solids: 71.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	560	U	560	110	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Acenaphthylene	400		220	28	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Anthracene	350		47	23	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[a]anthracene	870		45	22	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[a]pyrene	910		58	29	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[b]fluoranthene	1700		68	34	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[g,h,i]perylene	610		110	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Benzo[k]fluoranthene	410		45	20	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Chrysene	1100		50	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Dibenz(a,h)anthracene	240		110	23	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Fluoranthene	1600		110	22	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Fluorene	43 J		110	23	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Indeno[1,2,3-cd]pyrene	710		110	40	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
1-Methylnaphthalene	110 J		220	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
2-Methylnaphthalene	150 J		220	40	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Naphthalene	200 J		220	25	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Phenanthrene	590		45	22	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Pyrene	1100		110	21	ug/Kg	⊗	04/25/13 09:13	04/26/13 19:35	4
Surrogate		%Recovery		Qualifier		Limits			
<i>o-Terphenyl</i>		73				30 - 130			
							Prepared	Analyzed	Dil Fac
							04/25/13 09:13	04/26/13 19:35	4

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 660-136774/1-A

Matrix: Solid

Analysis Batch: 136899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136774

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	99	U	99	20	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Acenaphthylene	39	U	39	4.9	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Anthracene	8.3	U	8.3	4.1	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Benzo[a]anthracene	7.9	U	7.9	3.8	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Benzo[a]pyrene	10	U	10	5.1	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Benzo[b]fluoranthene	12	U	12	6.0	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Benzo[g,h,i]perylene	20	U	20	4.3	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Benzo[k]fluoranthene	7.9	U	7.9	3.6	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Chrysene	8.9	U	8.9	4.4	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Dibenz(a,h)anthracene	20	U	20	4.0	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Fluoranthene	20	U	20	3.9	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Fluorene	20	U	20	4.0	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Indeno[1,2,3-cd]pyrene	20	U	20	7.0	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
1-Methylnaphthalene	39	U	39	4.3	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
2-Methylnaphthalene	39	U	39	7.0	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Naphthalene	39	U	39	4.3	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Phenanthrene	7.9	U	7.9	3.8	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Pyrene	20	U	20	3.6	ug/Kg	04/24/13 09:50	04/25/13 15:03		1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
<i>o-Terphenyl</i>	73		30 - 130	04/24/13 09:50	04/25/13 15:03	1			

Lab Sample ID: LCS 660-136774/2-A

Matrix: Solid

Analysis Batch: 136899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136774

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits		
	Added	Result	Qualifier						
Acenaphthene	664	338		ug/Kg		51	39 - 130		
Acenaphthylene	664	354		ug/Kg		53	38 - 130		
Anthracene	664	347		ug/Kg		52	37 - 130		
Benzo[a]anthracene	664	371		ug/Kg		56	40 - 130		
Benzo[a]pyrene	664	335		ug/Kg		50	49 - 130		
Benzo[b]fluoranthene	664	389		ug/Kg		59	37 - 130		
Benzo[g,h,i]perylene	664	374		ug/Kg		56	32 - 130		
Benzo[k]fluoranthene	664	369		ug/Kg		56	32 - 130		
Chrysene	664	343		ug/Kg		52	41 - 130		
Dibenz(a,h)anthracene	664	390		ug/Kg		59	27 - 130		
Fluoranthene	664	384		ug/Kg		58	40 - 130		
Fluorene	664	377		ug/Kg		57	40 - 130		
Indeno[1,2,3-cd]pyrene	664	376		ug/Kg		57	30 - 130		
1-Methylnaphthalene	664	371		ug/Kg		56	31 - 130		
2-Methylnaphthalene	664	363		ug/Kg		55	33 - 130		
Naphthalene	664	343		ug/Kg		52	36 - 130		
Phenanthrene	664	350		ug/Kg		53	42 - 130		
Pyrene	664	329		ug/Kg		50	44 - 130		

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136774/2-A

Matrix: Solid

Analysis Batch: 136899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136774

Surrogate	LCS	LCS	%Recovery	Qualifier	Limits
o-Terphenyl			54		30 - 130

Lab Sample ID: MB 660-136818/1-A

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136818

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene			98	U	98	20	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Acenaphthylene			39	U	39	4.9	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Anthracene			8.3	U	8.3	4.1	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Benzo[a]anthracene			7.9	U	7.9	3.8	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Benzo[a]pyrene			10	U	10	5.1	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Benzo[b]fluoranthene			12	U	12	6.0	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Benzo[g,h,i]perylene			20	U	20	4.3	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Benzo[k]fluoranthene			7.9	U	7.9	3.5	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Chrysene			8.8	U	8.8	4.4	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Dibenz(a,h)anthracene			20	U	20	4.0	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Fluoranthene			20	U	20	3.9	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Fluorene			20	U	20	4.0	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Indeno[1,2,3-cd]pyrene			20	U	20	7.0	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
1-Methylnaphthalene			39	U	39	4.3	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
2-Methylnaphthalene			39	U	39	7.0	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Naphthalene			39	U	39	4.3	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Phenanthrene			7.9	U	7.9	3.8	ug/Kg		04/25/13 09:13	04/26/13 13:49	1
Pyrene			20	U	20	3.6	ug/Kg		04/25/13 09:13	04/26/13 13:49	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits
o-Terphenyl			68		30 - 130

Lab Sample ID: LCS 660-136818/2-A

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136818

Analyte	Spike	LCS		Unit	D	%Rec	Limits
		Added	Result				
Acenaphthene		657	463	ug/Kg		70	39 - 130
Acenaphthylene		657	457	ug/Kg		70	38 - 130
Anthracene		657	497	ug/Kg		76	37 - 130
Benzo[a]anthracene		657	489	ug/Kg		74	40 - 130
Benzo[a]pyrene		657	475	ug/Kg		72	49 - 130
Benzo[b]fluoranthene		657	498	ug/Kg		76	37 - 130
Benzo[g,h,i]perylene		657	499	ug/Kg		76	32 - 130
Benzo[k]fluoranthene		657	505	ug/Kg		77	32 - 130
Chrysene		657	472	ug/Kg		72	41 - 130
Dibenz(a,h)anthracene		657	570	ug/Kg		87	27 - 130
Fluoranthene		657	538	ug/Kg		82	40 - 130
Fluorene		657	472	ug/Kg		72	40 - 130
Indeno[1,2,3-cd]pyrene		657	525	ug/Kg		80	30 - 130
1-Methylnaphthalene		657	516	ug/Kg		79	31 - 130

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136818/2-A

Matrix: Solid

Analysis Batch: 136892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136818

Analyte	Spike Added	LCS			Unit	D	%Rec.	Limits
		Result	Qualifier	LCS				
2-Methylnaphthalene	657	498		ug/Kg	76	33 - 130		
Naphthalene	657	463		ug/Kg	70	36 - 130		
Phenanthrene	657	471		ug/Kg	72	42 - 130		
Pyrene	657	495		ug/Kg	75	44 - 130		
Surrogate		LCS	LCS					
o-Terphenyl		%Recovery	Qualifier	Limits				
		74		30 - 130				

Lab Sample ID: MB 660-136834/1-A

Matrix: Solid

Analysis Batch: 136926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136834

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared		Dil Fac
							Prepared	Analyzed	
Acenaphthene	100	U	100	20	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Acenaphthylene	40	U	40	5.0	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Anthracene	8.4	U	8.4	4.2	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Benzo[a]anthracene	8.0	U	8.0	3.9	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Benzo[a]pyrene	10	U	10	5.2	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Benzo[b]fluoranthene	12	U	12	6.1	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Benzo[g,h,i]perylene	20	U	20	4.4	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Benzo[k]fluoranthene	8.0	U	8.0	3.6	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Chrysene	9.0	U	9.0	4.5	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Dibenz(a,h)anthracene	20	U	20	4.1	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Fluoranthene	20	U	20	4.0	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Fluorene	20	U	20	4.1	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Indeno[1,2,3-cd]pyrene	20	U	20	7.1	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
1-Methylnaphthalene	40	U	40	4.4	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
2-Methylnaphthalene	40	U	40	7.1	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Naphthalene	40	U	40	4.4	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Phenanthrene	8.0	U	8.0	3.9	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Pyrene	20	U	20	3.7	ug/Kg	04/25/13 12:29	04/29/13 12:01		1
Surrogate		MB	MB						
o-Terphenyl		%Recovery	Qualifier	Limits					
		49		30 - 130					
							Prepared	Analyzed	Dil Fac
							04/25/13 12:29	04/29/13 12:01	1

Lab Sample ID: LCS 660-136834/2-A

Matrix: Solid

Analysis Batch: 136926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136834

Analyte	Spike Added	LCS			Unit	D	%Rec.	Limits
		Result	Qualifier	LCS				
Acenaphthene	669	341		ug/Kg	51	39 - 130		
Acenaphthylene	669	360		ug/Kg	54	38 - 130		
Anthracene	669	359		ug/Kg	54	37 - 130		
Benzo[a]anthracene	669	392		ug/Kg	59	40 - 130		
Benzo[a]pyrene	669	344		ug/Kg	51	49 - 130		
Benzo[b]fluoranthene	669	412		ug/Kg	62	37 - 130		
Benzo[g,h,i]perylene	669	382		ug/Kg	57	32 - 130		
Benzo[k]fluoranthene	669	381		ug/Kg	57	32 - 130		

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-136834/2-A

Matrix: Solid

Analysis Batch: 136926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136834

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Chrysene	669	359		ug/Kg		54	41 - 130
Dibenz(a,h)anthracene	669	399		ug/Kg		60	27 - 130
Fluoranthene	669	391		ug/Kg		59	40 - 130
Fluorene	669	382		ug/Kg		57	40 - 130
Indeno[1,2,3-cd]pyrene	669	372		ug/Kg		56	30 - 130
1-Methylnaphthalene	669	391		ug/Kg		58	31 - 130
2-Methylnaphthalene	669	379		ug/Kg		57	33 - 130
Naphthalene	669	366		ug/Kg		55	36 - 130
Phenanthrene	669	358		ug/Kg		53	42 - 130
Pyrene	669	356		ug/Kg		53	44 - 130
Surrogate		LCS	LCS				
Surrogate		%Recovery	Qualifier	Limits			
<i>o-Terphenyl</i>		57		30 - 130			

Lab Sample ID: 680-89516-21 MS

Matrix: Solid

Analysis Batch: 136926

Client Sample ID: CV1264B-CS

Prep Type: Total/NA

Prep Batch: 136834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	1000	F	836	398	J F	ug/Kg	⊗	-77	39 - 130
Acenaphthylene	160	J F	836	423	F	ug/Kg	⊗	31	38 - 130
Anthracene	2200	F	836	578	F	ug/Kg	⊗	-196	37 - 130
Benzo[a]anthracene	4100	F	836	1190	4	ug/Kg	⊗	-344	40 - 130
Benzo[a]pyrene	3500	F	836	999	4	ug/Kg	⊗	-295	49 - 130
Benzo[b]fluoranthene	6200	F	836	1680	4	ug/Kg	⊗	-542	37 - 130
Benzo[g,h,i]perylene	1400	F	836	530	F	ug/Kg	⊗	-106	32 - 130
Benzo[k]fluoranthene	1900	F	836	889	F	ug/Kg	⊗	-126	32 - 130
Chrysene	4100	F	836	1140	4	ug/Kg	⊗	-357	41 - 130
Dibenz(a,h)anthracene	570	F	836	425	F	ug/Kg	⊗	-17	27 - 130
Fluoranthene	11000	F	836	1720	4	ug/Kg	⊗	-1078	40 - 130
Fluorene	1000	F	836	409	F	ug/Kg	⊗	-75	40 - 130
Indeno[1,2,3-cd]pyrene	1400	F	836	585	F	ug/Kg	⊗	-103	30 - 130
1-Methylnaphthalene	450	F	836	589	F	ug/Kg	⊗	17	31 - 130
2-Methylnaphthalene	470	F	836	604	F	ug/Kg	⊗	16	33 - 130
Naphthalene	540	F	836	543	F	ug/Kg	⊗	0.5	36 - 130
Phenanthrene	9800	F	836	1170	4	ug/Kg	⊗	-1029	42 - 130
Pyrene	6800	F	836	1270	4	ug/Kg	⊗	-665	44 - 130
Surrogate		MS	MS						
Surrogate		%Recovery	Qualifier	Limits					
<i>o-Terphenyl</i>		43		30 - 130					

Lab Sample ID: 680-89516-21 MSD

Matrix: Solid

Analysis Batch: 136926

Client Sample ID: CV1264B-CS

Prep Type: Total/NA

Prep Batch: 136834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Acenaphthene	1000	F	836	328	J F	ug/Kg	⊗	-85	39 - 130	19	40
Acenaphthylene	160	J F	836	369	F	ug/Kg	⊗	25	38 - 130	14	40

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-89516-21 MSD

Matrix: Solid

Analysis Batch: 136926

Client Sample ID: CV1264B-CS

Prep Type: Total/NA

Prep Batch: 136834

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Anthracene	2200	F	836	785	F	ug/Kg	⊗	-171	37 - 130	30	40
Benzo[a]anthracene	4100	F	836	1680	4	ug/Kg	⊗	-285	40 - 130	34	40
Benzo[a]pyrene	3500	F	836	1290	4	ug/Kg	⊗	-261	49 - 130	25	40
Benzo[b]fluoranthene	6200	F	836	2060	4	ug/Kg	⊗	-497	37 - 130	20	40
Benzo[g,h,i]perylene	1400	F	836	646	F	ug/Kg	⊗	-92	32 - 130	20	40
Benzo[k]fluoranthene	1900	F	836	1110	F	ug/Kg	⊗	-99	32 - 130	22	40
Chrysene	4100	F	836	1530	4	ug/Kg	⊗	-311	41 - 130	29	40
Dibenz(a,h)anthracene	570	F	836	433	F	ug/Kg	⊗	-16	27 - 130	2	40
Fluoranthene	11000	F	836	3100	4 F	ug/Kg	⊗	-913	40 - 130	57	40
Fluorene	1000	F	836	426	F	ug/Kg	⊗	-73	40 - 130	4	40
Indeno[1,2,3-cd]pyrene	1400	F	836	719	F	ug/Kg	⊗	-87	30 - 130	20	40
1-Methylnaphthalene	450	F	836	399	F	ug/Kg	⊗	-6	31 - 130	38	40
2-Methylnaphthalene	470	F	836	410	F	ug/Kg	⊗	-7	33 - 130	38	40
Naphthalene	540	F	836	397	F	ug/Kg	⊗	-17	36 - 130	31	40
Phenanthrene	9800	F	836	1900	4 F	ug/Kg	⊗	-942	42 - 130	47	40
Pyrene	6800	F	836	2110	4 F	ug/Kg	⊗	-565	44 - 130	50	40
Surrogate		MSD	MSD								
<i>o-Terphenyl</i>		%Recovery	Qualifier	Limits							
		38		30 - 130							

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

GC/MS Semi VOA

Prep Batch: 136774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89516-22	CV1264C-GS	Total/NA	Solid	3546	
680-89516-23	CV1371A-CS	Total/NA	Solid	3546	
680-89516-24	CV1371B-CS	Total/NA	Solid	3546	
680-89516-25	CV0516A-CS-SP	Total/NA	Solid	3546	
680-89516-26	CV0516B-CS-SP	Total/NA	Solid	3546	
680-89516-27	CV0516C-CS-SP	Total/NA	Solid	3546	
680-89516-28	HP0311A-CS-SP	Total/NA	Solid	3546	
LCS 660-136774/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136774/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 136818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89516-29	HP0311B-CS-SP	Total/NA	Solid	3546	
LCS 660-136818/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136818/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 136834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89516-21	CV1264B-CS	Total/NA	Solid	3546	
680-89516-21 MS	CV1264B-CS	Total/NA	Solid	3546	
680-89516-21 MSD	CV1264B-CS	Total/NA	Solid	3546	
LCS 660-136834/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-136834/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 136892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89516-29	HP0311B-CS-SP	Total/NA	Solid	8270C LL	136818
LCS 660-136818/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136818
MB 660-136818/1-A	Method Blank	Total/NA	Solid	8270C LL	136818

Analysis Batch: 136899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89516-22	CV1264C-GS	Total/NA	Solid	8270C LL	136774
680-89516-23	CV1371A-CS	Total/NA	Solid	8270C LL	136774
680-89516-24	CV1371B-CS	Total/NA	Solid	8270C LL	136774
680-89516-25	CV0516A-CS-SP	Total/NA	Solid	8270C LL	136774
680-89516-26	CV0516B-CS-SP	Total/NA	Solid	8270C LL	136774
680-89516-27	CV0516C-CS-SP	Total/NA	Solid	8270C LL	136774
680-89516-28	HP0311A-CS-SP	Total/NA	Solid	8270C LL	136774
LCS 660-136774/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136774
MB 660-136774/1-A	Method Blank	Total/NA	Solid	8270C LL	136774

Analysis Batch: 136926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89516-21	CV1264B-CS	Total/NA	Solid	8270C LL	136834
680-89516-21 MS	CV1264B-CS	Total/NA	Solid	8270C LL	136834
680-89516-21 MSD	CV1264B-CS	Total/NA	Solid	8270C LL	136834
LCS 660-136834/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	136834
MB 660-136834/1-A	Method Blank	Total/NA	Solid	8270C LL	136834

TestAmerica Savannah

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

General Chemistry

Analysis Batch: 136686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89516-21	CV1264B-CS	Total/NA	Solid	Moisture	5
680-89516-21 MS	CV1264B-CS	Total/NA	Solid	Moisture	6
680-89516-21 MSD	CV1264B-CS	Total/NA	Solid	Moisture	7
680-89516-22	CV1264C-GS	Total/NA	Solid	Moisture	8
680-89516-23	CV1371A-CS	Total/NA	Solid	Moisture	9
680-89516-24	CV1371B-CS	Total/NA	Solid	Moisture	10
680-89516-25	CV0516A-CS-SP	Total/NA	Solid	Moisture	11
680-89516-26	CV0516B-CS-SP	Total/NA	Solid	Moisture	12
680-89516-27	CV0516C-CS-SP	Total/NA	Solid	Moisture	
680-89516-28	HP0311A-CS-SP	Total/NA	Solid	Moisture	
680-89516-29	HP0311B-CS-SP	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV1264B-CS

Date Collected: 04/17/13 15:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-21
 Matrix: Solid
 Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136834	04/25/13 12:29	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136926	04/29/13 17:40	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Client Sample ID: CV1264C-GS

Date Collected: 04/17/13 15:10
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-22
 Matrix: Solid
 Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136774	04/24/13 09:50	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136899	04/25/13 21:25	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Client Sample ID: CV1371A-CS

Date Collected: 04/17/13 14:20
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-23
 Matrix: Solid
 Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136774	04/24/13 09:50	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136899	04/25/13 21:48	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Client Sample ID: CV1371B-CS

Date Collected: 04/17/13 14:30
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-24
 Matrix: Solid
 Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136774	04/24/13 09:50	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136899	04/25/13 22:11	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Client Sample ID: CV0516A-CS-SP

Date Collected: 04/17/13 13:40
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-25
 Matrix: Solid
 Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136774	04/24/13 09:50	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136899	04/25/13 22:33	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Client Sample ID: CV0516B-CS-SP

Date Collected: 04/17/13 13:50
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-26
Matrix: Solid
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136774	04/24/13 09:50	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136899	04/25/13 22:55	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Client Sample ID: CV0516C-CS-SP

Date Collected: 04/17/13 14:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-27
Matrix: Solid
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136774	04/24/13 09:50	SC	TAL TAM
Total/NA	Analysis	8270C LL		1	136899	04/25/13 23:18	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Client Sample ID: HP0311A-CS-SP

Date Collected: 04/17/13 15:00
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-28
Matrix: Solid
Percent Solids: 64.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136774	04/24/13 09:50	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136899	04/25/13 23:41	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Client Sample ID: HP0311B-CS-SP

Date Collected: 04/17/13 15:10
 Date Received: 04/19/13 08:50

Lab Sample ID: 680-89516-29
Matrix: Solid
Percent Solids: 71.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			136818	04/25/13 09:13	SC	TAL TAM
Total/NA	Analysis	8270C LL		4	136892	04/26/13 19:35	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136686	04/22/13 12:37	AG	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

				TestAmerica Savannah 5102 LaRoche Avenue Savannah, GA 31404		Website: www.testamericainc.com Phone: (912) 354-7858 Fax: (912) 352-0165					
				Alternate Laboratory Name/Location <i>Test Am Tampa</i>		Phone: Fax:					
						<i>680-89516</i>					
PROJECT REFERENCE <i>35th Ave Removal</i>	PROJECT NO. <i>2005148-1356</i>	PROJECT LOCATION (STATE) <i>AL</i>	MATRIX TYPE	REQUIRED ANALYSIS				PAGE <i>2</i> OF <i>3</i>			
				PO NUMBER <i>CONTRACT NO.</i>					STANDARD REPORT DELIVERY DATE DUE <i>0</i>		
				COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMI-SOLID AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)				EXPEDITED REPORT DELIVERY (SURCHARGE) <i>10 calendar days</i> DATE DUE <i>0</i>		
				<i>TCGA 8 Metal/s</i>				NUMBER OF COOLERS SUBMITTED PER SHIPMENT:			
				PRESERVATIVE				REMARKS			
SAMPLE DATE	SAMPLE IDENTIFICATION TIME					NUMBER OF CONTAINERS SUBMITTED					
4-17-13 Page 20 of 25	1010 Fm 0296 D - CS - SP	C	X		X						
	1035 Fm 0296 F - CS - SP	C	X		X						
	1245 CV 1115A - CS	C	X		X						
	1245 CV 1115A - CS'D	C	X		X						
	1255 CV 1115 B - CS	C	X		X						
	1330 CV 1178A - CS	C	X		X						
	1340 CV 1178B - CS	C	X		X	X					
	1450 CV 1264A - CS	C	X		X						
	1500 CV 1264B - CS	C	X		X						
	1510 CV 1264C - GS	C	X		X						
	1920 CV 1371A - CS	C	X		X						
	1430 CV 1371B - CS	C	X		X						
RELINQUISHED BY: (SIGNATURE) <i>John</i>	DATE 4-18-13	TIME 1130	RELINQUISHED BY: (SIGNATURE) <i>Carla</i>	DATE 4/19/13	TIME 1730	RELINQUISHED BY: (SIGNATURE)	DATE	TIME			
RECEIVED BY: (SIGNATURE) <i>Jill</i>	DATE 4/15/13	TIME 0850	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME			
LABORATORY USE ONLY											
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <i>00</i> NO <i>00</i>	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS					

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-2

SDG Number: 68089516-2

Login Number: 89516

List Number: 1

Creator: Daughtry, Beth

List Source: TestAmerica Savannah

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A		1
The cooler's custody seal, if present, is intact.	True		2
Sample custody seals, if present, are intact.	True		3
The cooler or samples do not appear to have been compromised or tampered with.	True		4
Samples were received on ice.	True		5
Cooler Temperature is acceptable.	True		6
Cooler Temperature is recorded.	True		7
COC is present.	True		8
COC is filled out in ink and legible.	True		9
COC is filled out with all pertinent information.	True		10
Is the Field Sampler's name present on COC?	N/A		11
There are no discrepancies between the containers received and the COC.	True		12
Samples are received within Holding Time.	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89516-2

SDG Number: 68089516-2

Login Number: 89516

List Number: 1

Creator: Snead, Joshua

List Source: TestAmerica Tampa

List Creation: 04/19/13 02:29 PM

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A		1
The cooler's custody seal, if present, is intact.	True		2
Sample custody seals, if present, are intact.	True		3
The cooler or samples do not appear to have been compromised or tampered with.	True		4
Samples were received on ice.	True		5
Cooler Temperature is acceptable.	True		6
Cooler Temperature is recorded.	True		7
COC is present.	True		8
COC is filled out in ink and legible.	True		9
COC is filled out with all pertinent information.	True		10
Is the Field Sampler's name present on COC?	True		11
There are no discrepancies between the containers received and the COC.	True		12
Samples are received within Holding Time.	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
 SDG: 68089516-2

Laboratory: TestAmerica Savannah

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tampa

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13
Georgia	State Program	4	905	06-30-13

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

TestAmerica Savannah

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89516-2
SDG: 68089516-2

Laboratory: TestAmerica Tampa (Continued)

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

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-11-00177	04-20-14

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