

APPENDIX E
Chains-of-Custody/Field Logbook

Received @ 1.4°C Cooler Customer Delivered 18 boxes K/L 10/12/13
 Cooler boxes were sampled



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRGCMS (SW-846 Method 8290)					Hold	MS/MSD	Comments
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.30-03										
Prepared by										
Dave Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-11B-M0023A-PNR	Probe and Nozzle Rinse	10/8/13 1855	X							
VS2-STK-11B-M0023A-Filt	Filter	↓	X							
VS2-STK-11B-M0023A-CR	Condenser Rinse		X							
VS2-STK-11B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							
VS2-STK-12B-M0023A-PNR	Probe and Nozzle Rinse									No Sample
VS2-STK-12B-M0023A-Filt	Filter									
VS2-STK-12B-M0023A-CR	Condenser Rinse									
VS2-STK-12B-M0023A-XAD	XAD Sorbent Cartridge									
VS2-STK-13B-M0023A-PNR	Probe and Nozzle Rinse	10/10/13 1540	X							
VS2-STK-13B-M0023A-Filt	Filter	↓	X							
VS2-STK-13B-M0023A-CR	Condenser Rinse		X							
VS2-STK-13B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D Maxwell</i>	10/4/13	1630	<i>K/L</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRCGMS (SW-846 Method 8290)								
Unit 2 CPT											
Site											
Veolia-Sauget, IL											
Project Number											
40942510.30-03											
Prepared by											
Dave Maxwell											
Sample ID Code	Sample Matrix	Date/Time					Hold	MS/MSD	Comments		
VS2-STK-1FB-M0023A-PNR	Probe and Nozzle Rinse	10/8/13 0850	X								
VS2-STK-1FB-M0023A-Filt	Filter	↓	X								
VS2-STK-1FB-M0023A-CR	Condenser Rinse	↓	X								
VS2-STK-1FB-M0023A-XAD	XAD Sorbent Cartridge	↓	X								
VS2-STK-1RB-M0023A-Filt	Filter	10/11/13 1040					X				
VS2-STK-1RB-M0023A-XAD	XAD Sorbent Cartridge	↓					X				
VS2-STK-1RB-M0023A-Ace	Acetone	↓					X				
VS2-STK-1RB-M0023A-MeCl	Methylene Chloride	↓					X				
VS2-STK-1RB-M0023A-Tol	Toluene	↓					X				

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D. Maxwell</i>	10/11/13	1630	<i>K. L...</i>	10/21/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project			Chloride by Ion Chromatography, per EPA Method 26A						MS/MSD	Comments
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.30-03										
Prepared by										
Dave Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/8/13 1640	X							Rec'd. hand Del 10/12/13 18 Boxes ambient 1 cooler 1.4°C JW 10/15/13
VS2-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X						Laboratory to add Na ₂ S ₂ O ₃	
VS2-STK-12B-M26A-AcdImp	Sulfuric Acid Impinger Catch									No Sample
VS2-STK-12B-M26A-AlkImp	Sodium Hydroxide Impinger Catch								Laboratory to add Na₂S₂O₃	
VS2-STK-13B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/10/13 1330	X							
VS2-STK-13B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X							Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-14B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/11/13 1045	X							
VS2-STK-14B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X							Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-1FB-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/8/13 0829	X							
VS2-STK-1FB-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X							Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution	10/10/13 1330						X		
VS2-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution	↓						X		Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-1RB-M26A-Water	Water	↓						X		

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D Maxwell</i>	10/11/13	1630	<i>K...</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)



Chain of Custody Record

~~Samples from SW0023A Sampling Train~~

Project		Unit 2 CPT		RECOVERED by HRGMS (see 916 Method 8200) CI- by M26A Metals Mercury Hold MS/MSD	Comments
Site		Veolia-Sauget, IL			
Project Number		40942510.30-03			
Prepared by		Dave Maxwell			
Sample ID Code	Sample Matrix	Date/Time			
VS2-STK-14B	Probe and Nozzle Rinse				
M0023A-PNR					
VS2-STK-14B	Filter				
M0023A-Filt					
VS2-STK-14B	Condenser Rinse				
M0023A-CR					
VS2-STK-14B	XAD Sorbent Cartridge				
M0023A-XAD					
VSZ-AUDIT-CI-1	CI in Imp Sol'n	10/11/13 1600	X		Audit Sample
VSZ-AUDIT-CI-2	"		X		Lot SSAS 486
VSZ-AUDIT-Hg-1	Hg in Imp Sol'n			X	
VSZ-AUDIT-Hg-2	"			X	
VSZ-AUDIT-MET-Filt	metals on Filter		X		
VSZ-AUDIT-MET-IMP	metals in IMP Sol'n		X		

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by: <i>D Maxwell</i>	Date 10/11/13	Time 1630	Received by: <i>K LN</i>	Date 10/20/13	Time 0856	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project			Chloride by Ion Chromatography, per EPA Method 26A					Hold	MS/MSD	Comments
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.30-03										
Prepared by										
Dave Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/8/13 1640	X							Rec'd. hand Del 10/12/13 18 Boxes ambient 1 cooler 1.4°C DM 10/15/13
VS2-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X							
VS2-STK-12B-M26A-AcdImp	Sulfuric Acid Impinger Catch									No Sample
VS2-STK-12B-M26A-AlkImp	Sodium Hydroxide Impinger Catch									
VS2-STK-13B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/10/13 1330	X							
VS2-STK-13B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X							Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-14B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/11/13 1045	X							
VS2-STK-14B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X							Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-1FB-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/8/13 0829	X							
VS2-STK-1FB-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X							Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution	10/10/13 1330						X		
VS2-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution	↓						X		Laboratory to add Na ₂ S ₂ O ₃
VS2-STK-1RB-M26A-Water	Water	↓						X		

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>DM Maxwell</i>	10/11/13	1630	<i>[Signature]</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)



Chain of Custody Record

~~Samples from SW0023A Sampling Trains~~

Project		Unit 2 CPT		Prepared by HRCGWS (SW-04 Method 8200)	Cl ⁻ by M26A	Metals	Mercury	Hold	MSMSD	Comments
Site		Veolia-Sauget, IL								
Project Number		40942510.30-03								
Prepared by		Dave Maxwell								
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-14B	Probe and Nozzle Rinse									
M0023A-PNR										
VS2-STK-14B	Filter									
M0023A-Filt										
VS2-STK-14B	Condenser Rinse									
M0023A-CR										
VS2-STK-14B	AD Sorbent Cartridge									
M0023A-XAD										
VS2-AUDIT- CI-1	Cl ⁻ in Imp Soln	10/11/13 1600		X						Audit Sample
VS2-AUDIT- CI-2	"			X						Lot SSAS 486
VS2-AUDIT- Hg-1	Hg in Imp Soln					X				
VS2-AUDIT- Hg-2	"					X				
VS2-AUDIT- MET-Filt	Metals on Filter				X					
VS2-AUDIT- MET-IMP	Metals in IMP Soln.		Y		X					Y

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by: <i>D Maxwell</i>	Date 10/11/13	Time 1630	Received by: <i>K Lin</i>	Date 10/12/13	Time 0856	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project			Particulate Matter - Gravimetric Determination per EPA Method 5					Hold	MS/MSD	Comments
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.30-03										
Prepared by										
Dave Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/8/13 1300	X							
VS2-STK-11A-M5-Filt	Filter	"	X							PK 2509
VS2-STK-12A-M5-PNR	Probe and Nozzle Rinse	10/9/13 1053	X							
VS2-STK-12A-M5-Filt	Filter	"	X							PK 2510
VS2-STK-13A-M5-PNR	Probe and Nozzle Rinse	10/10/13 1023	X							
VS2-STK-13A-M5-Filt	Filter	"	X							PK 2511
VS2-STK-14A-M5-PNR	Probe and Nozzle Rinse									No Sample
VS2-STK-14A-M5-Filt	Filter									No Sample
VS2-STK-1FB-M5-PNR	Probe and Nozzle Rinse	10/7/13 1850	X							
VS2-STK-1FB-M5-Filt	Filter	"	X							PK 2508
VS2-STK-1RB-M5-Ace	Acetone	10/10/13 1300						X		
VS2-STK-1RB-M5-Filt	Filter	"						X		PK 2512

*Hand-Del.
10/12/13
Rec'd @ ambient
PK Boxes*

Remarks: Provide results in total milligrams per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D. Maxwell</i>	10/11/13	1630	<i>K. V. W.</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project			Particulate Matter - Gravimetric Determination per EPA Method 5					Hold	MS/MSD	Comments
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.30-03										
Prepared by										
Dave Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/8/13 1300	X							
VS2-STK-11A-M5-Filt	Filter	"	X							PK 2509
VS2-STK-12A-M5-PNR	Probe and Nozzle Rinse	10/9/13 1053	X							
VS2-STK-12A-M5-Filt	Filter	"	X							PK 2510
VS2-STK-13A-M5-PNR	Probe and Nozzle Rinse	10/10/13 1023	X							
VS2-STK-13A-M5-Filt	Filter	"	X							PK 2511
VS2-STK-14A-M5-PNR	Probe and Nozzle Rinse									No Sample
VS2-STK-14A-M5-Filt	Filter									No Sample
VS2-STK-1FB-M5-PNR	Probe and Nozzle Rinse	10/7/13 1850	X							
VS2-STK-1FB-M5-Filt	Filter	"	X							PK 2508
VS2-STK-1RB-M5-Ace	Acetone	10/10/13 1300						X		
VS2-STK-1RB-M5-Filt	Filter	"						X		PK 2512

*Hand-Del.
10/12/13
Rec'd @ ambient
PK Boxes*

Remarks: Provide results in total milligrams per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D. Maxwell</i>	10/11/13	1630	<i>K. V. N.</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hald	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-CS-11A-Comp1	Containerized Solids	10-8-13 1150-1250	X						Rec'd 10/12/13 Hand-Del. 18 Boxes ambient 1 cooler 1.4°C JAW 10/15/13
VS2-CS-11B-Comp2A	Containerized Solids	10-8-13 1640	X						
VS2-CS-11B-Comp2B	Containerized Solids	10-8-13 1840	X	X					
VS2-CS-11B-Comp2C	Containerized Solids	10-8-13 1855	X						
VS2-CS-12A-Comp1	Containerized Solids	10-9-13 1045	X						
VS2-CS-12B-Comp2A	Containerized Solids								
VS2-CS-12B-Comp2B	Containerized Solids								
VS2-CS-12B-Comp2C	Containerized Solids								
VS2-CS-13A-Comp1	Containerized Solids	10-10-13 1015	X						
VS2-CS-13B-Comp2A	Containerized Solids	10-10-13 1330	X						
VS2-CS-13B-Comp2B	Containerized Solids	10-10-13 1500	X	X					
VS2-CS-13B-Comp2C	Containerized Solids	10-10-13 1530	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Valerie Ketchum</i>	10/11/13	1330	<i>[Signature]</i>	10/12/13	0856			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Held	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
Sample ID Code			Sample Matrix	Date/Time					
VS2-CS-11A-Comp1	Containerized Solids	10-8-13 1150-1250	X						Rec'd 10/12/13 Hand-Del. 18 Boxes ambient 1 cooler 1.4°C JAW 10/15/13
VS2-CS-11B-Comp2A	Containerized Solids	10-8-13 1640	X						
VS2-CS-11B-Comp2B	Containerized Solids	10-8-13 1840	X	X					
VS2-CS-11B-Comp2C	Containerized Solids	10-8-13 1855	X						
VS2-CS-12A-Comp1	Containerized Solids	10-9-13 1045	X						
VS2-CS-12B-Comp2A	Containerized Solids								
VS2-CS-12B-Comp2B	Containerized Solids								
VS2-CS-12B-Comp2C	Containerized Solids								
VS2-CS-13A-Comp1	Containerized Solids	10-10-13 1015	X						
VS2-CS-13B-Comp2A	Containerized Solids	10-10-13 1330	X						
VS2-CS-13B-Comp2B	Containerized Solids	10-10-13 1500	X	X					
VS2-CS-13B-Comp2C	Containerized Solids	10-10-13 1530	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Carli H. Schenck</i>	10/11/13	1330	<i>[Signature]</i>	10/12/13	0856			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
TADIKLPICH									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LWF-11A-Comp1	Liquid Waste Feed	10-8-13 1150-1251	X						
VS2-LWF-11B-Comp2A	Liquid Waste Feed	10/8/13 1639	X						
VS2-LWF-11B-Comp2B	Liquid Waste Feed	10/8/13 1842	X	X					
VS2-LWF-11B-Comp2C	Liquid Waste Feed	10/8/13 1855	X						
VS2-LWF-12A-Comp1	Liquid Waste Feed	10/9/13 1047	X						
VS2-LWF-12B-Comp2A	Liquid Waste Feed								
VS2-LWF-12B-Comp2B	Liquid Waste Feed								
VS2-LWF-12B-Comp2C	Liquid Waste Feed								
VS2-LWF-13A-Comp1	Liquid Waste Feed	10/10/13 1017	X						
VS2-LWF-13B-Comp2A	Liquid Waste Feed	10/10/13 1332	X						
VS2-LWF-13B-Comp2B	Liquid Waste Feed	10/10/13 1502	X	X					
VS2-LWF-13B-Comp2C	Liquid Waste Feed	10/10/13 1532	X						

Rec'd Hand-Del.
10/12/13
18 Boxes Ambient
1 cooler 1.4°C
JRW 10/15/13

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Valerie Howard</i>	10/11/13	1330	<i>K. Um</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

M3J140417



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LWF-14A-Comp1	Liquid Waste Feed								
VS2-LWF-14B-Comp2A	Liquid Waste Feed	10/11/13 1047	X						
VS2-LWF-14B-Comp2B	Liquid Waste Feed	10/11/13 1217	X	X					
VS2-LWF-14B-Comp2C	Liquid Waste Feed	10/11/13 1247	X						
VS2-LWF-13B-Comp2B-Duplicate	Liquid waste Feed	10/10/13 1502	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Velvet Kitchard</i>	Date 10/11/13	Time 1330	Received by: <i>K. L...</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
TADIKLP/CH									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LWF-11A-Comp1	Liquid Waste Feed	10-8-13 1150-1251	X						
VS2-LWF-11B-Comp2A	Liquid Waste Feed	10/8/13 1639	X						
VS2-LWF-11B-Comp2B	Liquid Waste Feed	10/8/13 1842	X	X					
VS2-LWF-11B-Comp2C	Liquid Waste Feed	10/8/13 1855	X						
VS2-LWF-12A-Comp1	Liquid Waste Feed	10/9/13 1047	X						
VS2-LWF-12B-Comp2A	Liquid Waste Feed								
VS2-LWF-12B-Comp2B	Liquid Waste Feed								
VS2-LWF-12B-Comp2C	Liquid Waste Feed								
VS2-LWF-13A-Comp1	Liquid Waste Feed	10/10/13 1017	X						
VS2-LWF-13B-Comp2A	Liquid Waste Feed	10/10/13 1332	X						
VS2-LWF-13B-Comp2B	Liquid Waste Feed	10/10/13 1502	X	X					
VS2-LWF-13B-Comp2C	Liquid Waste Feed	10/10/13 1532	X						
Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.									
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time	
<i>Volikoff</i>	10/11/13	1330	<i>K. Um</i>	10/12/13	0846				
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time	
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time	
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time	
Remarks (Laboratory Only)									

*Rec'd Hand-Del.
10/12/13
18 boxes Ambient
1 cooler 1.4°C
JRW
10/15/13*



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LWF-14A-Comp1	Liquid Waste Feed								
VS2-LWF-14B-Comp2A	Liquid Waste Feed	10/11/13 1047	X						
VS2-LWF-14B-Comp2B	Liquid Waste Feed	10/11/13 1217	X	X					
VS2-LWF-14B-Comp2C	Liquid Waste Feed	10/11/13 1247	X						
VS2-LWF-13B-Comp2B-Duplicate	Liquid waste Feed	10/10/13 1502	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/11/13	Time 1330	Received by: <i>[Signature]</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

U3J15040



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
THD/KLP/CH									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LBW-11A-Comp1	Low Btu Liquid Waste	1250492 10/8/13	X						Rec'd Hand-del 10/12/13 18 Boxes Ambient 1 Cooler 1.4°C JW 10/15/13
VS2-LBW-11B-Comp2A	Low Btu Liquid Waste	10/8/13 1640	X						
VS2-LBW-11B-Comp2B	Low Btu Liquid Waste	10/8/13 1841	X	X					
VS2-LBW-11B-Comp2C	Low Btu Liquid Waste	10/8/13 1854	X						
VS2-LBW-12A-Comp1	Low Btu Liquid Waste	10/9/13 1046	X						
VS2-LBW-12B-Comp2A	Low Btu Liquid Waste								
VS2-LBW-12B-Comp2B	Low Btu Liquid Waste								
VS2-LBW-12B-Comp2C	Low Btu Liquid Waste								
VS2-LBW-13A-Comp1	Low Btu Liquid Waste	10/10/13 1016	X						
VS2-LBW-13B-Comp2A	Low Btu Liquid Waste	10/10/13 1331	X						
VS2-LBW-13B-Comp2B	Low Btu Liquid Waste	10/10/13 1500	X	X					
VS2-LBW-13B-Comp2C	Low Btu Liquid Waste	10/10/13 1530	X						
Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.									
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time	
<i>Kati Thord</i>	10/11/13	1330	<i>Ken Lin</i>	10/12/13	0846				
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time	
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time	
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time	
Remarks (Laboratory Only)									



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LBW-14A-Comp1	Low Btu Liquid Waste								
VS2-LBW-14B-Comp2A	Low Btu Liquid Waste	10/11/13 1046	X						
VS2-LBW-14B-Comp2B	Low Btu Liquid Waste	10/11/13 1216	X	X					
VS2-LBW-14B-Comp2C	Low Btu Liquid Waste	10/11/13 1246	X						
VS2-LBW-13B-Comp2B-Duplicate	Low Btu Liquid Waste	10/10/13 1500	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>K. L. ...</i>	Date 10/11/13	Time 1330	Received by: <i>K. L. ...</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

M3J150401



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
THD (KLP/CH)									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LBW-11A-Comp1	Low Btu Liquid Waste	1250492 10/8/13	X						Rec'd Hand-Del 10/12/13 18 Boxes Ambient 1 Cooler 1.4°C JW 10/15/13
VS2-LBW-11B-Comp2A	Low Btu Liquid Waste	10/8/13 1640	X						
VS2-LBW-11B-Comp2B	Low Btu Liquid Waste	10/8/13 1841	X	X					
VS2-LBW-11B-Comp2C	Low Btu Liquid Waste	10/8/13 1854	X						
VS2-LBW-12A-Comp1	Low Btu Liquid Waste	10/9/13 1046	X						
VS2-LBW-12B-Comp2A	Low Btu Liquid Waste								
VS2-LBW-12B-Comp2B	Low Btu Liquid Waste								
VS2-LBW-12B-Comp2C	Low Btu Liquid Waste								
VS2-LBW-13A-Comp1	Low Btu Liquid Waste	10/10/13 1016	X						
VS2-LBW-13B-Comp2A	Low Btu Liquid Waste	10/10/13 1331	X						
VS2-LBW-13B-Comp2B	Low Btu Liquid Waste	10/10/13 1500	X	X					
VS2-LBW-13B-Comp2C	Low Btu Liquid Waste	10/10/13 1530	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Kati [Signature]</i>	10/11/13	1330	<i>K [Signature]</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LBW-14A-Comp1	Low Btu Liquid Waste								
VS2-LBW-14B-Comp2A	Low Btu Liquid Waste	10/11/13 1046	X						
VS2-LBW-14B-Comp2B	Low Btu Liquid Waste	10/11/13 1216	X	X					
VS2-LBW-14B-Comp2C	Low Btu Liquid Waste	10/11/13 1246	X						
VS2-LBW-13B-Comp2B-Duplicate	Low Btu Liquid Waste	10/10/13 1500	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>K. L. ...</i>	Date 10/11/13	Time 1330	Received by: <i>K. L. ...</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks: (Laboratory Only)

Receiving ① 1.9°C (cooler) Customs delivered 18 boxes 1 cooler (boxes were ambient) 10/12/13



Chain of Custody Record

Waste Feed Samples M3J150402 Page 1 of 12

Project			Composition Analyses	Metals	Chromium	Mercury	Held	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
THD/KLP/CH									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HBW-11A-Comp1	High Btu Liquid Waste	10/8/13 1250	X						
VS2-HBW-11B-Comp2A	High Btu Liquid Waste	10/8/13 1640	X						
VS2-HBW-11B-Comp2B	High Btu Liquid Waste	10/8/13 1840	X	X					
VS2-HBW-11B-Comp2C	High Btu Liquid Waste	10/8/13 1854	X						
VS2-HBW-12A-Comp1	High Btu Liquid Waste	10/9/13 1045	X						
VS2-HBW-12B-Comp2A	High Btu Liquid Waste								
VS2-HBW-12B-Comp2B	High Btu Liquid Waste								
VS2-HBW-12B-Comp2C	High Btu Liquid Waste								
VS2-HBW-13A-Comp1	High Btu Liquid Waste	10/10/13 1015	X						
VS2-HBW-13B-Comp2A	High Btu Liquid Waste	10/10/13 1330	X						
VS2-HBW-13B-Comp2B	High Btu Liquid Waste	10/10/13 1515	X	X					
VS2-HBW-13B-Comp2C	High Btu Liquid Waste	10/10/13 1530	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/11/13	1330	<i>[Signature]</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples *M3J50402*

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Held	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HBW-14A-Comp1	High Btu Liquid Waste								
VS2-HBW-14B-Comp2A	High Btu Liquid Waste	10/11/13 1045	X						
VS2-HBW-14B-Comp2B	High Btu Liquid Waste	10/11/13 1215	X	X					
VS2-HBW-14B-Comp2C	High Btu Liquid Waste	10/11/13 1245	X						
VS2-HBW-13B-Comp2B-Duplicate	High Btu Liquid Waste	10/10/13 1515	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/11/13	Time 1330	Received by: <i>[Signature]</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

Received ① 1.9°C (cooler) Custom delivered by KLR 10/12/13
 Cooler (baker were ambient)



Chain of Custody Record

Waste Feed Samples M3J150402

Project			Composition Analyses	Metals	Chromium	Mercury	Heid.	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
THD/KLP/CH									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HBW-11A-Comp1	High Btu Liquid Waste	10/8/13 1250	X						
VS2-HBW-11B-Comp2A	High Btu Liquid Waste	10/8/13 1640	X						
VS2-HBW-11B-Comp2B	High Btu Liquid Waste	10/8/13 1840	X	X					
VS2-HBW-11B-Comp2C	High Btu Liquid Waste	10/8/13 1854	X						
VS2-HBW-12A-Comp1	High Btu Liquid Waste	10/9/13 1045	X						
VS2-HBW-12B-Comp2A	High Btu Liquid Waste								
VS2-HBW-12B-Comp2B	High Btu Liquid Waste								
VS2-HBW-12B-Comp2C	High Btu Liquid Waste								
VS2-HBW-13A-Comp1	High Btu Liquid Waste	10/10/13 1015	X						
VS2-HBW-13B-Comp2A	High Btu Liquid Waste	10/10/13 1330	X						
VS2-HBW-13B-Comp2B	High Btu Liquid Waste	10/10/13 1515	X	X					
VS2-HBW-13B-Comp2C	High Btu Liquid Waste	10/10/13 1530	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/11/13	1330	<i>[Signature]</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples *M3J50402*

Project			Composition Analyses	Metals	Chromium	Mercury	Held	MSMSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HBW-14A-Comp1	High Btu Liquid Waste								
VS2-HBW-14B-Comp2A	High Btu Liquid Waste	10/11/13 1045	X						
VS2-HBW-14B-Comp2B	High Btu Liquid Waste	10/11/13 1215	X	X					
VS2-HBW-14B-Comp2C	High Btu Liquid Waste	10/11/13 1245	X						
VS2-HBW-13B-Comp2B-Duplicate	High Btu Liquid Waste	10/10/13 1515	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>W. J. ...</i>	Date 10/11/13	Time 1330	Received by: <i>K. L. ...</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
THD/KLP/CH Tube									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HG-11B-Grab1	Mercury Spiking Soln	10/8/13 1544				X			
VS2-HG-11B-Grab2	Mercury Spiking Soln	10/8/13 1647				X			
VS2-HG-11B-Grab3	Mercury Spiking Soln	10/8/13 1843				X			
VS2-HG-11B-Grab4	Mercury Spiking Soln	10/8/13 1855				X	X		Archive
VS2-HG-12B-Grab1	Mercury Spiking Soln								
VS2-HG-12B-Grab2	Mercury Spiking Soln								
VS2-HG-12B-Grab3	Mercury Spiking Soln								
VS2-HG-12B-Grab4	Mercury Spiking Soln								
VS2-HG-13B-Grab1	Mercury Spiking Soln	10/10/13 1230				X			
VS2-HG-13B-Grab2	Mercury Spiking Soln	10/10/13 1340				X			
VS2-HG-13B-Grab3	Mercury Spiking Soln	10/10/13 1510				X			
VS2-HG-13B-Grab4	Mercury Spiking Soln	10/10/13 1540				X	X		Archive

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Y. R. R. R.</i>	10/11/13	1330	<i>K. L. R.</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Chromium spiking solution is 35% CrO ₃ , or approximately 18% Cr. Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by 125									
Sample ID Code	Sample Matrix	Date/Time							
VS2-CR-11B-Grab1	Chromium Spiking Soln	10/8/13 1542			X				
VS2-CR-11B-Grab2	Chromium Spiking Soln	10/8/13 1648			X				
VS2-CR-11B-Grab3	Chromium Spiking Soln	10/8/13 1843			X				
VS2-CR-11B-Grab4	Chromium Spiking Soln	10/8/13 1855			X		X		Archive
VS2-CR-12B-Grab1	Chromium Spiking Soln								
VS2-CR-12B-Grab2	Chromium Spiking Soln								
VS2-CR-12B-Grab3	Chromium Spiking Soln								
VS2-CR-12B-Grab4	Chromium Spiking Soln								
VS2-CR-13B-Grab1	Chromium Spiking Soln	10/10/13 1230			X				
VS2-CR-13B-Grab2	Chromium Spiking Soln	10/10/13 1340			X				
VS2-CR-13B-Grab3	Chromium Spiking Soln	10/10/13 1510			X				
VS2-CR-13B-Grab4	Chromium Spiking Soln	10/10/13 1540			X		X		Archive

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/11/13	Time 1330	Received by: <i>[Signature]</i>	Date 10/12/13	Time 0856	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-CR-14B-Grab1	Chromium Spiking Soln	10/11/13 0945			X				
VS2-CR-14B-Grab2	Chromium Spiking Soln	10/11/13 1045			X				
VS2-CR-14B-Grab3	Chromium Spiking Soln	10/11/13 1225			X				
VS2-CR-14B-Grab4	Chromium Spiking Soln	10/11/13 1255					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Yehil R. ...</i>	Date 10/11/13	Time 1330	Received by: <i>K. L...</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
TJD/KLP/CH Tube									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HG-11B-Grab1	Mercury Spiking Soln	10/8/13 1544				X			
VS2-HG-11B-Grab2	Mercury Spiking Soln	10/8/13 1647				X			
VS2-HG-11B-Grab3	Mercury Spiking Soln	10/8/13 1843				X			
VS2-HG-11B-Grab4	Mercury Spiking Soln	10/8/13 1855				X	X		Archive
VS2-HG-12B-Grab1	Mercury Spiking Soln								
VS2-HG-12B-Grab2	Mercury Spiking Soln								
VS2-HG-12B-Grab3	Mercury Spiking Soln								
VS2-HG-12B-Grab4	Mercury Spiking Soln								
VS2-HG-13B-Grab1	Mercury Spiking Soln	10/10/13 1230				X			
VS2-HG-13B-Grab2	Mercury Spiking Soln	10/10/13 1340				X			
VS2-HG-13B-Grab3	Mercury Spiking Soln	10/10/13 1510				X			
VS2-HG-13B-Grab4	Mercury Spiking Soln	10/10/13 1540				X	X		Archive

Mercury Spiking Solutions contain approximately 2268 ppm Hg

Remarks: Composition Analysis Includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Yad Rithard</i>	10/11/13	1330	<i>KLP</i>	10/21/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
125									
Sample ID Code	Sample Matrix	Date/Time							
VS2-CR-11B-Grab1	Chromium Spiking Soln	10/8/13 1542			X				Chromium spiking solution is 35% CrO ₃ , or approximately 18% Cr.
VS2-CR-11B-Grab2	Chromium Spiking Soln	10/8/13 1648			X				
VS2-CR-11B-Grab3	Chromium Spiking Soln	10/8/13 1843			X				
VS2-CR-11B-Grab4	Chromium Spiking Soln	10/8/13 1855			X	X	Archive		
VS2-CR-12B-Grab1	Chromium Spiking Soln								
VS2-CR-12B-Grab2	Chromium Spiking Soln								
VS2-CR-12B-Grab3	Chromium Spiking Soln								
VS2-CR-12B-Grab4	Chromium Spiking Soln								
VS2-CR-13B-Grab1	Chromium Spiking Soln	10/10/13 1230			X				
VS2-CR-13B-Grab2	Chromium Spiking Soln	10/10/13 1340			X				
VS2-CR-13B-Grab3	Chromium Spiking Soln	10/10/13 1510			X				
VS2-CR-13B-Grab4	Chromium Spiking Soln	10/10/13 1540			X	X		Archive	

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>K. L...</i>	10/11/13	1330	<i>K. L...</i>	10/12/13	0856			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-CR-14B-Grab1	Chromium Spiking Soln	10/11/13 0945			X				
VS2-CR-14B-Grab2	Chromium Spiking Soln	10/11/13 1045			X				
VS2-CR-14B-Grab3	Chromium Spiking Soln	10/11/13 1225			X				
VS2-CR-14B-Grab4	Chromium Spiking Soln	10/11/13 1255					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Yotil Redend</i>	Date 10/11/13	Time 1330	Received by: <i>K. L...</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project Unit 2 CPT			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A					
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by <i>Dave Maxwell</i>									
Sample ID Code	Sample Matrix	Date/Time				Hold	MS/MSD	Comments	
VS2-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/10/13 1510	X	X					
VS2-STK-13B-M29-Filt	Filter		X	X					
VS2-STK-13B-M29-NPI	Nitric/Peroxide Impingers		X	X					2 Bottles
VS2-STK-13B-M29-EIR	Empty Impinger Rinse			X					
VS2-STK-13B-M29-Perm	Permanganate Impinger			X					
VS2-STK-13B-M29-HCIRns	HCl Rinse of Permanganate Imp			X					
VS2-STK-14B-M29-PNR	Probe and Nozzle Rinse	10/11/13 1225	X	X					
VS2-STK-14B-M29-Filt	Filter		X	X					
VS2-STK-14B-M29-NPI	Nitric/Peroxide Impingers		X	X					2 Bottles
VS2-STK-14B-M29-EIR	Empty Impinger Rinse			X					
VS2-STK-14B-M29-Perm	Permanganate Impinger			X					
VS2-STK-14B-M29-HCIRns	HCl Rinse of Permanganate Imp			X					

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>D Maxwell</i>	Date 10/11/13	Time 1630	Received by: <i>K Lin</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

13J150406



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A	Hold	MS/MSD	Comments
Unit 2 CPT							
Site							
Veolia-Sauget, IL							
Project Number							
40942510.30-03							
Prepared by							
Dave Maxwell							
Sample ID Code	Sample Matrix	Date/Time					
VS2-STK-1FB-M29-PNR	Probe and Nozzle Rinse	10/8/13 0913	X	X			
VS2-STK-1FB-M29-Filt	Filter	↓	X	X			
VS2-STK-1FB-M29-NPI	Nitric/Peroxide Impingers	↓	X	X			
VS2-STK-1FB-M29-EIR	Empty Impinger Rinse	↓		X			
VS2-STK-1FB-M29-Perm	Permanganate Impinger	↓		X			
VS2-STK-1FB-M29-HCIRns	HCl Rinse of Permanganate Imp	↓		X			
VS2-STK-1RB-M29-Filt	Filter	10/11/13 1100				X	
VS2-STK-1RB-M29-NA Rns Soln	Nitric Acid Rinse Solution	↓				X	
VS2-STK-1RB-M29-NP Soln	Nitric Acid/Peroxide Solution	↓				X	
VS2-STK-1RB-M29-Perm Soln	Permanganate Solution	10/10/13 1000				X	
VS2-STK-1RB-M29-HCl Soln	HCl Rinse Solution	10/11/13 1100				X	
VS2-STK-1RB-M29-Water	Water	"				X	

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D Maxwell</i>	10/11/13	1630	<i>K L...</i>	10/12/13	0800			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

~~Samples from SW0023A Sampling Trains~~

Project		Unit 2 CPT		ICDD/ICDF by HRGMS (SW-846 Method 8200)	Cl ⁻ by M26A	Metals	Mercury	Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL								
Project Number		40942510.30-03								
Prepared by		Dave Maxwell								
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-14B M0023A-PNR	Probe and Nozzle Rinse									
VS2-STK-14B M0023A-Filt	Filter									
VS2-STK-14B M0023A-CR	Condenser Rinse									
VS2-STK-14B M0023A-XAD	XAD Sorbent Cartridge									
VS2-AUDIT- CI-1	Cl ⁻ in Imp Sol'n	10/11/13 1600		X						Audit Sample
VS2-AUDIT- CI-2	"			X						Lot SSAS 486
VS2-AUDIT- Hg-1	Hg in Imp Sol'n						X			
VS2-AUDIT- Hg-2	"						X			
VS2-AUDIT- MET-Filt	Metals on Filter				X					
VS2-AUDIT- MET-IMP	Metals in IMP Sol'n.				X					

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by: <i>D Maxwell</i>	Date 10/11/13	Time 1630	Received by: <i>Ku Ln</i>	Date 10/21/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project Unit 2 CPT			PCDD/PCDF by HRGCMS (SW-846 Method 8290)								
Site Veolia-Sauget, IL											
Project Number 40942510.30-03											
Prepared by <i>Dave Maxwell</i>											
Sample ID Code	Sample Matrix	Date/Time					Hold	MS/MSD	Comments		
VS2-STK-14B-M0023A-PNR	Probe and Nozzle Rinse	10/11/13 1255	X								
VS2-STK-14B-M0023A-Filt	Filter	↓	X								
VS2-STK-14B-M0023A-CR	Condenser Rinse	↓	X								
VS2-STK-14B-M0023A-XAD	XAD Sorbent Cartridge	↓	X								

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by: <i>D Maxwell</i>	Date 10/11/13	Time 1630	Received by: <i>[Signature]</i>	Date 10/11/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRGCMS (SW-846 Method 8290)							
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.30-03										
Prepared by										
Dave Maxwell										
Sample ID Code	Sample Matrix	Date/Time					Hold	MS/MSD	Comments	
VS2-STK-1FB-M0023A-PNR	Probe and Nozzle Rinse	10/8/13 0850	X							
VS2-STK-1FB-M0023A-Filt	Filter	↓	X							
VS2-STK-1FB-M0023A-CR	Condenser Rinse	↓	X							
VS2-STK-1FB-M0023A-XAD	XAD Sorbent Cartridge	↓	X							
VS2-STK-1RB-M0023A-Filt	Filter	10/11/13 1040					X			
VS2-STK-1RB-M0023A-XAD	XAD Sorbent Cartridge	↓					X			
VS2-STK-1RB-M0023A-Ace	Acetone	↓					X			
VS2-STK-1RB-M0023A-MeCl	Methylene Chloride	↓					X			
VS2-STK-1RB-M0023A-Tol	Toluene	↓					X			

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D. Maxwell</i>	10/11/13	1630	<i>K. L...</i>	10/21/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project Unit 2 CPT			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A					
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by <i>Dave Maxwell</i>									
Sample ID Code	Sample Matrix	Date/Time				Hold	MS/MSD	Comments	
VS2-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/10/13 1510	X	X					
VS2-STK-13B-M29-Filt	Filter		X	X					
VS2-STK-13B-M29-NPI	Nitric/Peroxide Impingers		X	X					2 Bottles
VS2-STK-13B-M29-EIR	Empty Impinger Rinse			X					
VS2-STK-13B-M29-Perm	Permanganate Impinger			X					
VS2-STK-13B-M29-HCIRns	HCl Rinse of Permanganate Imp			X					
VS2-STK-14B-M29-PNR	Probe and Nozzle Rinse	10/11/13 1225	X	X					
VS2-STK-14B-M29-Filt	Filter		X	X					
VS2-STK-14B-M29-NPI	Nitric/Peroxide Impingers		X	X					2 Bottles
VS2-STK-14B-M29-EIR	Empty Impinger Rinse			X					
VS2-STK-14B-M29-Perm	Permanganate Impinger			X					
VS2-STK-14B-M29-HCIRns	HCl Rinse of Permanganate Imp			X					

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>D Maxwell</i>	Date 10/11/13	Time 1630	Received by: <i>K Lin</i>	Date 10/12/13	Time 0846	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

13J150406



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
Dave Maxwell									
Sample ID Code	Sample Matrix	Date/Time							
VS2-STK-1FB-M29-PNR	Probe and Nozzle Rinse	10/8/13 0913	X	X					
VS2-STK-1FB-M29-Filt	Filter	↓	X	X					
VS2-STK-1FB-M29-NPI	Nitric/Peroxide Impingers	↓	X	X					
VS2-STK-1FB-M29-EIR	Empty Impinger Rinse	↓		X					
VS2-STK-1FB-M29-Perm	Permanganate Impinger	↓		X					
VS2-STK-1FB-M29-HCIRns	HCl Rinse of Permanganate Imp	↓		X					
VS2-STK-1RB-M29-Filt	Filter	10/11/13 1100					X		
VS2-STK-1RB-M29-NA Rns Soln	Nitric Acid Rinse Solution	↓					X		
VS2-STK-1RB-M29-NP Soln	Nitric Acid/Peroxide Solution	↓					X		
VS2-STK-1RB-M29-Perm Soln	Permanganate Solution	10/10/13 1000					X		
VS2-STK-1RB-M29-HCl Soln	HCl Rinse Solution	10/11/13 1100					X		
VS2-STK-1RB-M29-Water	Water	"					X		

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D Maxwell</i>	10/11/13	1630	<i>K L</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

~~Samples from SW0023A Sampling Trains~~

Project		Unit 2 CPT		PDD#001 by HRGMS (SW-846 Method 0001)	Cl ⁻ by M26A	Metals	Mercury	Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL								
Project Number		40942510.30-03								
Prepared by		Dave Maxwell								
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-14B	Probe and Nozzle Rinse									
M0023A-PNR										
VS2-STK-14B	Filter									
M0023A-Filt										
VS2-STK-14B	Condenser Rinse									
M0023A-CR										
VS2-STK-14B	XAD Sorbent Cartridge									
M0023A-XAD										
VS2-AUDIT- CI-1	Cl ⁻ in Imp Sol'n	10/11/13 1600		X						Audit Sample
VS2-AUDIT- CI-2	"			X						Lot SSAS 486
VS2-AUDIT- Hg-1	Hg in Imp Sol'n					X				
VS2-AUDIT- Hg-2	"					X				
VS2-AUDIT- MET-Filt	Metals on Filter				X					
VS2-AUDIT- MET-IMP	Metals in IMP Sol'n		Y		X					Y

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>D Maxwell</i>	10/11/13	1630	<i>Ku Lin</i>	10/12/13	0846			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

H3K010401

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.30-03									
Prepared by									
DP Maxwell									
Sample ID Code	Sample Matrix	Date/Time							
VS2-STK-15B-M0023A-PNR	Probe and Nozzle Rinse	10/30/13 1602	X						
VS2-STK-15B-M0023A-Filt	Filter	↓	X						
VS2-STK-15B-M0023A-CR	Condenser Rinse		X						
VS2-STK-15B-M0023A-XAD	XAD Sorbent Cartridge	↓	X						
VS2-STK-1FB2-M0023A-PNR	Probe and Nozzle Rinse	10/29/13 1139	X						NAMS DELIVERED NO CUSTODY SEALS 2 COPIES RECEIVED AT 0.4, 0.5°C MSD 11-1-13
VS2-STK-1FB2-M0023A-Filt	Filter	↓	X						
VS2-STK-1FB2-M0023A-CR	Condenser Rinse		X						
VS2-STK-1FB2-M0023A-XAD	XAD Sorbent Cartridge	↓	X						

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
DP Maxwell	10/30/13	18/8	MSR	10/30/13	18/18	MSR	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
MSR	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks: (Laboratory Only)



Chain of Custody Record

H3K010401

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRGCMS (SW-846 Method 8290)					Hold	MS/MSD	Comments
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942525.30-03										
Prepared by										
DP Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-15B-M0023A-PNR	Probe and Nozzle Rinse	10/30/13 1602	X							
VS2-STK-15B-M0023A-Filt	Filter	↓	X							
VS2-STK-15B-M0023A-CR	Condenser Rinse		X							
VS2-STK-15B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							
VS2-STK-1FB2-M0023A-PNR	Probe and Nozzle Rinse	10/29/13 1139	X							NAMS DELIVERED NO CUSTODY SEALS 2 CLOSURES RECEIVED AT 0.4, 0.5°C MSD 11-1-13
VS2-STK-1FB2-M0023A-Filt	Filter	↓	X							
VS2-STK-1FB2-M0023A-CR	Condenser Rinse		X							
VS2-STK-1FB2-M0023A-XAD	XAD Sorbent Cartridge	↓	X							

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
DP Maxwell	10/30/13	18/8	MSA	10/30/13	1818	MSA	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
MSA	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPEs - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A				MS/MSD	Comments
Unit 2 CPT									
Site									
Project Number									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-STK-15B-M29-PNR	Probe and Nozzle Rinse	10/30/13 1532	X	X					
VS2-STK-15B-M29-Filt	Filter		X	X					
VS2-STK-15B-M29-NPI	Nitric/Peroxide Impingers		X	X					
VS2-STK-15B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X					Combine with NPI for analysis
VS2-STK-15B-M29-EIR	Empty Impinger Rinse			X					
VS2-STK-15B-M29-Perm	Permanganate Impinger			X					
VS2-STK-15B-M29-HCIRns	HCl Rinse of Permanganate Imp	Y		X					

REC. @ AMBIENT
NO CUSTODY SEAL
3 BOXES RH 11-13
HAND DELIVERED

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>DP Maxwell</i>	Date 10/30/13	Time 1818	Received by: <i>MAP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MAP</i>	Date 10/31/13	Time 1505
Received by: <i>Kent</i>	Date 10/31/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPEs - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A				Hold	MS/MSD	Comments
Unit 2 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942525.30-03										
Prepared by										
DP Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-1FB2-M29-PNR	Probe and Nozzle Rinse	10/29/13 1254	X	X						
VS2-STK-1FB2-M29-Filt	Filter	↓	X	X						
VS2-STK-1FB2-M29-NPI	Nitric/Peroxide Impingers		X	X						
VS2-STK-1FB2-M29-EIR	Empty Impinger Rinse		X	X						Hg only
VS2-STK-1FB2-M29-Perm	Permanganate Impinger		X	X						"
VS2-STK-1FB2-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X						"

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>DP Maxwell</i>	Date 10/30/13	Time 1818	Received by: <i>MSP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MSP</i>	Date 10/30/13	Time 1505
Received by: <i>Ken W</i>	Date 10/30/13	Time 1505	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Project Number									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS2-STK-15B-M29-PNR	Probe and Nozzle Rinse	10/30/13 1532	X	X					REC. @ AMBIENT NO CUSTODY SEAL 3 BOXES RH 11-13 HAND DELIVERED
VS2-STK-15B-M29-Filt	Filter		X	X					
VS2-STK-15B-M29-NPI	Nitric/Peroxide Impingers		X	X					
VS2-STK-15B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X				Combine with NPI for analysis	
VS2-STK-15B-M29-EIR	Empty Impinger Rinse			X					
VS2-STK-15B-M29-Perm	Permanganate Impinger			X					
VS2-STK-15B-M29-HCIRns	HCl Rinse of Permanganate Imp	Y		X					

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>DP Maxwell</i>	Date: 10/30/13	Time: 1818	Received by: <i>MAP</i>	Date: 10/30/13	Time: 1818	Relinquished by: <i>MAP</i>	Date: 10/31/13	Time: 1505
Received by: <i>[Signature]</i>	Date: 10/31/13	Time: 1506	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Remarks: (Laboratory Only)



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project Unit 2 CPT			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A				Hold	MS/MSD	Comments
Site Veolia-Sauget, IL										
Project Number 40942525.30-03										
Prepared by DP Maxwell										
Sample ID Code	Sample Matrix	Date/Time								
VS2-STK-1FB2-M29-PNR	Probe and Nozzle Rinse	10/29/13 1254	X	X						
VS2-STK-1FB2-M29-Filt	Filter	↓	X	X						
VS2-STK-1FB2-M29-NPI	Nitric/Peroxide Impingers		X	X						
VS2-STK-1FB2-M29-EIR	Empty Impinger Rinse		X	X						Hg only
VS2-STK-1FB2-M29-Perm	Permanganate Impinger		X	X						"
VS2-STK-1FB2-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X						"

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>DP Maxwell</i>	Date 10/30/13	Time 1818	Received by: <i>Max P</i>	Date 10/30/13	Time 1818	Relinquished by: <i>Max P</i>	Date 10/30/13	Time 1505
Received by: <i>Ken Lin</i>	Date 10/31/13	Time 1505	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Hg Spiking Sol'n is ~ 2,270 ppm Hg <hr/> Cr Spiking Sol'n is ~ 18% Cr Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by THD/KLP/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HG-15B-Grab1	Mercury Spiking Soln	10/30/13 1245				X			
VS2-HG-15B-Grab2	Mercury Spiking Soln	10/30/13 1405				X			
VS2-HG-15B-Grab3	Mercury Spiking Soln	10/30/13 1530				X			
VS2-HG-15B-Grab4	Mercury Spiking Soln	10/30/13 1602 1602					X		
VS2-CR-15B-Grab1	Chromium Spiking Soln	10/30/13 1245			X				
VS2-CR-15B-Grab2	Chromium Spiking Soln	10/30/13 1405			X				
VS2-CR-15B-Grab3	Chromium Spiking Soln	10/30/13 1530			X				
VS2-CR-15B-Grab4	Chromium Spiking Soln	10/30/13 1602					X		
									REC. @ AMBIENT NO CUSTODY SEAL
									1 BOX RM 11-1-13 HAND DELIVERED

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tom Dai</i>	Date 10/30/13	Time 1615	Received by: <i>MSF</i>	Date 10/30/13	Time 1615	Relinquished by: <i>MSF</i>	Date 10/31/13	Time 1505
Received by: <i>Ken Uy</i>	Date 10/31/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
THD/KLP/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS2-HG-15B-Grab1	Mercury Spiking Soln	10/30/13 1245				X			
VS2-HG-15B-Grab2	Mercury Spiking Soln	10/30/13 1405				X			
VS2-HG-15B-Grab3	Mercury Spiking Soln	10/30/13 1530				X			
VS2-HG-15B-Grab4	Mercury Spiking Soln	10/30/13 1602 1602					X		
VS2-CR-15B-Grab1	Chromium Spiking Soln	10/30/13 1245			X				
VS2-CR-15B-Grab2	Chromium Spiking Soln	10/30/13 1405			X				
VS2-CR-15B-Grab3	Chromium Spiking Soln	10/30/13 1530			X				
VS2-CR-15B-Grab4	Chromium Spiking Soln	10/30/13 1602					X		
									REC. @ AMBIENT NO CUSTODY SEAL 1 BOX RH 11-1-13 HAND DELIVERED

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tom Dai</i>	10/30/13	1615	<i>MS</i>	10/30/13	1615	<i>MS</i>	10/30/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>Ken W</i>	10/30/13	1806						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3K010415

Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	REC. @ AMBIENT 3 BOXES RH 11-178 NO CUSTODY SEAL HAND DELIVERED
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by THD/KLP/IMP									
Sample ID Code	Sample Matrix	Date/Time							Comments
VS2-CS-15B-Comp2A	Containerized Solids	10/30/13 1345	X						
VS2-CS-15B-Comp2B	Containerized Solids	10/30/13 1530	X	X					
VS2-CS-15B-Comp2C	Containerized Solids	10/30/13 1600	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tom Dai</i>	Date 10/30/13	Time 1615	Received by: <i>MSP</i>	Date 10/30/13	Time 1615	Relinquished by: <i>MSP</i>	Date 10/31/13	Time 1505
Received by: <i>KLP</i>	Date 10/30/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by THD/KLP/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LBW-15B-Comp2A	Low Btu Liquid Waste	10/30/13 1347	X						
VS2-LBW-15B-Comp2B	Low Btu Liquid Waste	10/30/13 1547	X	X					
VS2-LBW-15B-Comp2C	Low Btu Liquid Waste	10/30/13 1602	X						
									HAND DELIVERED
									NO CUSTODY SEALS
									RECEIVED AT AMBIENT TEMP
									SKB 11-1-13

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Thomas Dai</i>	Date 10/30/13	Time 1615	Received by: <i>MP</i>	Date 10/30/13	Time 1615	Relinquished by: <i>MP</i>	Date 10/31/13	Time 1505
Received by: <i>Ken W</i>	Date 10/28/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



43K010416

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 2 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.30-03									
Prepared by									
by THD/KLP/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS2-LBW-15B-Comp2A	Low Btu Liquid Waste	10/30/13 1347	X						
VS2-LBW-15B-Comp2B	Low Btu Liquid Waste	10/30/13 1547	X	X					
VS2-LBW-15B-Comp2C	Low Btu Liquid Waste	10/30/13 1602	X						
								HAND DELIVERED	
								NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP DKB 11-1-13	

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tony Dai</i>	10/30/13	1615	<i>MP</i>	10/30/13	1615	<i>MP</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>KLP</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 2 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	REC. @ AMBIENT NO CUSTODY SEAL 3 BOXES RA 11-1-13 HAND DELIVERED
Site Veolia-Sauget, IL									
Project Number 40942510.30-03									
Prepared by TAD/KLP/MP									
Sample ID Code	Sample Matrix	Date/Time							Comments
VS2-HBW-15B-Comp2A	High Btu Liquid Waste	10/30/13 1346	X						
VS2-HBW-15B-Comp2B	High Btu Liquid Waste	10/30/13 1531	X	X					
VS2-HBW-15B-Comp2C	High Btu Liquid Waste	10/30/13 1601	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tad Dai</i>	Date 10/30/13	Time 1615	Received by: <i>M. Lopez</i>	Date 10/30/13	Time 1615	Relinquished by: <i>M. Lopez</i>	Date 10/31/13	Time 1505
Received by: <i>H. Un</i>	Date 10/31/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3J140407



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project		Unit 3 CPT		PCDD/PCDF by HRGCMS (SW-846 Method 8290)					Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL									
Project Number		40942510.40-03									
Prepared by		Kevin McGinn									
Sample ID Code	Sample Matrix	Date/Time									
VS3-STK-11B-M0023A-PNR	Probe and Nozzle Rinse										
VS3-STK-11B-M0023A-Filt	Filter										
VS3-STK-11B-M0023A-CR	Condenser Rinse										
VS3-STK-11B-M0023A-XAD	XAD Sorbent Cartridge										
VS3-STK-12B-M0023A-PNR	Probe and Nozzle Rinse	10/16/13 1720	X								
VS3-STK-12B-M0023A-Filt	Filter		X								
VS3-STK-12B-M0023A-CR	Condenser Rinse		X								HAND DELIVERED
VS3-STK-12B-M0023A-XAD	XAD Sorbent Cartridge		X								NO CUSTODY SEALS
VS3-STK-13B-M0023A-PNR	Probe and Nozzle Rinse	10/17/13 1555	X								RECEIVED AT 0.7°C
VS3-STK-13B-M0023A-Filt	Filter		X								BKD 10-19-13
VS3-STK-13B-M0023A-CR	Condenser Rinse		X								
VS3-STK-13B-M0023A-XAD	XAD Sorbent Cartridge		X								

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/10/13	1500	<i>[Signature]</i>	10/14/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H35190407



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRCMS (SW-846 Method 8290)									
Unit 3 CPT												
Site												
Veolia-Sauget, IL												
Project Number												
40942510.40-03												
Prepared by												
Kevin McGinn												
Sample ID Code	Sample Matrix	Date/Time					Hold	MS/MSD	Comments			
VS3-STK-1FB-MO023A-PNR	Probe and Nozzle Rinse	10/14/13 1657	X									
VS3-STK-1FB-MO023A-Filt	Filter	↓	X									
VS3-STK-1FB-MO023A-CR	Condenser Rinse		K									
VS3-STK-1FB-MO023A-XAD	XAD Sorbent Cartridge		X									
VS3-STK-1RB-MO023A-Filt	Filter											
VS3-STK-1RB-MO023A-XAD	XAD Sorbent Cartridge											
VS3-STK-1RB-MO023A-Ace	Acetone											
VS3-STK-1RB-MO023A-MeCl	Methylene Chloride											
VS3-STK-1RB-MO023A-Tol	Toluene											

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
	10/18/13	1500		10/19/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H33190709



Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project		Unit 3 CPT		Chloride by Ion Chromatography, per EPA Method 26A					Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL									
Project Number		40942510.40-03									
Prepared by		Kevin McGinn									
Sample ID Code	Sample Matrix	Date/Time									
VS3-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10									
VS3-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch										Laboratory to add Na ₂ S ₂ O ₃
VS3-STK-12B-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/16/13 1225	X								
VS3-STK-12B-M26A-AlkImp ✓	Sodium Hydroxide Impinger Catch	↓	X								Laboratory to add Na ₂ S ₂ O ₃
VS3-STK-13B-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/17/13 1057	X								
VS3-STK-13B-M26A-AlkImp ✓	Sodium Hydroxide Impinger Catch	↓	X								Laboratory to add Na ₂ S ₂ O ₃
VS3-STK-14B-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/18/13 1035	X								
VS3-STK-14B-M26A-AlkImp ✓	Sodium Hydroxide Impinger Catch	↓	X								Laboratory to add Na ₂ S ₂ O ₃
VS3-STK-1FB-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/15/13 0745	X								
VS3-STK-1FB-M26A-AlkImp ✓	Sodium Hydroxide Impinger Catch	↓	X								Laboratory to add Na ₂ S ₂ O ₃
VS3-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution										
VS3-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution										Laboratory to add Na ₂ S ₂ O ₃
VS3-STK-1RB-M26A-Water	Water										

HAND DELIVERED
NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
SKD 10-19-13

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
	10/18/13	1500		10/18/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)

H35190709



Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project			Chloride by Ion Chromatography, per EPA Method 26A					Hold	MS/MSD	Comments
Unit 3 CPT										
Site Veolia-Sauget, IL										
Project Number 40942510.40-03										
Prepared by Kevin McGinn										
Sample ID Code	Sample Matrix	Date/Time								
VS 3-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10								
VS 3-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch									Laboratory to add Na ₂ S ₂ O ₃
VS 3-STK-12B-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/16/13 1225	X							
VS 3-STK-12B-M26A-AlkImp ✓	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS 3-STK-13B-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/17/13 1057	X							
VS 3-STK-13B-M26A-AlkImp ✓	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS 3-STK-14B-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/18/13 1035	X							
VS 3-STK-14B-M26A-AlkImp ✓	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS 3-STK-1FB-M26A-AcdImp ✓	Sulfuric Acid Impinger Catch	10/15/13 0745	X							
VS 3-STK-1FB-M26A-AlkImp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS 3-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution									
VS 3-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution									Laboratory to add Na ₂ S ₂ O ₃
VS 3-STK-1RB-M26A-Water	Water									

HAND DELIVERED
NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
SKD 10-19-13

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>[Signature]</i>	Date 10/18/13	Time 1500	Received by: <i>[Signature]</i>	Date 10/18/13	Time 1028	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project			Particulate Matter - Gravimetric Determination per EPA Method 5				Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
Kevin McGinn									
Sample ID Code	Sample Matrix	Date/Time							
VS3-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/15/13 1425	X						HAND DELIVERED
VS3-STK-11A-M5-Filt	Filter	↓	X						NO CUSTODY SEALS
VS3-STK-12A-M5-PNR	Probe and Nozzle Rinse	10/16/13 1225	X						RECEIVED AT AMBIENT TEMP AED 10-19-13
VS3-STK-12A-M5-Filt	Filter	↓	X						
VS3-STK-13A-M5-PNR	Probe and Nozzle Rinse	10/17/13 1333	X						
VS3-STK-13A-M5-Filt	Filter	↓	X						
VS3-STK-14A-M5-PNR	Probe and Nozzle Rinse								
VS3-STK-14A-M5-Filt	Filter								
VS3-STK-1FB-M5-PNR	Probe and Nozzle Rinse	10/14/13 1504	X						
VS3-STK-1FB-M5-Filt	Filter	↓	X						
VS3-STK-1RB-M5-Ace	Acetone								
VS3-STK-1RB-M5-Filt	Filter								

Remarks: Provide results in total milligrams per sample. Raw data package required

Relinquished by: <i>[Signature]</i>	Date 10/12/13	Time 1500	Received by: <i>[Signature]</i>	Date 10/19/13	Time 1028	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project			Particulate Matter - Gravimetric Determination per EPA Method 5					Hold	MS/MSD	Comments
Unit 3 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.40-03										
Prepared by										
Kevin McGinn										
Sample ID Code	Sample Matrix	Date/Time								
VS3-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/15/13 1425	X							HAND DELIVERED
VS3-STK-11A-M5-Filt	Filter	↓	X							NO CUSTODY SEALS
VS3-STK-12A-M5-PNR	Probe and Nozzle Rinse	10/16/13 1225	X							RECEIVED AT AMBIENT TEMP NOV 10-14-13
VS3-STK-12A-M5-Filt	Filter	↓	X							
VS3-STK-13A-M5-PNR	Probe and Nozzle Rinse	10/17/13 1333	X							
VS3-STK-13A-M5-Filt	Filter	↓	X							
VS3-STK-14A-M5-PNR	Probe and Nozzle Rinse									
VS3-STK-14A-M5-Filt	Filter									
VS3-STK-1FB-M5-PNR	Probe and Nozzle Rinse	10/14/13 1504	X							
VS3-STK-1FB-M5-Filt	Filter	↓	X							
VS3-STK-1RB-M5-Ace	Acetone									
VS3-STK-1RB-M5-Filt	Filter									

Remarks: Provide results in total milligrams per sample. Raw data package required

Relinquished by: <i>[Signature]</i>	Date 10/18/13	Time 1500	Received by: <i>[Signature]</i>	Date 10/19/13	Time 1028	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project Unit 3 CPT			Metals by ICPEs - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A					
Site Veolia-Sauget, IL									
Project Number 40942510.40-03									
Prepared by <i>Kean McGinn</i>									
Sample ID Code	Sample Matrix	Date/Time				Hold	MS/MSD	Comments	
VS3-STK-11B-M29-PNR	Probe and Nozzle Rinse								
VS3-STK-11B-M29-Filt	Filter								
VS3-STK-11B-M29-NPI	Nitric/Peroxide Impingers								
VS3-STK-11B-M29-EIR	Empty Impinger Rinse							HAND DELIVERED NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP MSD 10-19-13	
VS3-STK-11B-M29-Perm	Permanganate Impinger								
VS3-STK-11B-M29-HCIRns	HCl Rinse of Permanganate Imp								
VS3-STK-12B-M29-PNR	Probe and Nozzle Rinse	<i>10/17/13 10116113 1650</i>	X						
VS3-STK-12B-M29-Filt	Filter		X						
VS3-STK-12B-M29-NPI	Nitric/Peroxide Impingers		X						
VS3-STK-12B-M29-EIR	Empty Impinger Rinse		X	X				Hg Only	
VS3-STK-12B-M29-Perm	Permanganate Impinger		X	X				Hg Only	
VS3-STK-12B-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X				Hg Only	

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	<i>10/17/13</i>	<i>1500</i>	<i>[Signature]</i>	<i>10/17/13</i>	<i>1628</i>			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



1433190412

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Unit 3 CPT									
Site Veolia-Sauget, IL									
Project Number 40942510.40-03									
Prepared by Kevin McGinnis									
Sample ID Code	Sample Matrix	Date/Time							
VS3-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/17/13 1525	X						
VS3-STK-13B-M29-Filt	Filter		X						
VS3-STK-13B-M29-NPI	Nitric/Peroxide Impingers		X						
VS3-STK-13B-M29-EIR	Empty Impinger Rinse		X	X					Hg only
VS3-STK-13B-M29-Perm	Permanganate Impinger		X	X					Hg Only
VS3-STK-13B-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X					Hg Only
VS3-STK-14B-M29-PNR	Probe and Nozzle Rinse	10/18/13 1220	X						
VS3-STK-14B-M29-Filt	Filter		X						
VS3-STK-14B-M29-NPI	Nitric/Peroxide Impingers		X						
VS3-STK-14B-M29-EIR	Empty Impinger Rinse		X	X					Hg Only
VS3-STK-14B-M29-Perm	Permanganate Impinger		X	X					Hg Only
VS3-STK-14B-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X					Hg Only

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/18/13	1500	<i>[Signature]</i>	10/19/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3J190412



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project Unit 3 CPT			Metals by ICPEs - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A						Comments
Site Veolia-Sauget, IL										
Project Number 40942510.40-03										
Prepared by <i>Kevin McGinn</i>										
Sample ID Code	Sample Matrix	Date/Time					Hold	MS/MSD		
VS3-STK-1FB-M29-PNR	Probe and Nozzle Rinse	10/14/13 1606	X							
VS3-STK-1FB-M29-Filt	Filter	↓	X							
VS3-STK-1FB-M29-NPI	Nitric/Peroxide Impingers		X							
VS3-STK-1FB-M29-EIR	Empty Impinger Rinse		X							
VS3-STK-1FB-M29-Perm	Permanganate Impinger		X							
VS3-STK-1FB-M29-HCIRns	HCl Rinse of Permanganate Imp	↓	X							
VS3-STK-1RB-M29-Filt	Filter									
VS3-STK-1RB-M29-NA Rns Soln	Nitric Acid Rinse Solution									
VS3-STK-1RB-M29-NP Soln	Nitric Acid/Peroxide Solution									
VS3-STK-1RB-M29-Perm Soln	Permanganate Solution									
VS3-STK-1RB-M29-HCl Soln	HCl Rinse Solution									
VS3-STK-1RB-M29-Water	Water									

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/14/13	1500	<i>[Signature]</i>	10/14/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3J190412



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project		Unit 3 CPT		Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A	Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL						
Project Number		40942510.40-03						
Prepared by		Kean McGinn						
Sample ID Code	Sample Matrix	Date/Time						
VS3-STK-11B-M29-PNR	Probe and Nozzle Rinse							
VS3-STK-11B-M29-Filt	Filter							
VS3-STK-11B-M29-NPI	Nitric/Peroxide Impingers							
VS3-STK-11B-M29-EIR	Empty Impinger Rinse							HAND DELIVERED NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP MSD 10-19-13
VS3-STK-11B-M29-Perm	Permanganate Impinger							
VS3-STK-11B-M29-HCIRns	HCl Rinse of Permanganate Imp							
VS3-STK-12B-M29-PNR	Probe and Nozzle Rinse	10/17/13 10116113 1650	X					
VS3-STK-12B-M29-Filt	Filter		X					
VS3-STK-12B-M29-NPI	Nitric/Peroxide Impingers		X					
VS3-STK-12B-M29-EIR	Empty Impinger Rinse		X	X				Hg Only
VS3-STK-12B-M29-Perm	Permanganate Impinger		X	X				Hg Only
VS3-STK-12B-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X				Hg Only

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/16/13	1500	<i>[Signature]</i>	10/16/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



1733190412

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A	Hold	MS/MSD	Comments
Unit 3 CPT							
Site							
Veolia-Sauget, IL							
Project Number							
40942510.40-03							
Prepared by							
Kevin McGinnis							
Sample ID Code	Sample Matrix	Date/Time					
VS3-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/17/13 1525	X				
VS3-STK-13B-M29-Filt	Filter		X				
VS3-STK-13B-M29-NPI	Nitric/Peroxide Impingers		X				
VS3-STK-13B-M29-EIR	Empty Impinger Rinse		X	X			Hg only
VS3-STK-13B-M29-Perm	Permanganate Impinger		X	X			Hg Only
VS3-STK-13B-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X			Hg Only
VS3-STK-14B-M29-PNR	Probe and Nozzle Rinse	10/18/13 1220	X				
VS3-STK-14B-M29-Filt	Filter		X				
VS3-STK-14B-M29-NPI	Nitric/Peroxide Impingers		X				
VS3-STK-14B-M29-EIR	Empty Impinger Rinse		X	X			Hg Only
VS3-STK-14B-M29-Perm	Permanganate Impinger		X	X			Hg Only
VS3-STK-14B-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X			Hg Only

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/18/13	1500	<i>[Signature]</i>	10/19/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3J190412



Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project Unit 3 CPT			Metals by ICPEs - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A				Hold	MS/MSD	Comments
Site Veolia-Sauget, IL										
Project Number 40942510.40-03										
Prepared by <i>Kevin McGinn</i>										
Sample ID Code	Sample Matrix	Date/Time								
VS3-STK-1FB-M29-PNR	Probe and Nozzle Rinse	10/14/13 1606	X							
VS3-STK-1FB-M29-Filt	Filter		X							
VS3-STK-1FB-M29-NPI	Nitric/Peroxide Impingers		X							
VS3-STK-1FB-M29-EIR	Empty Impinger Rinse			X						
VS3-STK-1FB-M29-Perm	Permanganate Impinger			X						
VS3-STK-1FB-M29-HCIRns	HCl Rinse of Permanganate Imp			X						
VS3-STK-1RB-M29-Filt	Filter									
VS3-STK-1RB-M29-NA Rns Soln	Nitric Acid Rinse Solution									
VS3-STK-1RB-M29-NP Soln	Nitric Acid/Peroxide Solution									
VS3-STK-1RB-M29-Perm Soln	Permanganate Solution									
VS3-STK-1RB-M29-HCl Soln	HCl Rinse Solution									
VS3-STK-1RB-M29-Water	Water									

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/16/13	1500	<i>[Signature]</i>	10/16/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3J190714

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
TAD/CA/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-CR-11B-Grab1	Chromium Spiking Soln								
VS3-CR-11B-Grab2	Chromium Spiking Soln								
VS3-CR-11B-Grab3	Chromium Spiking Soln								
VS3-CR-11B-Grab4	Chromium Spiking Soln								
VS3-CR-12B-Grab1	Chromium Spiking Soln	10/16/13 1400		X					
VS3-CR-12B-Grab2	Chromium Spiking Soln	10/16/13 1503		X					
VS3-CR-12B-Grab3	Chromium Spiking Soln	10/16/13 1650		X					
VS3-CR-12B-Grab4	Chromium Spiking Soln	10/16/13 1720				X			
VS3-CR-13B-Grab1	Chromium Spiking Soln	10/17/13 1230		X					
VS3-CR-13B-Grab2	Chromium Spiking Soln	10/17/13 1335		X					
VS3-CR-13B-Grab3	Chromium Spiking Soln	10/17/13 1520		X					
VS3-CR-13B-Grab4	Chromium Spiking Soln	10/17/13 1555					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>TAD</i>	10/18/13	1400	<i>MP</i>	10/17/13	1020			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3J190414

Chain of Custody Record

Waste Feed Samples

Project Unit 3 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942525.40-03									
Prepared by TAD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-CR-14B-Grab1	Chromium Spiking Soln	10/18/13 0935			X				
VS3-CR-14B-Grab2	Chromium Spiking Soln	10/18/13 1638			X				
VS3-CR-14B-Grab3	Chromium Spiking Soln	10/18/13 1218			X				
VS3-CR-14B-Grab4	Chromium Spiking Soln	10/18/13 1251					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tom Deir</i>	Date 10/18/13	Time 1400	Received by: <i>[Signature]</i>	Date 10/19/13	Time 1628	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

088 10-19-13
H33150403 H33190414

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MSMSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
TAD / MP / CH									
Sample ID Code	Sample Matrix	Date/Time							
VS3-HG-11B-Grab1	Mercury Spiking Soln	10							
VS3-HG-11B-Grab2	Mercury Spiking Soln								
VS3-HG-11B-Grab3	Mercury Spiking Soln								
VS3-HG-11B-Grab4	Mercury Spiking Soln								
VS3-HG-12B-Grab1	Mercury Spiking Soln	10/16/13 1400			X				
VS3-HG-12B-Grab2	Mercury Spiking Soln	10/16/13 1503			X				
VS3-HG-12B-Grab3	Mercury Spiking Soln	10/16/13 1650			X				
VS3-HG-12B-Grab4	Mercury Spiking Soln	10/16/13 1720			X	X			
VS3-HG-13B-Grab1	Mercury Spiking Soln	10/17/13 1230			X				
VS3-HG-13B-Grab2	Mercury Spiking Soln	10/17/13 1335			X				
VS3-HG-13B-Grab3	Mercury Spiking Soln	10/17/13 1520			X				
VS3-HG-13B-Grab4	Mercury Spiking Soln	10/17/13 1555					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tom De...</i>	Date 10/18/13	Time 1400	Received by: <i>[Signature]</i>	Date 10/19/13	Time 1025	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3J190714

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
TAD/CA/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-CR-11B-Grab1	Chromium Spiking Soln								
VS3-CR-11B-Grab2	Chromium Spiking Soln								
VS3-CR-11B-Grab3	Chromium Spiking Soln								
VS3-CR-11B-Grab4	Chromium Spiking Soln								
VS3-CR-12B-Grab1	Chromium Spiking Soln	10/16/13 1400		X					
VS3-CR-12B-Grab2	Chromium Spiking Soln	10/16/13 1503		X					
VS3-CR-12B-Grab3	Chromium Spiking Soln	10/16/13 1650		X					
VS3-CR-12B-Grab4	Chromium Spiking Soln	10/16/13 1720					X		
VS3-CR-13B-Grab1	Chromium Spiking Soln	10/17/13 1230		X					
VS3-CR-13B-Grab2	Chromium Spiking Soln	10/17/13 1335		X					
VS3-CR-13B-Grab3	Chromium Spiking Soln	10/17/13 1520		X					
VS3-CR-13B-Grab4	Chromium Spiking Soln	10/17/13 1555					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tad</i>	10/18/13	1400	<i>[Signature]</i>	10/17/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

058 10-14-13
H33150403 H33190414

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
TAD / MP / CH									
Sample ID Code	Sample Matrix	Date/Time							
VS3-HG-11B-Grab1	Mercury Spiking Soln	10							
VS3-HG-11B-Grab2	Mercury Spiking Soln								
VS3-HG-11B-Grab3	Mercury Spiking Soln								
VS3-HG-11B-Grab4	Mercury Spiking Soln								
VS3-HG-12B-Grab1	Mercury Spiking Soln	10/16/13 1400				X			
VS3-HG-12B-Grab2	Mercury Spiking Soln	10/16/13 1503				X			
VS3-HG-12B-Grab3	Mercury Spiking Soln	10/16/13 1650				X			
VS3-HG-12B-Grab4	Mercury Spiking Soln	10/16/13 1720				X	X		
VS3-HG-13B-Grab1	Mercury Spiking Soln	10/17/13 1230				X			
VS3-HG-13B-Grab2	Mercury Spiking Soln	10/17/13 1335				X			
VS3-HG-13B-Grab3	Mercury Spiking Soln	10/17/13 1520				X			
VS3-HG-13B-Grab4	Mercury Spiking Soln	10/17/13 1555					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
TAD	10/18/13	1400	[Signature]	10/19/13	1020			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



435140415

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
THD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-CS-11A-Comp1	Containerized Solids	10/15/13 1416	X						
VS3-CS-11B-Comp2A	Containerized Solids								HAND DELIVERED
VS3-CS-11B-Comp2B	Containerized Solids								NO CUSTODY SEALS
VS3-CS-11B-Comp2C	Containerized Solids								RECEIVED AT AMBIENT TEMP
VS3-CS-12A-Comp1	Containerized Solids	10/16/13 1215	X						SRD 10-19-13
VS3-CS-12B-Comp2A	Containerized Solids	10/16/13 1500	X						
VS3-CS-12B-Comp2B	Containerized Solids	10/16/13 1645	X	X					
VS3-CS-12B-Comp2C	Containerized Solids	10/16/13 1715	X						
VS3-CS-13A-Comp1	Containerized Solids	10/17/13 1050	X						
VS3-CS-13B-Comp2A	Containerized Solids	10/17/13 1330	X						
VS3-CS-13B-Comp2B	Containerized Solids	10/17/13 1515	X	X					
VS3-CS-13B-Comp2C	Containerized Solids	10/17/13 1545	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tuan Dai</i>	10/21/13	1400	<i>[Signature]</i>	10/21/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



1735190415
Chain of Custody Record

Waste Feed Samples

Project Unit 3 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942525.40-03									
Prepared by THD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-CS-14A-Comp1	Containerized Solids								
VS3-CS-14B-Comp2A	Containerized Solids	10/18/13 1035	X						
VS3-CS-14B-Comp2B	Containerized Solids	10/18/13 1220	X	X					
VS3-CS-14B-Comp2C	Containerized Solids	10/18/13 1250	X						
VS3-CS-12B-Comp2B-Dup	Containerized Solids	10/16/13 1645	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tom Dene</i>	Date: 10/18/13	Time: 1400	Received by: <i>KW</i>	Date: 10/19/13	Time: 1028	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Remarks (Laboratory Only)



435140415

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
THD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-CS-11A-Comp1	Containerized Solids	10/15/13 1416	X						
VS3-CS-11B-Comp2A	Containerized Solids								HAND DELIVERED
VS3-CS-11B-Comp2B	Containerized Solids								NO CUSTODY SEALS
VS3-CS-11B-Comp2C	Containerized Solids								RECEIVED AT AMBIENT TEMP
VS3-CS-12A-Comp1	Containerized Solids	10/16/13 1215	X						SRD 10-19-13
VS3-CS-12B-Comp2A	Containerized Solids	10/16/13 1500	X						
VS3-CS-12B-Comp2B	Containerized Solids	10/16/13 1645	X	X					
VS3-CS-12B-Comp2C	Containerized Solids	10/16/13 1715	X						
VS3-CS-13A-Comp1	Containerized Solids	10/17/13 1050	X						
VS3-CS-13B-Comp2A	Containerized Solids	10/17/13 1330	X						
VS3-CS-13B-Comp2B	Containerized Solids	10/17/13 1515	X	X					
VS3-CS-13B-Comp2C	Containerized Solids	10/17/13 1545	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tina Ai</i>	10/21/13	1400	<i>[Signature]</i>	10/21/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



1735190415
Chain of Custody Record

Waste Feed Samples

Project Unit 3 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942525.40-03									
Prepared by THD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-CS-14A-Comp1	Containerized Solids								
VS3-CS-14B-Comp2A	Containerized Solids	10/18/13 1035	X						
VS3-CS-14B-Comp2B	Containerized Solids	10/18/13 1220	X	X					
VS3-CS-14B-Comp2C	Containerized Solids	10/18/13 1250	X						
VS3-CS-12B-Comp2B-Dup	Containerized Solids	10/16/13 1645	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tom D...</i>	Date 10/18/13	Time 1400	Received by: <i>K...</i>	Date 10/19/13	Time 1028	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H35190416

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
THD / CA / IMP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-HBW-11A-Comp1	High Btu Liquid Waste	10/15/13 1415	X						
VS3-HBW-11B-Comp2A	High Btu Liquid Waste								
VS3-HBW-11B-Comp2B	High Btu Liquid Waste								
VS3-HBW-11B-Comp2C	High Btu Liquid Waste								
VS3-HBW-12A-Comp1	High Btu Liquid Waste	10/16/13 1216	X						VS3-HBW-12A-Comp1
VS3-HBW-12B-Comp2A	High Btu Liquid Waste	10/16/13 1501	X						HAND DELIVERED
VS3-HBW-12B-Comp2B	High Btu Liquid Waste	10/16/13 1646	X	X					NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP ASD 10-19-13
VS3-HBW-12B-Comp2C	High Btu Liquid Waste	10/16/13 1716	X						
VS3-HBW-13A-Comp1	High Btu Liquid Waste	10/17/13 1051	X						
VS3-HBW-13B-Comp2A	High Btu Liquid Waste	10/17/13 1331	X						
VS3-HBW-13B-Comp2B	High Btu Liquid Waste	10/17/13 1516	X	X					
VS3-HBW-13B-Comp2C	High Btu Liquid Waste	10/17/13 1546	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tom Dain</i>	10/18/13	1400	<i>[Signature]</i>	10/18/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks: (Laboratory Only)



H33190416

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
THD / CH / MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-HBW-14A-Comp1	High Btu Liquid Waste								
VS3-HBW-14B-Comp2A	High Btu Liquid Waste	10/18/13 1034	X						
VS3-HBW-14B-Comp2B	High Btu Liquid Waste	10/18/13 1220	X	X					
VS3-HBW-14B-Comp2C	High Btu Liquid Waste	10/18/13 1250	X						
VS3-HBW-14B-Comp2B-Dup	High Btu Liquid Waste	10/16/13 1846	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tom Dai</i>	10/18/13	1400	<i>[Signature]</i>	10/18/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H35190416

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
THD LCA IMP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-HBW-11A-Comp1	High Btu Liquid Waste	10/15/13 1415	X						
VS3-HBW-11B-Comp2A	High Btu Liquid Waste								
VS3-HBW-11B-Comp2B	High Btu Liquid Waste								
VS3-HBW-11B-Comp2C	High Btu Liquid Waste								
VS3-HBW-12A-Comp1	High Btu Liquid Waste	10/16/13 1216	X						VS3-HBW-12A-Comp1
VS3-HBW-12B-Comp2A	High Btu Liquid Waste	10/16/13 1501	X						HAND DELIVERED
VS3-HBW-12B-Comp2B	High Btu Liquid Waste	10/16/13 1646	X	X					NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP ASD 10-19-13
VS3-HBW-12B-Comp2C	High Btu Liquid Waste	10/16/13 1716	X						
VS3-HBW-13A-Comp1	High Btu Liquid Waste	10/17/13 1051	X						
VS3-HBW-13B-Comp2A	High Btu Liquid Waste	10/17/13 1331	X						
VS3-HBW-13B-Comp2B	High Btu Liquid Waste	10/17/13 1516	X	X					
VS3-HBW-13B-Comp2C	High Btu Liquid Waste	10/17/13 1546	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tom Dain</i>	10/18/13	1400	<i>Tom Dain</i>	10/18/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3319041b

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
THD / CH / MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-HBW-14A-Comp1	High Btu Liquid Waste								
VS3-HBW-14B-Comp2A	High Btu Liquid Waste	10/18/13 1034	X						
VS3-HBW-14B-Comp2B	High Btu Liquid Waste	10/18/13 1220	X	X					
VS3-HBW-14B-Comp2C	High Btu Liquid Waste	10/18/13 1250	X						
VS3-HBW-14B-Comp2B-Dup	High Btu Liquid Waste	10/16/13 1646	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tom Dai</i>	10/18/13	1400	<i>[Signature]</i>	10/18/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



435190417

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
THD IMP ICH									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LBW-11A-Comp1	Low Btu Liquid Waste	10/15/13 1416	X						
VS3-LBW-11B-Comp2A	Low Btu Liquid Waste								
VS3-LBW-11B-Comp2B	Low Btu Liquid Waste								
VS3-LBW-11B-Comp2C	Low Btu Liquid Waste								
VS3-LBW-12A-Comp1	Low Btu Liquid Waste	10/16/13 1217	X						HAND DELIVERED
VS3-LBW-12B-Comp2A	Low Btu Liquid Waste	10/16/13 1502	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS3-LBW-12B-Comp2B	Low Btu Liquid Waste	10/16/13 1647	X	X					BYD 10-14-13
VS3-LBW-12B-Comp2C	Low Btu Liquid Waste	10/16/13 1717	X						
VS3-LBW-13A-Comp1	Low Btu Liquid Waste	10/17/13 1052	X						
VS3-LBW-13B-Comp2A	Low Btu Liquid Waste	10/17/13 1332	X						
VS3-LBW-13B-Comp2B	Low Btu Liquid Waste	10/17/13 1517	X	X					
VS3-LBW-13B-Comp2C	Low Btu Liquid Waste	10/17/13 1547	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Ben Dai</i>	10/18/13	1400	<i>Ken La</i>	10/19/13	1608			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



93J190417

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
TAD / CH / MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LBW-14A-Comp1	Low Btu Liquid Waste	10/18/13							
VS3-LBW-14B-Comp2A	Low Btu Liquid Waste	10/18/13 1035	X						
VS3-LBW-14B-Comp2B	Low Btu Liquid Waste	10/18/13 1220	X	X					
VS3-LBW-14B-Comp2C	Low Btu Liquid Waste	10/18/13 1250	X						
VS3-LBW-12B-Comp2B-Dup	Low Btu Liq. Waste	10/16/13 1647	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Ten Dai</i>	Date 10/18/13	Time 1400	Received by: <i>[Signature]</i>	Date 10/19/13	Time 1628	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

43J140407



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRGCMS (SW-846 Method 8290)					Hold	MS/MSD	Comments
Unit 3 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.40-03										
Prepared by										
Kevin McGinn										
Sample ID Code	Sample Matrix	Date/Time								
VS3-STK-11B-M0023A-PNR	Probe and Nozzle Rinse									
VS3-STK-11B-M0023A-Filt	Filter									
VS3-STK-11B-M0023A-CR	Condenser Rinse									
VS3-STK-11B-M0023A-XAD	XAD Sorbent Cartridge									
VS3-STK-12B-M0023A-PNR	Probe and Nozzle Rinse	10/16/13 1720	X							
VS3-STK-12B-M0023A-Filt	Filter	↓	X							
VS3-STK-12B-M0023A-CR	Condenser Rinse		X							
VS3-STK-12B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							HAND DELIVERED NO CUSTODY SEALS
VS3-STK-13B-M0023A-PNR	Probe and Nozzle Rinse	10/17/13 1555	X							RECEIVED AT D. J. C.
VS3-STK-13B-M0023A-Filt	Filter	↓	X							BKD 10-19-13
VS3-STK-13B-M0023A-CR	Condenser Rinse		X							
VS3-STK-13B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/16/13	1500	<i>[Signature]</i>	10/19/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H35140407



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project Unit 3 CPT			PCDD/PCDF by HRCMS (SW-846 Method 8290)					Hold	MS/MSD	Comments
Site Veolia-Sauget, IL										
Project Number 40942510.40-03										
Prepared by <i>Kevin McGinn</i>										
Sample ID Code	Sample Matrix	Date/Time								
VS3-STK-1FB-MO023A-PNR	Probe and Nozzle Rinse	10/18/13 1657	X							
VS3-STK-1FB-MO023A-Filt	Filter	↓	X							
VS3-STK-1FB-MO023A-CR	Condenser Rinse		X							
VS3-STK-1FB-MO023A-XAD	XAD Sorbent Cartridge	↓	X							
VS3-STK-1RB-MO023A-Filt	Filter									
VS3-STK-1RB-MO023A-XAD	XAD Sorbent Cartridge									
VS3-STK-1RB-MO023A-Ace	Acetone									
VS3-STK-1RB-MO023A-MeCl	Methylene Chloride									
VS3-STK-1RB-MO023A-Tol	Toluene									

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/18/13	1500	<i>[Signature]</i>	10/19/13	1624			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



435190417

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
THD IMP ICH									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LBW-11A-Comp1	Low Btu Liquid Waste	10/15/13 1416	X						
VS3-LBW-11B-Comp2A	Low Btu Liquid Waste								
VS3-LBW-11B-Comp2B	Low Btu Liquid Waste								
VS3-LBW-11B-Comp2C	Low Btu Liquid Waste								
VS3-LBW-12A-Comp1	Low Btu Liquid Waste	10/16/13 1217	X						HAND DELIVERED
VS3-LBW-12B-Comp2A	Low Btu Liquid Waste	10/16/13 1502	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS3-LBW-12B-Comp2B	Low Btu Liquid Waste	10/16/13 1647	X	X					BYD 10-14-13
VS3-LBW-12B-Comp2C	Low Btu Liquid Waste	10/16/13 1717	X						
VS3-LBW-13A-Comp1	Low Btu Liquid Waste	10/17/13 1052	X						
VS3-LBW-13B-Comp2A	Low Btu Liquid Waste	10/17/13 1332	X						
VS3-LBW-13B-Comp2B	Low Btu Liquid Waste	10/17/13 1517	X	X					
VS3-LBW-13B-Comp2C	Low Btu Liquid Waste	10/17/13 1547	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tom Dai</i>	10/18/13	1400	<i>Ken La</i>	10/19/13	1608			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



93J190417

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.40-03									
Prepared by									
TAD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LBW-14A-Comp1	Low Btu Liquid Waste	AD							
VS3-LBW-14B-Comp2A	Low Btu Liquid Waste	10/18/13 1035	X						
VS3-LBW-14B-Comp2B	Low Btu Liquid Waste	10/18/13 1220	X	X					
VS3-LBW-14B-Comp2C	Low Btu Liquid Waste	10/18/13 1250	X						
VS3-LBW-12B-Comp2B-Dup	Low Btu Liq. Waste	10/16/13 1647	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Tad Sai</i>	Date 10/18/13	Time 1400	Received by: <i>[Signature]</i>	Date 10/19/13	Time 1628	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



133190418

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
TAD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LWF-11A-Comp1	Liquid Waste Feed	10/15/13 1414	X						
VS3-LWF-11B-Comp2A	Liquid Waste Feed								
VS3-LWF-11B-Comp2B	Liquid Waste Feed								
VS3-LWF-11B-Comp2C	Liquid Waste Feed								
VS3-LWF-12A-Comp1	Liquid Waste Feed	10/16/13 1215	X						HAND DELIVERED
VS3-LWF-12B-Comp2A	Liquid Waste Feed	10/16/13 1500	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS3-LWF-12B-Comp2B	Liquid Waste Feed	10/16/13 1645	X	X					6/0 10-14-13
VS3-LWF-12B-Comp2C	Liquid Waste Feed	10/16/13 1715	X						
VS3-LWF-13A-Comp1	Liquid Waste Feed	10/17/13 1050	X						
VS3-LWF-13B-Comp2A	Liquid Waste Feed	10/17/13 1330	X						
VS3-LWF-13B-Comp2B	Liquid Waste Feed	10/17/13 1515	X	X					
VS3-LWF-13B-Comp2C	Liquid Waste Feed	10/17/13 1545	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Tad Deir	10/18/13	1400	[Signature]	10/18/13	1228			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Held	MSMSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
THD/KH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LWF-14A-Comp1	Liquid Waste Feed	10/18/13 1035							
VS3-LWF-14B-Comp2A	Liquid Waste Feed	10/18/13 10220 1035	X						
VS3-LWF-14B-Comp2B	Liquid Waste Feed	10/18/13 1220	X	X					
VS3-LWF-14B-Comp2C	Liquid Waste Feed	10/18/13 1250	X						
VS3-LWF-12B-Comp2B-DUP	Liquid Waste Feed	10/16/13 1645	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tan Di</i>	10/18/13	1400	<i>Ken La</i>	10/18/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



133190418

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
TAD/CH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LWF-11A-Comp1	Liquid Waste Feed	10/15/13 1414	X						
VS3-LWF-11B-Comp2A	Liquid Waste Feed								
VS3-LWF-11B-Comp2B	Liquid Waste Feed								
VS3-LWF-11B-Comp2C	Liquid Waste Feed								
VS3-LWF-12A-Comp1	Liquid Waste Feed	10/16/13 1215	X						HAND DELIVERED
VS3-LWF-12B-Comp2A	Liquid Waste Feed	10/16/13 1500	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS3-LWF-12B-Comp2B	Liquid Waste Feed	10/16/13 1645	X	X					6/0 10-14-13
VS3-LWF-12B-Comp2C	Liquid Waste Feed	10/16/13 1715	X						
VS3-LWF-13A-Comp1	Liquid Waste Feed	10/17/13 1050	X						
VS3-LWF-13B-Comp2A	Liquid Waste Feed	10/17/13 1330	X						
VS3-LWF-13B-Comp2B	Liquid Waste Feed	10/17/13 1515	X	X					
VS3-LWF-13B-Comp2C	Liquid Waste Feed	10/17/13 1545	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Tad Deir	10/18/13	1400	[Signature]	10/18/13	1228			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

13J190418



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Held	MSMSD	Comments
Unit 3 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.40-03									
Prepared by									
THD/KH/MP									
Sample ID Code	Sample Matrix	Date/Time							
VS3-LWF-14A-Comp1	Liquid Waste Feed	10/18/13 1035							
VS3-LWF-14B-Comp2A	Liquid Waste Feed	10/18/13 10/22/13 1035	X						
VS3-LWF-14B-Comp2B	Liquid Waste Feed	10/18/13 1220	X	X					
VS3-LWF-14B-Comp2C	Liquid Waste Feed	10/18/13 1250	X						
VS3-LWF-12B-Comp2B-DUP	Liquid Waste Feed	10/16/13 1645	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>Tan Di</i>	10/18/13	1400	<i>Ken La</i>	10/18/13	1628			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks: (Laboratory Only)

H3KD10402



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRGCMS (SW-846 Method 8290)					Hold	MS/MSD	Comments
Unit 4 CPT										
Site										
Veolia-Sauget, IL										
Project Number										
40942510.20-03										
Prepared by										
Kevin McBurn										
Sample ID Code	Sample Matrix	Date/Time								
VS4-STK-11B-M0023A-PNR	Probe and Nozzle Rinse	10/23/13 1550	X							
VS4-STK-11B-M0023A-Filt	Filter	↓	X							
VS4-STK-11B-M0023A-CR	Condenser Rinse	↓	X							
VS4-STK-11B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							
VS4-STK-12B-M0023A-PNR	Probe and Nozzle Rinse	10/24/13 1545	X					2 COOLERS		HAND DELIVERED NO CUSTODY SEALS RECEIVED AT 0.4, 0.5"e SID 11-1-13
VS4-STK-12B-M0023A-Filt	Filter	↓	X							
VS4-STK-12B-M0023A-CR	Condenser Rinse	↓	X							
VS4-STK-12B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							
VS4-STK-13B-M0023A-PNR	Probe and Nozzle Rinse	10/25/13 1641	X							
VS4-STK-13B-M0023A-Filt	Filter	↓	X							
VS4-STK-13B-M0023A-CR	Condenser Rinse	↓	X							
VS4-STK-13B-M0023A-XAD	XAD Sorbent Cartridge	↓	X							

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
	10/31/13	1818		10/30/13	1818		10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3K010402



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project Unit 4 CPT			PCDD/PCDF by HRGCMS (SW-846 Method 8290)									
Site Veolia-Sauget, IL												
Project Number 40942510.20-03												
Prepared by Kevin Mcbinn												
Sample ID Code	Sample Matrix	Date/Time						Hold	MS/MSD	Comments		
VS4-STK-1FB-M0023A-PNR	Probe and Nozzle Rinse	10/22/13 1146	X									
VS4-STK-1FB-M0023A-Filt	Filter	↓	X									
VS4-STK-1FB-M0023A-CR	Condenser Rinse		X									
VS4-STK-1FB-M0023A-XAD	XAD Sorbent Cartridge		X									
VS4-STK-1RB-M0023A-Filt	Filter											
VS4-STK-1RB-M0023A-XAD	XAD Sorbent Cartridge											
VS4-STK-1RB-M0023A-Ace	Acetone											
VS4-STK-1RB-M0023A-MeCl	Methylene Chloride											
VS4-STK-1RB-M0023A-Tol	Toluene											

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

H3K010422

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
Kevin McBurn									
Sample ID Code	Sample Matrix	Date/Time							
VS4-STK-11B-M29-PNR	Probe and Nozzle Rinse	10/23/13 1526	X	X					
VS4-STK-11B-M29-Filt	Filter	↓	X	X					
VS4-STK-11B-M29-NPI	Nitric/Peroxide Impingers		X	X					} combine for analysis
VS4-STK-11B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X					
VS4-STK-11B-M29-EIR	Empty Impinger Rinse				X				
VS4-STK-11B-M29-Perm	Permanganate Impinger				X				
VS4-STK-11B-M29-HCIRns	HCl Rinse of Permanganate Imp				X				

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

43K010422

Samples from Multi-Metals Sampling Trains

Project Unit 4 CPT			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A					
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by Kevin McInn									
Sample ID Code	Sample Matrix	Date/Time							
VS4-STK-12B-M29-PNR	Probe and Nozzle Rinse	10/24/13 1515	X	X					
VS4-STK-12B-M29-Filt	Filter		X	X					
VS4-STK-12B-M29-NPI	Nitric/Peroxide Impingers		X	X					} combine for analysis
VS4-STK-12B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X					
VS4-STK-12B-M29-EIR	Empty Impinger Rinse			X					
VS4-STK-12B-M29-Perm	Permanganate Impinger			X					
VS4-STK-12B-M29-HCIRns	HCl Rinse of Permanganate Imp			X					

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505
Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3K011422

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project Unit 4 CPT			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by Kevin McInn									
Sample ID Code	Sample Matrix	Date/Time							
VS4-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/25/13 1611	X	X					
VS4-STK-13B-M29-Filt	Filter	↓	X	X					
VS4-STK-13B-M29-NPI	Nitric/Peroxide Impingers		X	X					} combine for analysis
VS4-STK-13B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X					
VS4-STK-13B-M29-EIR	Empty Impinger Rinse				X				
VS4-STK-13B-M29-Perm	Permanganate Impinger				X				
VS4-STK-13B-M29-HCIRns	HCl Rinse of Permanganate Imp				X				

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3K010422

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project		Unit 4 CPT		Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A				Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL									
Project Number		40942510									
Prepared by		Keon McInn									
	Sample Matrix	Date/Time									
VS4-STK-1FB-M29-PNR	Probe and Nozzle Rinse	10/23/13 1226	X	X							
VS4-STK-1FB-M29-Filt	Filter	↓	X	X							
VS4-STK-1FB-M29-NPI	Nitric/Peroxide Impingers		X	X							
VS4-STK-1FB-M29-EIR	Empty Impinger Rinse				X						
VS4-STK-1FB-M29-Perm	Permanganate Impinger				X						
VS4-STK-1FB-M29-HCIRns	HCl Rinse of Permanganate Imp				X						

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/20/13	1818	<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

H3K010422

Samples from Multi-Metals Sampling Trains

Project			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
Kevin McBurn									
Sample ID Code	Sample Matrix	Date/Time							
VS4-STK-11B-M29-PNR	Probe and Nozzle Rinse	10/23/13 1526	X	X					
VS4-STK-11B-M29-Filt	Filter	↓	X	X					
VS4-STK-11B-M29-NPI	Nitric/Peroxide Impingers		X	X					} combine for analysis
VS4-STK-11B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X					
VS4-STK-11B-M29-EIR	Empty Impinger Rinse				X				
VS4-STK-11B-M29-Perm	Permanganate Impinger				X				
VS4-STK-11B-M29-HCIRns	HCl Rinse of Permanganate Imp				X				

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

H3K010422

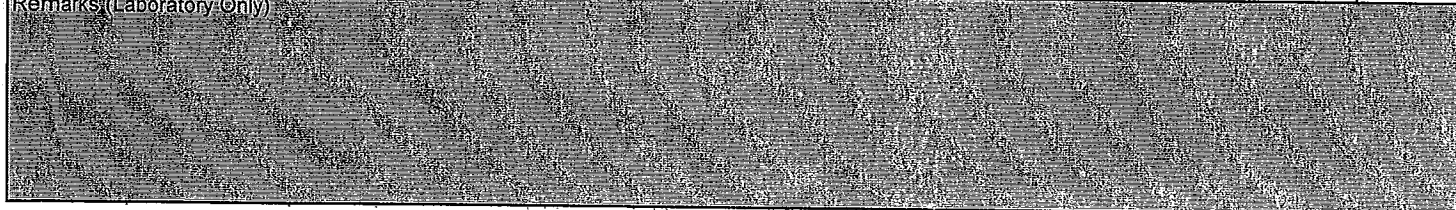
Samples from Multi-Metals Sampling Trains

Project Unit 4 CPT			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by <i>Kevin McBinn</i>									
Sample ID Code	Sample Matrix	Date/Time							
VS4-STK-12B-M29-PNR	Probe and Nozzle Rinse	10/24/13 1515	X	X					
VS4-STK-12B-M29-Filt	Filter	↓	X	X					
VS4-STK-12B-M29-NPI	Nitric/Peroxide Impingers		X	X					} combine for analysis
VS4-STK-12B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X					
VS4-STK-12B-M29-EIR	Empty Impinger Rinse				X				
VS4-STK-12B-M29-Perm	Permanganate Impinger				X				
VS4-STK-12B-M29-HCIRns	HCl Rinse of Permanganate Imp		▽		X				

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505
Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)





H3K010422

Chain of Custody Record

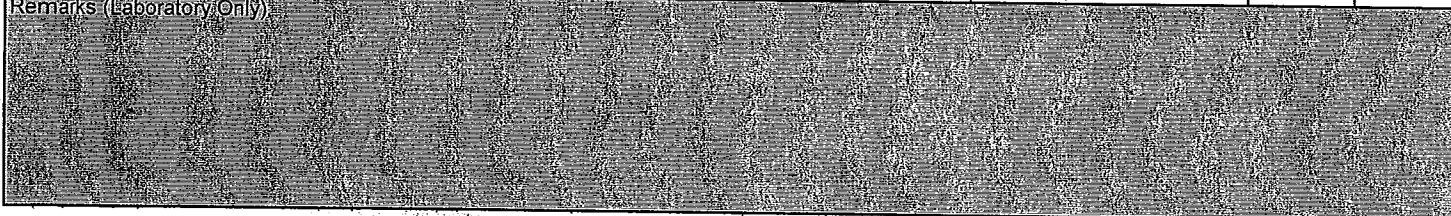
Samples from Multi-Metals Sampling Trains

Project Unit 4 CPT			Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by Kevin McInn									
Sample ID Code	Sample Matrix	Date/Time							
VS4-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/25/13 1611	X	X					
VS4-STK-13B-M29-Filt	Filter	↓	X	X					
VS4-STK-13B-M29-NPI	Nitric/Peroxide Impingers		X	X					} combine for analysis
VS4-STK-13B-M29-NPIB	Nitric/Peroxide Impingers - Bottle B		X	X					
VS4-STK-13B-M29-EIR	Empty Impinger Rinse				X				
VS4-STK-13B-M29-Perm	Permanganate Impinger				X				
VS4-STK-13B-M29-HCIRns	HCl Rinse of Permanganate Imp				X				

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by: 	Date 10/30/13	Time 1818	Received by: 	Date 10/30/13	Time 1818	Relinquished by: 	Date 10/31/13	Time 1505
Received by: 	Date 10/31/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)





H3K010422

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project		Unit 4 CPT		Metals by ICPEES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL								
Project Number		40942510								
Prepared by		Kevin McBurn								
	Sample Matrix	Date/Time								
VS4-STK-1FB-M29-PNR	Probe and Nozzle Rinse	10/23/13 1226	X	X						
VS4-STK-1FB-M29-Filt	Filter	↓	X	X						
VS4-STK-1FB-M29-NPI	Nitric/Peroxide Impingers		X	X						
VS4-STK-1FB-M29-EIR	Empty Impinger Rinse		X	X						
VS4-STK-1FB-M29-Perm	Permanganate Impinger		X	X						
VS4-STK-1FB-M29-HCIRns	HCl Rinse of Permanganate Imp		X	X						

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/20/13	1818	<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3K010423



Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project		Unit 4 CPT		Particulate Matter - Gravimetric Determination per EPA Method 5					Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL									
Project Number		40942510.20-03									
Prepared by		Kevin McGinn									
Sample ID Code	Sample Matrix	Date/Time									
VS4-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/23/13 1042	X								REC. @ AMBIENT 2 BOXES RH 11-1-13 NO CUSTODY SEALS HAND DELIVERED
VS4-STK-11A-M5-Filt	Filter	↓	X								
VS4-STK-12A-M5-PNR	Probe and Nozzle Rinse										
VS4-STK-12A-M5-Filt	Filter										
VS4-STK-13A-M5-PNR	Probe and Nozzle Rinse	10/25/13 1155	X								
VS4-STK-13A-M5-Filt	Filter	↓	X								
VS4-STK-14A-M5-PNR	Probe and Nozzle Rinse	10/25/13 1208	X								
VS4-STK-14A-M5-Filt	Filter	↓	X								
VS4-STK-1FB-M5-PNR	Probe and Nozzle Rinse	10/22/13 1208	X								
VS4-STK-1FB-M5-Filt	Filter	↓	X								
VS4-STK-1RB-M5-Ace	Acetone										
VS4-STK-1RB-M5-Filt	Filter										

Remarks: Provide results in total milligrams per sample. Raw data package required

Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505
Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3K010423



Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project Unit 4 CPT			Particulate Matter - Gravimetric Determination per EPA Method 5								Comments
Site Veolia-Sauget, IL											
Project Number 40942510.20-03											
Prepared by Kevin McEinn											
Sample ID Code	Sample Matrix	Date/Time				Hold	MS/MSD				
VS4-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/23/13 1092	X								REC. @ AMBIENT 2 BOXES RH 11-1-13 NO CUSTODY SEALS HAND DELIVERED
VS4-STK-11A-M5-Filt	Filter	↓	X								
VS4-STK-12A-M5-PNR	Probe and Nozzle Rinse										
VS4-STK-12A-M5-Filt	Filter										
VS4-STK-13A-M5-PNR	Probe and Nozzle Rinse	10/25/13 1155	X								
VS4-STK-13A-M5-Filt	Filter	↓	X								
VS4-STK-14A-M5-PNR	Probe and Nozzle Rinse	10/25/13 1208	X								
VS4-STK-14A-M5-Filt	Filter	↓	X								
VS4-STK-1FB-M5-PNR	Probe and Nozzle Rinse	10/22/13 1208	X								
VS4-STK-1FB-M5-Filt	Filter	↓	X								
VS4-STK-1RB-M5-Ace	Acetone										
VS4-STK-1RB-M5-Filt	Filter										

Remarks: Provide results in total milligrams per sample. Raw data package required

Relinquished by: <i>[Signature]</i>	Date: 10/30/13	Time: 1818	Received by: <i>[Signature]</i>	Date: 10/30/13	Time: 1818	Relinquished by: <i>[Signature]</i>	Date: 10/31/13	Time: 1505
Received by: <i>[Signature]</i>	Date: 10/31/13	Time: 1506	Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Remarks (Laboratory Only)



H3K010424

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
THO.KP.CH									
Sample ID Code	Sample Matrix	Date/Time							
VS4-HG-11B-Grab1	Mercury Spiking Soln	10/23/13 1336				X			
VS4-HG-11B-Grab2	Mercury Spiking Soln	10/23/13 1340				X			
VS4-HG-11B-Grab3	Mercury Spiking Soln	10/23/13 1515				X			
VS4-HG-11B-Grab4	Mercury Spiking Soln	10/23/13 1551		CH 10/25		X	X		
VS4-HG-12B-Grab1	Mercury Spiking Soln	10/24/13 1335				X			
VS4-HG-12B-Grab2	Mercury Spiking Soln	10/24/13 1336				X			
VS4-HG-12B-Grab3	Mercury Spiking Soln	10/24/13 1517				X			
VS4-HG-12B-Grab4	Mercury Spiking Soln	10/24/13 1547		CH 10/25		X	X		
VS4-HG-13B-Grab1	Mercury Spiking Soln	10/25/13 1336				X			
VS4-HG-13B-Grab2	Mercury Spiking Soln	10/25/13 1436				X			
VS4-HG-13B-Grab3	Mercury Spiking Soln	10/25/13 1615				X			
VS4-HG-13B-Grab4	Mercury Spiking Soln	10/25/13 1643		CH 10/25		X	X		

Hg Spiking sol'n
is ~ 22,700 ppm
Hg. (~2.27%)

REC. @ AMBIEN
NO CUSTODY SEAL
2 BOXES RA 11-1-1:
HAND DELIVERED

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/27/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/27/13	Time 1606
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks: (Laboratory Only)



173K010424

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
THO·CH·KLP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-CR-11B-Grab1	Chromium Spiking Soln	10/23/13 1236			X	CH 10/25/13			Cr spiking sol'n is ~ 18% Cr
VS4-CR-11B-Grab2	Chromium Spiking Soln	10/23/13 1340			X				
VS4-CR-11B-Grab3	Chromium Spiking Soln	10/23/13 1515			X				
VS4-CR-11B-Grab4	Chromium Spiking Soln	10/23/13 1551					X		
VS4-CR-12B-Grab1	Chromium Spiking Soln	10/24/13 1235			X				
VS4-CR-12B-Grab2	Chromium Spiking Soln	10/24/13 1336			X				
VS4-CR-12B-Grab3	Chromium Spiking Soln	10/24/13 1517			X		X KP 10-25-13		
VS4-CR-12B-Grab4	Chromium Spiking Soln	10/24/13 1547					X		
VS4-CR-13B-Grab1	Chromium Spiking Soln	10/25/13 1336			X				
VS4-CR-13B-Grab2	Chromium Spiking Soln	10/25/13 1436			X				
VS4-CR-13B-Grab3	Chromium Spiking Soln	10/25/13 1615			X				
VS4-CR-13B-Grab4	Chromium Spiking Soln	10/25/13 1643					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Conna Kelly</i>	Date 10/25/13	Time 1800	Received by: <i>MSR</i>	Date 10/25/13	Time 1800	Relinquished by: <i>MSR</i>	Date 10/30/13	Time 1818
Received by: <i>MSR</i>	Date 10/20/13	Time 1818	Relinquished by: <i>MSR</i>	Date 10/31/13	Time 1505	Received by: <i>MSR</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



H3K010424

Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
THO.KP.CH									
Sample ID Code	Sample Matrix	Date/Time							
VS4-HG-11B-Grab1	Mercury Spiking Soln	10/23/13 1236				X			Hg Spiking sol'n is ~ 22,700 ppm Hg. (~2.27%)
VS4-HG-11B-Grab2	Mercury Spiking Soln	10/23/13 1340				X			
VS4-HG-11B-Grab3	Mercury Spiking Soln	10/23/13 1515				X			
VS4-HG-11B-Grab4	Mercury Spiking Soln	10/23/13 1551		CH 10/25		X	X		
VS4-HG-12B-Grab1	Mercury Spiking Soln	10/24/13 1335				X		REC. @ AMBIENT NO CUSTODY SEAL 2 BOXES RH 11-1-13 HAND DELIVERED	
VS4-HG-12B-Grab2	Mercury Spiking Soln	10/24/13 1336				X			
VS4-HG-12B-Grab3	Mercury Spiking Soln	10/24/13 1517				X			
VS4-HG-12B-Grab4	Mercury Spiking Soln	10/24/13 1547		CH 10/25		X	X		
VS4-HG-13B-Grab1	Mercury Spiking Soln	10/25/13 1336				X			
VS4-HG-13B-Grab2	Mercury Spiking Soln	10/25/13 1436				X			
VS4-HG-13B-Grab3	Mercury Spiking Soln	10/25/13 1615				X			
VS4-HG-13B-Grab4	Mercury Spiking Soln	10/25/13 1643		CH 10/25		X	X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/25/13	1800	<i>[Signature]</i>	10/25/13	1800	<i>[Signature]</i>	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/21/13	1505	<i>[Signature]</i>	10/21/13	1606
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



1-73K010424

Chain of Custody Record

Page 1 of 1

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
THO-CH-KLP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-CR-11B-Grab1	Chromium Spiking Soln	10/23/13 1236			X	CH 10/25/13			Cr spiking sol'n is ~ 18% Cr
VS4-CR-11B-Grab2	Chromium Spiking Soln	10/23/13 1340			X				
VS4-CR-11B-Grab3	Chromium Spiking Soln	10/23/13 1515			X				
VS4-CR-11B-Grab4	Chromium Spiking Soln	10/23/13 1551					X		
VS4-CR-12B-Grab1	Chromium Spiking Soln	10/24/13 1235			X				
VS4-CR-12B-Grab2	Chromium Spiking Soln	10/24/13 1336			X				
VS4-CR-12B-Grab3	Chromium Spiking Soln	10/24/13 1517			X		X KP 10-25-13		
VS4-CR-12B-Grab4	Chromium Spiking Soln	10/24/13 1547					X		
VS4-CR-13B-Grab1	Chromium Spiking Soln	10/25/13 1336			X				
VS4-CR-13B-Grab2	Chromium Spiking Soln	10/25/13 1436			X				
VS4-CR-13B-Grab3	Chromium Spiking Soln	10/25/13 1615			X				
VS4-CR-13B-Grab4	Chromium Spiking Soln	10/25/13 1643					X		

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Comm Kellid</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>MSP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MSP</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H31020901



Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project		Unit 4 CPT		Chloride by Ion Chromatography, per EPA Method 26A					Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL									
Project Number		40942510.20-03									
Prepared by		Kevin McGinn									
Sample ID Code	Sample Matrix	Date/Time									
VS4-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/23/13 1336	X								HAND DELIVERED NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP S/O 11-1-13
VS4-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃	
VS4-STK-12B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/24/13 1335	X								
VS4-STK-12B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃	
VS4-STK-13B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/25/13 1435	X								
VS4-STK-13B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃	
VS4-STK-14B-M26A-AcdImp	Sulfuric Acid Impinger Catch										
VS4-STK-14B-M26A-AlkImp	Sodium Hydroxide Impinger Catch									Laboratory to add Na₂S₂O₃	
VS4-STK-1FB-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/22/13 1109	X								
VS4-STK-1FB-M26A-AlkImp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃	
VS4-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution										
VS4-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution									Laboratory to add Na₂S₂O₃	
VS4-STK-1RB-M26A-Water	Water										

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1318	<i>[Signature]</i>	10/30/13	1018	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)

H3K020901



Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project		Unit 4 CPT		Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
Site		Veolia-Sauget, IL								
Project Number		40942510.20-03								
Prepared by		Kevin McGinn								
Sample ID Code	Sample Matrix	Date/Time								
VS4-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/23/13 1336	X							
VS4-STK-11B-M26A-AIklmp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS4-STK-12B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/24/13 1335	X							
VS4-STK-12B-M26A-AIklmp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS4-STK-13B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/25/13 1435	X							
VS4-STK-13B-M26A-AIklmp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS4-STK-14B-M26A-AcdImp	Sulfuric Acid Impinger Catch									
VS4-STK-14B-M26A-AIklmp	Sodium Hydroxide Impinger Catch									Laboratory to add Na₂S₂O₃
VS4-STK-1FB-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/22/13 1109	X							
VS4-STK-1FB-M26A-AIklmp	Sodium Hydroxide Impinger Catch	↓	X							Laboratory to add Na ₂ S ₂ O ₃
VS4-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution									
VS4-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution									Laboratory to add Na₂S₂O₃
VS4-STK-1RB-M26A-Water	Water									

Remarks: Provide results in total micrograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1318	<i>[Signature]</i>	10/30/13	1018	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
KP - MP - CH									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LWF-11A-Comp1	Liquid Waste Feed	10/23/13 1032	X						
VS4-LWF-11B-Comp2A	Liquid Waste Feed	10/23/13 1338	X						
VS4-LWF-11B-Comp2B	Liquid Waste Feed	10/23/13 1508	X	X					WAS DELIVERED
VS4-LWF-11B-Comp2C	Liquid Waste Feed	10/23/13 1538	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS4-LWF-12A-Comp1	Liquid Waste Feed	10/24/13 1037	X						BKO 11-1-13
VS4-LWF-12B-Comp2A	Liquid Waste Feed	10/24/13 1335	X						
VS4-LWF-12B-Comp2B	Liquid Waste Feed	10/24/13 1507	X	X					
VS4-LWF-12B-Comp2C	Liquid Waste Feed	10/24/13 1537	X						
VS4-LWF-13A-Comp1	Liquid Waste Feed	10/25/13 1037	X						
VS4-LWF-13B-Comp2A	Liquid Waste Feed	10/25/13 1435	X						
VS4-LWF-13B-Comp2B	Liquid Waste Feed	10/25/13 1607	X	X					
VS4-LWF-13B-Comp2C	Liquid Waste Feed	10/25/13 1637	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1800	<i>[Signature]</i>	10/25/13	1800	<i>[Signature]</i>	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505	<i>[Signature]</i>	10/21/13	1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
by									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LWF-14A-Comp1	Liquid Waste Feed	10-25-13 1152	X						
VS4-LWF-14B-Comp2A	Liquid Waste Feed								
VS4-LWF-14B-Comp2B	Liquid Waste Feed								
VS4-LWF-14B-Comp2C	Liquid Waste Feed								
VS4-LWF-12B-Comp2B-DWP	Liquid Waste Feed	10/24/13 1507	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Walsh</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1800
Received by: <i>MSP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
KP - MP - CH									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LWF-11A-Comp1	Liquid Waste Feed	10/23/13 1032	X						
VS4-LWF-11B-Comp2A	Liquid Waste Feed	10/23/13 1338	X						
VS4-LWF-11B-Comp2B	Liquid Waste Feed	10/23/13 1508	X	X					HAND DELIVERED
VS4-LWF-11B-Comp2C	Liquid Waste Feed	10/23/13 1538	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP BKO 11-1-13
VS4-LWF-12A-Comp1	Liquid Waste Feed	10/24/13 1037	X						
VS4-LWF-12B-Comp2A	Liquid Waste Feed	10/24/13 1335	X						
VS4-LWF-12B-Comp2B	Liquid Waste Feed	10/24/13 1507	X	X					
VS4-LWF-12B-Comp2C	Liquid Waste Feed	10/24/13 1537	X						
VS4-LWF-13A-Comp1	Liquid Waste Feed	10/25/13 1037	X						
VS4-LWF-13B-Comp2A	Liquid Waste Feed	10/25/13 1435	X						
VS4-LWF-13B-Comp2B	Liquid Waste Feed	10/25/13 1607	X	X					
VS4-LWF-13B-Comp2C	Liquid Waste Feed	10/25/13 1637	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/23/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/21/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LWF-14A-Comp1	Liquid Waste Feed	10-25-13 1152	X						
VS4-LWF-14B-Comp2A	Liquid Waste Feed								
VS4-LWF-14B-Comp2B	Liquid Waste Feed								
VS4-LWF-14B-Comp2C	Liquid Waste Feed								
VS4-LWF-12B-Comp2B-DWP	Liquid Waste Feed	10/24/13 1507	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor White</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1800
Received by: <i>MSP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.20-03									
Prepared by									
KP-CH-MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-HBW-11A-Comp1	High Btu Liquid Waste	10-23-13 1031	X						
VS4-HBW-11B-Comp2A	High Btu Liquid Waste	10-23-13 1337	X						
VS4-HBW-11B-Comp2B	High Btu Liquid Waste	10-23-13 1507	X	X					
VS4-HBW-11B-Comp2C	High Btu Liquid Waste	10-23-13 1537	X						
VS4-HBW-12A-Comp1	High Btu Liquid Waste	10-24-13 1036	X						HAND DELIVERED NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS4-HBW-12B-Comp2A	High Btu Liquid Waste	10-24-13 1335	X						GRD 11-1-13
VS4-HBW-12B-Comp2B	High Btu Liquid Waste	10-24-13 1506	X	X					
VS4-HBW-12B-Comp2C	High Btu Liquid Waste	10-24-13 1536	X						
VS4-HBW-13A-Comp1	High Btu Liquid Waste	10/25/13 1036	X						
VS4-HBW-13B-Comp2A	High Btu Liquid Waste	10/25/13 1435	X						
VS4-HBW-13B-Comp2B	High Btu Liquid Waste	10/25/13 1606	X	X					
VS4-HBW-13B-Comp2C	High Btu Liquid Waste	10/25/13 1636	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Hillis</i>	Date 10/25/13	Time 1800	Received by: <i>MP</i>	Date 10/25/13	Time 1800	Relinquished by: <i>MP</i>	Date 10/30/13	Time 1818
Received by: <i>MP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MP</i>	Date 10/31/13	Time 1505	Received by: <i>Ken Liu</i>	Date 10/31/13	Time 1508
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.20-03									
Prepared by									
by									
Sample ID Code	Sample Matrix	Date/Time							
VS4-HBW-14A-Comp1	High Btu Liquid Waste	10/25/13 1151	X						
VS4-HBW-14B-Comp2A	High Btu Liquid Waste								
VS4-HBW-14B-Comp2B	High Btu Liquid Waste								
VS4-HBW-14B-Comp2C	High Btu Liquid Waste								
✓ VS4-HBW-12B-Comp2B-DUP	High Btu Liquid Waste	10/24/13 1506	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Kellard</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>MSR</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MSR</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.20-03									
Prepared by									
KP-CH-MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-HBW-11A-Comp1	High Btu Liquid Waste	10-23-13 1031	X						
VS4-HBW-11B-Comp2A	High Btu Liquid Waste	10-23-13 1337	X						
VS4-HBW-11B-Comp2B	High Btu Liquid Waste	10-23-13 1507	X	X					
VS4-HBW-11B-Comp2C	High Btu Liquid Waste	10-23-13 1537	X						
VS4-HBW-12A-Comp1	High Btu Liquid Waste	10-24-13 1036	X						HAND DELIVERED NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP GRD 11-1-13
VS4-HBW-12B-Comp2A	High Btu Liquid Waste	10-24-13 1335	X						
VS4-HBW-12B-Comp2B	High Btu Liquid Waste	10-24-13 1506	X	X					
VS4-HBW-12B-Comp2C	High Btu Liquid Waste	10-24-13 1536	X						
VS4-HBW-13A-Comp1	High Btu Liquid Waste	10/25/13 1036	X						
VS4-HBW-13B-Comp2A	High Btu Liquid Waste	10/25/13 1435	X						
VS4-HBW-13B-Comp2B	High Btu Liquid Waste	10/25/13 1606	X	X					
VS4-HBW-13B-Comp2C	High Btu Liquid Waste	10/25/13 1636	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Conner Wells</i>	Date 10/25/13	Time 1800	Received by: <i>MP</i>	Date 10/25/13	Time 1800	Relinquished by: <i>MP</i>	Date 10/30/13	Time 1818
Received by: <i>MP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MP</i>	Date 10/31/13	Time 1505	Received by: <i>Ken Lu</i>	Date 10/20/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942525.20-03									
Prepared by									
by									
Sample ID Code	Sample Matrix	Date/Time							
VS4-HBW-14A-Comp1	High Btu Liquid Waste	10/25/13 1151	X						
VS4-HBW-14B-Comp2A	High Btu Liquid Waste								
VS4-HBW-14B-Comp2B	High Btu Liquid Waste								
VS4-HBW-14B-Comp2C	High Btu Liquid Waste								
✓ VS4-HBW-12B-Comp2B-DUP	High Btu Liquid Waste	10/24/13 1506	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Kellard</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>MSR</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MSR</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

43K020404

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MSMSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942525.20-03									
Prepared by CFH, KLP, MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LBW-11A-Comp1	Low Btu Liquid Waste	10/23/13 1030	X						
VS4-LBW-11B-Comp2A	Low Btu Liquid Waste	10/23/13 1336	X						
VS4-LBW-11B-Comp2B	Low Btu Liquid Waste	10/23/13 1506	X	X					
VS4-LBW-11B-Comp2C	Low Btu Liquid Waste	10/23/13 1536	X						
VS4-LBW-12A-Comp1	Low Btu Liquid Waste	10/24/13 1035	X						HAND DELIVERED NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS4-LBW-12B-Comp2A	Low Btu Liquid Waste	10/24/13 1335	X						D/D 11-1-13
VS4-LBW-12B-Comp2B	Low Btu Liquid Waste	10/24/13 1505	X	X					
VS4-LBW-12B-Comp2C	Low Btu Liquid Waste	10/24/13 1535	X						
VS4-LBW-13A-Comp1	Low Btu Liquid Waste	10/25/13 1035	X						
VS4-LBW-13B-Comp2A	Low Btu Liquid Waste	10/25/13 1435	X						
VS4-LBW-13B-Comp2B	Low Btu Liquid Waste	10/25/13 1605	X	X					
VS4-LBW-13B-Comp2C	Low Btu Liquid Waste	10/25/13 1635	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Conrad Kellard</i>	Date 10/25/13	Time 1800	Received by: <i>Ku</i>	Date 10/25/13	Time 1800	Relinquished by: <i>Ku</i>	Date 10/30/13	Time 1818
Received by: <i>MSP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MSP</i>	Date 10/31/13	Time 1505	Received by: <i>Ku</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project			Composition Analyses	Metals	Chromium	Mercury	Hold	MSMSD	Comments
Unit 4 CPT									
Site Veolia-Sauget, IL									
Project Number 40942525.20-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LBW-14A-Comp1	Low Btu Liquid Waste	10/25/13 1150	X						
VS4-LBW-14B-Comp2A	Low Btu Liquid Waste								
VS4-LBW-14B-Comp2B	Low Btu Liquid Waste								
VS4-LBW-14B-Comp2C	Low Btu Liquid Waste								
VS4-LBW-12B-Comp2B-DUP	Low Btu Liquid Waste	10/24/13 1505	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Helled</i>	Date 10/29/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks: (Laboratory Only)

H3KD10402



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project			PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
Unit 4 CPT									
Site									
Veolia-Sauget, IL									
Project Number									
40942510.20-03									
Prepared by									
Kevin McBurn									
Sample ID Code	Sample Matrix	Date/Time							
VS4-STK-11B-M0023A-PNR	Probe and Nozzle Rinse	10/23/13 1550	X						
VS4-STK-11B-M0023A-Filt	Filter	↓	X						
VS4-STK-11B-M0023A-CR	Condenser Rinse		X						
VS4-STK-11B-M0023A-XAD	XAD Sorbent Cartridge	↓	X						
VS4-STK-12B-M0023A-PNR	Probe and Nozzle Rinse	10/24/13 1545	X				2000413		HAND DELIVERED NO CUSTODY SEALS RECEIVED AT O.H, P.S.'s SKD 11-1-13
VS4-STK-12B-M0023A-Filt	Filter	↓	X						
VS4-STK-12B-M0023A-CR	Condenser Rinse		X						
VS4-STK-12B-M0023A-XAD	XAD Sorbent Cartridge	↓	X						
VS4-STK-13B-M0023A-PNR	Probe and Nozzle Rinse	10/25/13 1641	X						
VS4-STK-13B-M0023A-Filt	Filter	↓	X						
VS4-STK-13B-M0023A-CR	Condenser Rinse		X						
VS4-STK-13B-M0023A-XAD	XAD Sorbent Cartridge	↓	X						

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
	10/31/13	1818		10/30/13	1818		10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
	10/27/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3K010402



Chain of Custody Record

Samples from SW0023A Sampling Trains

Project Unit 4 CPT			PCDD/PCDF by HRCMS (SW-846 Method 8290)								
Site Veolia-Sauget, IL											
Project Number 40942510.20-03											
Prepared by <i>Kevin McBurn</i>											
Sample ID Code	Sample Matrix	Date/Time					Hold	MSMSD	Comments		
VS4-STK-1FB-M0023A-PNR	Probe and Nozzle Rinse	10/22/13 1146	X								
VS4-STK-1FB-M0023A-Filt	Filter	↓	X								
VS4-STK-1FB-M0023A-CR	Condenser Rinse	↓	X								
VS4-STK-1FB-M0023A-XAD	XAD Sorbent Cartridge	↓	X								
VS4-STK-1RB-M0023A-Filt	Filter										
VS4-STK-1RB-M0023A-XAD	XAD Sorbent Cartridge										
VS4-STK-1RB-M0023A-Ace	Acetone										
VS4-STK-1RB-M0023A-MeCl	Methylene Chloride										
VS4-STK-1RB-M0023A-Tol	Toluene										

Remarks: Provide results in total nanograms per sample. Raw data package required

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
<i>[Signature]</i>	10/30/13	1812	<i>[Signature]</i>	10/30/13	1818	<i>[Signature]</i>	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

H3K020404

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942525.20-03									
Prepared by CFH, KLP, MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LBW-11A-Comp1 ✓	Low Btu Liquid Waste	10/23/13 1030	X						
VS4-LBW-11B-Comp2A ✓	Low Btu Liquid Waste	10/23/13 1336	X						
VS4-LBW-11B-Comp2B ✓	Low Btu Liquid Waste	10/23/13 1506	X	X					
VS4-LBW-11B-Comp2C ✓	Low Btu Liquid Waste	10/23/13 1536	X						
VS4-LBW-12A-Comp1 ✓	Low Btu Liquid Waste	10/24/13 1035	X						HAND DELIVERED NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS4-LBW-12B-Comp2A ✓	Low Btu Liquid Waste	10/24/13 1335	X						DISD 11-1-13
VS4-LBW-12B-Comp2B ✓	Low Btu Liquid Waste	10/24/13 1505	X	X					
VS4-LBW-12B-Comp2C ✓	Low Btu Liquid Waste	10/24/13 1535	X						
VS4-LBW-13A-Comp1 ✓	Low Btu Liquid Waste	10/25/13 1035	X						
VS4-LBW-13B-Comp2A ✓	Low Btu Liquid Waste	10/25/13 1435	X						
VS4-LBW-13B-Comp2B ✓	Low Btu Liquid Waste	10/25/13 1605	X	X					
VS4-LBW-13B-Comp2C ✓	Low Btu Liquid Waste	10/25/13 1635	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Comin Kellid</i>	Date 10/25/13	Time 1800	Received by: <i>MP</i>	Date 10/25/13	Time 1800	Relinquished by: <i>MP</i>	Date 10/30/13	Time 1818
Received by: <i>MP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MP</i>	Date 10/31/13	Time 1505	Received by: <i>Ku Un</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Held	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942525.20-03									
Prepared by									
Sample ID Code	Sample Matrix	Date/Time							
VS4-LBW-14A-Comp1	Low Btu Liquid Waste	10/25/13 1150	X						
VS4-LBW-14B-Comp2A	Low Btu Liquid Waste								
VS4-LBW-14B-Comp2B	Low Btu Liquid Waste								
VS4-LBW-14B-Comp2C	Low Btu Liquid Waste								
VS4-LBW-12B-Comp2B-DUP	Low Btu Liquid Waste	10/24/13 1505	X	X					

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Helled</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/28/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3K020405



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by CH-KLP-MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-CS-11A-Comp1 ✓	Containerized Solids	10-23-2013 1030	X						
VS4-CS-11B-Comp2A ✓	Containerized Solids	10-23-2013 1336	X						
VS4-CS-11B-Comp2B ✓	Containerized Solids	10-23-13 1506	X	X					HAND DELIVERED
VS4-CS-11B-Comp2C ✓	Containerized Solids	10-23-2013 1536	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS4-CS-12A-Comp1 ✓	Containerized Solids	10-24-2013 1035	X						11-1-13
VS4-CS-12B-Comp2A ✓	Containerized Solids	10/24/13 1335	X						
VS4-CS-12B-Comp2B ✓	Containerized Solids	10/24/13 1505	X	X					
VS4-CS-12B-Comp2C ✓	Containerized Solids	10/24/13 1535	X						
VS4-CS-13A-Comp1 ✓	Containerized Solids	10/25/13 1035	X						
VS4-CS-13B-Comp2A ✓	Containerized Solids	10/25/13 1435	X						
VS4-CS-13B-Comp2B ✓	Containerized Solids	10/25/13 1605	X	X					
VS4-CS-13B-Comp2C ✓	Containerized Solids	10/25/13 1635	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date: 10/25/13	Time: 1800	Received by: <i>[Signature]</i>	Date: 10/25/13	Time: 1800	Relinquished by: <i>[Signature]</i>	Date: 10/30/13	Time: 1818
Received by: <i>[Signature]</i>	Date: 10/30/13	Time: 1818	Relinquished by: <i>[Signature]</i>	Date: 10/31/13	Time: 1505	Received by: <i>[Signature]</i>	Date: 10/31/13	Time: 1506
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Remarks (Laboratory Only)

H3K020405



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by KCP-CCT-THD									
Sample ID Code	Sample Matrix	Date/Time							
VS4-CS-14A-Comp1	Containerized Solids	10-25-13 1150	X						
VS4-CS-14B-Comp2A	Containerized Solids								
VS4-CS-14B-Comp2B	Containerized Solids								
VS4-CS-14B-Comp2C	Containerized Solids								

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)

H3K020405



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Held	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by CH-KLP-MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-CS-11A-Comp1 ✓	Containerized Solids	10-23-2013 1030	X						
VS4-CS-11B-Comp2A ✓	Containerized Solids	10-23-2013 1336	X						
VS4-CS-11B-Comp2B ✓	Containerized Solids	10-23-13 1506	X	X					HAND DELIVERED
VS4-CS-11B-Comp2C ✓	Containerized Solids	10-23-2013 1536	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP M/A 11-1-13
VS4-CS-12A-Comp1 ✓	Containerized Solids	10-24-2013 1035	X						
VS4-CS-12B-Comp2A ✓	Containerized Solids	10/24/13 1335	X						
VS4-CS-12B-Comp2B ✓	Containerized Solids	10/24/13 1505	X	X					
VS4-CS-12B-Comp2C ✓	Containerized Solids	10/24/13 1535	X						
VS4-CS-13A-Comp1 ✓	Containerized Solids	10/25/13 1035	X						
VS4-CS-13B-Comp2A ✓	Containerized Solids	10/25/13 1435	X						
VS4-CS-13B-Comp2B ✓	Containerized Solids	10/25/13 1605	X	X					
VS4-CS-13B-Comp2C ✓	Containerized Solids	10/25/13 1635	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/31/13	Time 1506
Relinquished by:	Date:	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by KCP-CH-THD									
Sample ID Code	Sample Matrix	Date/Time							
VS4-CS-14A-Comp1	Containerized Solids	10-25-13 1150	X						
VS4-CS-14B-Comp2A	Containerized Solids								
VS4-CS-14B-Comp2B	Containerized Solids								
VS4-CS-14B-Comp2C	Containerized Solids								

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Received by: <i>[Signature]</i>	Date 10/25/13	Time 1800	Relinquished by: <i>[Signature]</i>	Date 10/30/13	Time 1818
Received by: <i>[Signature]</i>	Date 10/30/13	Time 1818	Relinquished by: <i>[Signature]</i>	Date 10/31/13	Time 1505	Received by: <i>[Signature]</i>	Date 10/21/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by CH-KLP-MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-BS-11A-Comp1	Bulk Solids	10/23/13 1031	X						
VS4-BS-11B-Comp2A	Bulk Solids	10/23/13 1337	X						
VS4-BS-11B-Comp2B	Bulk Solids	10/13/13 1507	X	X					
VS4-BS-11B-Comp2C	Bulk Solids	10/13/13 1537	X						HAND DELIVERED
VS4-BS-12A-Comp1	Bulk Solids	10/24/13 1036	X						NO CUSTODY SEALS
VS4-BS-12B-Comp2A	Bulk Solids	10/24/13 1335	X						RECEIVED AT AMBIENT TEMP OND 11-1-13
VS4-BS-12B-Comp2B	Bulk Solids	10/24/13 1506	X	X					
VS4-BS-12B-Comp2C	Bulk Solids	10/24/13 1536	X						
VS4-BS-13A-Comp1	Bulk Solids	10/25/13 1036	X						
VS4-BS-13B-Comp2A	Bulk Solids	10/25/13 1435	X						
VS4-BS-13B-Comp2B	Bulk Solids	10/25/13 1606	X	X					
VS4-BS-13B-Comp2C	Bulk Solids	10/25/13 1696	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Hedrick</i>	Date 10/25/13	Time 1800	Received by: <i>Ali</i>	Date 10/25/13	Time 1800	Relinquished by: <i>Ali</i>	Date 10/30/13	Time 1922
Received by: <i>Max P</i>	Date 10/30/13	Time 1818	Relinquished by: <i>Max P</i>	Date 10/31/13	Time 1505	Received by: <i>Max P</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

A315020406

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by KLP-THD - CH									
Sample ID Code	Sample Matrix	Date/Time							
VS4-BS-14A-Comp1	Bulk Solids	10-25-13 1151	X						
VS4-BS-14B-Comp2A	Bulk Solids								
VS4-BS-14B-Comp2B	Bulk Solids								
VS4-BS-14B-Comp2C	Bulk Solids								

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Carman Helled</i>	Date 10/25/13	Time 1800	Received by: <i>KLP</i>	Date 10/25/13	Time 1800	Relinquished by: <i>KLP</i>	Date 10/30/13	Time 1818
Received by: <i>MSP</i>	Date 10/30/13	Time 1818	Relinquished by: <i>MSP</i>	Date 10/31/13	Time 1505	Received by: <i>KLP</i>	Date 10/31/13	Time 1506
Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time

Remarks (Laboratory Only)



Chain of Custody Record

Waste Feed Samples

Project Unit 4 CPT			Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
Site Veolia-Sauget, IL									
Project Number 40942510.20-03									
Prepared by CH-KLP-MP									
Sample ID Code	Sample Matrix	Date/Time							
VS4-BS-11A-Comp1	Bulk Solids	10/23/13 1031	X						
VS4-BS-11B-Comp2A	Bulk Solids	10/23/13 1337	X						
VS4-BS-11B-Comp2B	Bulk Solids	10/13/13 1507	X	X					
VS4-BS-11B-Comp2C	Bulk Solids	10/13/13 1537	X						HAND DELIVERED
VS4-BS-12A-Comp1	Bulk Solids	10/24/13 1036	X						NO CUSTODY SEALS
VS4-BS-12B-Comp2A	Bulk Solids	10/24/13 1335	X						RECEIVED AT AMBIENT TEMP OCT 11-1-13
VS4-BS-12B-Comp2B	Bulk Solids	10/24/13 1506	X	X					
VS4-BS-12B-Comp2C	Bulk Solids	10/24/13 1536	X						
VS4-BS-13A-Comp1	Bulk Solids	10/25/13 1036	X						
VS4-BS-13B-Comp2A	Bulk Solids	10/25/13 1435	X						
VS4-BS-13B-Comp2B	Bulk Solids	10/25/13 1606	X	X					
VS4-BS-13B-Comp2C	Bulk Solids	10/25/13 1696	X						

Remarks: Composition Analysis includes Moisture, Ash, Total Chlorine, Heating Value, plus Density and Viscosity on Liquid Waste Only. Metals include As, Be, Cd, Cr, Pb, and Hg. Raw data package required.

Relinquished by: <i>Connor Hedrick</i>	Date: 10/25/13	Time: 1800	Received by: <i>ML</i>	Date: 10/25/13	Time: 1800	Relinquished by: <i>ML</i>	Date: 10/30/13	Time: 1812
Received by: <i>ML</i>	Date: 10/30/13	Time: 1818	Relinquished by: <i>ML</i>	Date: 10/31/13	Time: 1505	Received by: <i>ML</i>	Date: 10/31/13	Time: 1506
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Received by:	Date:	Time:	Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Remarks (Laboratory Only)



DAILY RECORD OF EVENTS

DATE:	10/10/13	PAGE:	1	OF:	
NAME:	Kate Pritchard (KUP)	Teresa Davis (THD)			
TO (FILE/FM):	Mike Fuchs.	Cameron Holland (CH)			
PROJECT #:	40942525				

CLIENT: Veolia SITE: Sawgat, IL

SUBJECT: Waste Sampling.

0745 CH/KUP/THD depart hotel for site. Weather sunny, high near 80°F.

0755 Arrive on-site and check-in. Hold Tailgate HHS Meeting.

All begin to gear-up for daily sampling activities.
THD calibrates scale.

0915 Begin Test RUN 3A. Condition 1 - unit ~~2~~ a

1023 stop Test - RUN 3A. Begin prep for Run 3B.

1230 Begin Test RUN 3B.

Spikes collected @ 1230. Veolia ID #'s = Hg # 275 Hg Split # 206 Pb # L-762
Chlorine # H-667

Chromium sample spike + split collected.

1340 Collect Spike in middle of part change

Veolia #'s Pb = L-745 Hg = 233 Hg split = 230 Chlorine = H-870

1510 Collect Spike Sample at completion of metals test

Veolia #'s Pb = L-569 Hg = 163 Hg split = 158 Chlorine = H-809

1540 Collect Archive Spike samples.

Veolia # Pb = L-581 Hg = 853 Chlorine = H-808

Test Complete. Begin Prep for split samples to state. IEPA.

* VS2-CS-13B COMP 2C - split afternoon soils - 482g removed from ^{URS} solids comp

* VS2-CS-13A COMP 1 - split to IEPA - wt. removed from URS split = 543g.

* liquid splits include:

MORNING COMPS

AFTERNOON COMPS

~~VS2-CS-13A COMP 1~~ VS2-LWF-13A-COMP 1

VS2-LWF-13A-COMP 2C

All *500ml removed VS2-LBU-13A-COMP 1

VS2-LBU-13A-COMP 2C

from URS Comp. Sample. VS2-HBU-13A-COMP 1

VS2-HBU-13A-COMP 2C

* All spikes split to state IEPA. Hg, Cr, Chlorine, Pb. (Morning - Begin - middle-end)

1645 state off-site, begin site clean-up.

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Balance ID 5486

Calibration Checked by	Initials	<u>TJD</u>
	Date	<u>10/10/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		<u>20.08</u>		
	50		<u>50.19</u>		
	100		<u>99.98</u>		
	200		<u>199.94</u>		
	500		<u>500.23</u>		
	1000		<u>1000.8</u>		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

*CDS-08B: Field Balance Calibration
 Per EM SOP-010
 Revision Date: March 2012
 Reviewed: July 2013*

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-13A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	3A	10/10/13	1016		~2300mL	Start time 0915
VS2-LBW-13A-Grab 1	Low Btu Liquid Waste	Archive	1	3A		0916		500mL	
VS2-LBW-13A-Grab 2	Low Btu Liquid Waste	Archive	1	3A		0931		"	
VS2-LBW-13A-Grab 3	Low Btu Liquid Waste	Archive	1	3A		0946		"	
VS2-LBW-13A-Grab 4	Low Btu Liquid Waste	Archive	1	3A		1000		"	
VS2-LBW-13A-Grab 5	Low Btu Liquid Waste	Archive	1	3A		1016		"	STOP TIME: 1023
VS2-LBW-13A-Grab 6	Low Btu Liquid Waste	Archive	1	3A					
VS2-LBW-13A-Grab 7	Low Btu Liquid Waste	Archive	1	3A					
VS2-LBW-13A-Grab 8	Low Btu Liquid Waste	Archive	1	3A					
VS2-LBW-13B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	3B	10/10/13	1331		~2500mL	START TIME - 1230
VS2-LBW-13B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	3B		1500		~2750mL	
VS2-LBW-13B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	3B	10/10/13	1530		3250mL	
VS2-LBW-13B-Grab 1	Low Btu Liquid Waste	Archive	1	3B		1231		500mL	
VS2-LBW-13B-Grab 2	Low Btu Liquid Waste	Archive	1	3B		1247		"	
VS2-LBW-13B-Grab 3	Low Btu Liquid Waste	Archive	1	3B		1300		"	
VS2-LBW-13B-Grab 4	Low Btu Liquid Waste	Archive	1	3B		1316		500mL	
VS2-LBW-13B-Grab 5	Low Btu Liquid Waste	Archive	1	3B		1331		500mL	End Test @ 1330
VS2-LBW-13B-Grab 6	Low Btu Liquid Waste	Archive	1	3B		1347		"	
VS2-LBW-13B-Grab 7	Low Btu Liquid Waste	Archive	1	3B		1400		"	
VS2-LBW-13B-Grab 8	Low Btu Liquid Waste	Archive	1	3B		1416		Sample	Metals start @ 1410
VS2-LBW-13B-Grab 9	Low Btu Liquid Waste	Archive	1	3B		1431		"	
VS2-LBW-13B-Grab 10	Low Btu Liquid Waste	Archive	1	3B		1446		"	
VS2-LBW-13B-Grab 11	Low Btu Liquid Waste	Archive	1	3B		1500		500mL	Metals test complete @ 1500
VS2-LBW-13B-Grab 12	Low Btu Liquid Waste	Archive	1	3B		1516		"	
VS2-LBW-13B-Grab 13	Low Btu Liquid Waste	Archive	1	3B		1530		500mL	Test complete @ 1540
VS2-LBW-13B-Grab 14	Low Btu Liquid Waste	Archive	1	3B					

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-13A-COMP 1
 Operator ML/THO/CH

Date 10/10/2013
 Condition No. 1
 Run No. 3A
 Start Time 0915
 Stop Time 1023

Sample Number	Time	Volume/Mass (ML)
1	0916	~400ml
2	0931	500
3	0946	500
4	1000	400
5	1016	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-1 ~~3B~~-COMP 2C
 Operator KLP

Date 10/10/2013
 Condition No. 1
 Run No. 3B
 Start Time 1230
 Stop Time ~~1530~~ 1540

Sample Number	Time	Volume/Mass (mL)
1	1231	250
2	1247	250
3	1300	250
4	1316	250
5	1331	250
6	1347	250
7	1350 1400	250
8	1416	250
9	1431	250
10	1446	250
11	1500	250
12	1516	250
13	1530	250
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-13B-COMP 2B
 Operator KLP

Date 10/10/2013
 Condition No. 1
 Run No. 3B
 Start Time 1230
 Stop Time 1510

(ml)

Sample Number	Time	Volume/Mass
1	1231	250
2	1247	250
3	1300	250
4	1316	250
5	1331	250
6	1347	250
7	1400 ¹⁴⁰⁰	250
8	1416	250
9	1431	250
10	1446	250
11	1500	250
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL Date 10/10/2013
 Project Number 40942525.30-02 Condition No. 1
 Facility Unit 2 Run No. 3B
 Stream Name Low Btu Liquid Waste Start Time 1230
 Sample Point VS2-LBW-1 ~~3B~~-COMP ~~2B-DUPLICATE~~ Stop Time 1510
 Operator KLP

(ml)

Sample Number	Time	Volume/Mass
1	1231	250
2	1247	250
3	1300	250
4	1316	250
5	1331	250
6	1347	250
7	1400 ¹⁴⁰⁰	250
8	1416	250
9	1431	250
10	1446	250
11	1500	250
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-1 ~~3B~~ COMP ~~2A~~
 Operator KLP

Date 10/10/2013
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1330

Sample Number	Time	Volume/Mass ^(ml)
1	1231	500
2	1247	500
3	1300	500
4	1316	500
5	1331	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-13A-Comp1	High Btu Liquid Waste	Phys/Comp	1	3A	10/10/13	1015		2500mL	Start time: 0915
VS2-HBW-13A-Grab 1	High Btu Liquid Waste	Archive	1	3A		0915		500mL	
VS2-HBW-13A-Grab 2	High Btu Liquid Waste	Archive	1	3A		0930		"	
VS2-HBW-13A-Grab 3	High Btu Liquid Waste	Archive	1	3A		0945		"	
VS2-HBW-13A-Grab 4	High Btu Liquid Waste	Archive	1	3A		1000		"	
VS2-HBW-13A-Grab 5	High Btu Liquid Waste	Archive	1	3A		1015		"	Stop Time - 1023
VS2-HBW-13A-Grab 6	High Btu Liquid Waste	Archive	1	3A					
VS2-HBW-13A-Grab 7	High Btu Liquid Waste	Archive	1	3A					
VS2-HBW-13A-Grab 8	High Btu Liquid Waste	Archive	1	3A					
VS2-HBW-13B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	3B	10/10/13	1230		2500mL	Start Time - 1230
VS2-HBW-13B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	3B		1515		3000mL	
VS2-HBW-13B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	3B		1530		3250mL	
VS2-HBW-13B-Grab 1	High Btu Liquid Waste	Archive	1	3B	10/10/13	1230		500mL	
VS2-HBW-13B-Grab 2	High Btu Liquid Waste	Archive	1	3B		1245		500mL	
VS2-HBW-13B-Grab 3	High Btu Liquid Waste	Archive	1	3B		1300		1L	
VS2-HBW-13B-Grab 4	High Btu Liquid Waste	Archive	1	3B		1315		"	
VS2-HBW-13B-Grab 5	High Btu Liquid Waste	Archive	1	3B		1330		500 mL	Test Stop time - 1330
VS2-HBW-13B-Grab 6	High Btu Liquid Waste	Archive	1	3B		1345		"	
VS2-HBW-13B-Grab 7	High Btu Liquid Waste	Archive	1	3B		1400		"	
VS2-HBW-13B-Grab 8	High Btu Liquid Waste	Archive	1	3B		1415 1415		500mL	
VS2-HBW-13B-Grab 9	High Btu Liquid Waste	Archive	1	3B		1430		"	
VS2-HBW-13B-Grab 10	High Btu Liquid Waste	Archive	1	3B		1445		"	
VS2-HBW-13B-Grab 11	High Btu Liquid Waste	Archive	1	3B		1500		500mL	Metals Test Finshed 1510
VS2-HBW-13B-Grab 12	High Btu Liquid Waste	Archive	1	3B		1515		"	
VS2-HBW-13B-Grab 13	High Btu Liquid Waste	Archive	1	3B		1530		500mL	
VS2-HBW-13B-Grab 14	High Btu Liquid Waste	Archive	1	3B					Test Complete 1540

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-1~~3A~~-COMP 1
 Operator KLP/THO/CH

Date 10/10/13
 Condition No. 1
 Run No 3A
 Start Time 0915
 Stop Time 1023

Sample Number	Time	Volume/Mass (mL)
1	0915	500 mL
2	0930	u
3	0945	500
4	1000	500
5	1015	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-13B-COMP2A
 Operator CH

Date 10/10/2013
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1330

Sample Number	Time	Volume/Mass ^(ml)
1	1230	500
2	1245	500
3	1300	500
4	1315	500
5	1330	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-1 ~~3B~~ COMP ~~2B~~
 Operator CH

Date 10/10/2013
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time ~~12~~ 1510

Sample Number	Time	Volume/Mass (mL)
1	1230	250
2	1245	250 250
3	1300	250
4	1315	250
5	1330	250
6	1345	250
7	1330 1400	250
8	1415	250
9	1430	250
10	1445	250
11	1500	250
12	1515	250
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL Date 10/10/2013
 Project Number 40942525.30-02 Condition No. 1
 Facility Unit 2 Run No 3B
 Stream Name High Btu Liquid Waste Start Time 1230
 Sample Point VS2-HBW-1 ~~3B~~-COMP ~~2B~~-DUPLICATE Stop Time 1510
 Operator CH

Sample Number	Time	Volume/Mass ^(mL)
1	1230	250
2	1245	250
3	1300	250
4	1315	250
5	1330	250
6	1345	250
7	1400 1400	250
8	1415	250
9	1430	250
10	1445	250
11	1500	250
12	1515	250
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-1 ~~3B~~ COMP ~~2C~~
 Operator KLP

Date 10/10/2013
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1540

(ml)

Sample Number	Time	Volume/Mass
1	1230	250
2	1245	250
3	1300	250
4	1315	250
5	1330	250
6	1415	250
7	1400 1400	250
8	1415	250
9	1430	250
10	1445	250
11	1500	250
12	1515	250
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LWF-13A-Comp1	Liquid Waste Feed	Phys/Comp	1	3A	10/10/13	1017		~2500mL	Start time: 0915
VS2-LWF-13A-Grab 1	Liquid Waste Feed	Archive	1	3A		0917		500mL	
VS2-LWF-13A-Grab 2	Liquid Waste Feed	Archive	1	3A		0932		"	
VS2-LWF-13A-Grab 3	Liquid Waste Feed	Archive	1	3A		0947		"	
VS2-LWF-13A-Grab 4	Liquid Waste Feed	Archive	1	3A		1002		"	
VS2-LWF-13A-Grab 5	Liquid Waste Feed	Archive	1	3A		1017		"	Stop Time: 1023
VS2-LWF-13A-Grab 6	Liquid Waste Feed	Archive	1	3A					
VS2-LWF-13A-Grab 7	Liquid Waste Feed	Archive	1	3A					
VS2-LWF-13A-Grab 8	Liquid Waste Feed	Archive	1	3A					
VS2-LWF-13B-Comp2A	Liquid Waste Feed	Phys/Comp	1	3B	10/10/13	1332		2500mL	Start time 1230
VS2-LWF-13B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	3B		1502		2750	
VS2-LWF-13B-Comp2C	Liquid Waste Feed	Phys/Comp	1	3B		1532		3250	
VS2-LWF-13B-Grab 1	Liquid Waste Feed	Archive	1	3B		1232		500mL	
VS2-LWF-13B-Grab 2	Liquid Waste Feed	Archive	1	3B		1247		"	
VS2-LWF-13B-Grab 3	Liquid Waste Feed	Archive	1	3B		1302		"	
VS2-LWF-13B-Grab 4	Liquid Waste Feed	Archive	1	3B		1317		500mL	
VS2-LWF-13B-Grab 5	Liquid Waste Feed	Archive	1	3B		1332		500mL	Shp Test - 1332
VS2-LWF-13B-Grab 6	Liquid Waste Feed	Archive	1	3B		1347		"	
VS2-LWF-13B-Grab 7	Liquid Waste Feed	Archive	1	3B		1402		"	
VS2-LWF-13B-Grab 8	Liquid Waste Feed	Archive	1	3B		1417		500mL	Metals Start @ 1410
VS2-LWF-13B-Grab 9	Liquid Waste Feed	Archive	1	3B		1432		"	
VS2-LWF-13B-Grab 10	Liquid Waste Feed	Archive	1	3B		1447		"	
VS2-LWF-13B-Grab 11	Liquid Waste Feed	Archive	1	3B		1502		500mL	Metals test complete @ 1510
VS2-LWF-13B-Grab 12	Liquid Waste Feed	Archive	1	3B		1517		"	
VS2-LWF-13B-Grab 13	Liquid Waste Feed	Archive	1	3B		1532		500mL	Test Complete @ 1540
VS2-LWF-13B-Grab 14	Liquid Waste Feed	Archive	1	3B					

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1~~3A~~-COMP 1
 Operator KLP/THD/CH

Date 10/10/13
 Condition No. 1
 Run No 3A
 Start Time 1015
 Stop Time 1025

Sample Number	Time	Volume/Mass (ml)
1	0917	500
2	0932	500
3	0947	500
4	1002	500
5	1017	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1 ~~3B~~ COMP 2A
 Operator TWD

Date 10/10/2013
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1330

Sample Number	Time	Volume/Mass ^(ml)
1	1232	500
2	1247	500
3	1302	500
4	1317	500
5	1332	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1 ~~3B~~ COMP 2B
 Operator THO

Date 10/10/13
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1510

Sample Number	Time	Volume/Mass (ml)
1	1232	500 250
2	1247	250
3	1302	250
4	1317	250
5	1330	250
6	1347	250
7	1402 1402	250
8	1417	250
9	1432	250
10	1447	250
11	1502	250
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/10/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	3B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1230
Composite Sample ID	VS2-LWF-1 <u>3B</u> -COMP <u>2B-DUPLICATE</u>	Stop Time	1510
Operator	THD		

Sample Number	Time	Volume/Mass
1	1232	250
2	1247	250
3	1302	250
4	1317	250
5	1332	250
6	1347	250
7	1402 1402	250
8	1417	250
9	1432	250
10	1447	250
11	1502	250
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1 ~~3B~~-COMP ~~2C~~
 Operator THD

Date 10/10/13
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1540

Sample Number	Time	Volume/Mass
1	1232	250
2	1247	250
3	1302	250
4	1317	250
5	1332	250
6	1347	250
7	1402 1402	250
8	1417	250
9	1432	200
10	1447	250
11	1502	250
12	1517	250
13	t	
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Box #	Comments	Wt (g)
VS2-CS-13A-Comp1	Containerized Solids	Phys/Comp	1	3A	10/10/19	1015		2530g	Start time 0915		
VS2-CS-13A-Grab 1	Containerized Solids	Archive	1	3A		0915		488g	88-133 (1418)		
VS2-CS-13A-Grab 2	Containerized Solids	Archive	1	3A		0930		459g	88-130 (1242)		
VS2-CS-13A-Grab 3	Containerized Solids	Archive	1	3A		0945		456	88-116 (1003)		
VS2-CS-13A-Grab 4	Containerized Solids	Archive	1	3A		1000		493	88-103 (1544)		
VS2-CS-13A-Grab 5	Containerized Solids	Archive	1	3A		1015		449	88-399 (1587)		
VS2-CS-13A-Grab 6	Containerized Solids	Archive	1	3A					Stop time: 1023		
VS2-CS-13A-Grab 7	Containerized Solids	Archive	1	3A							
VS2-CS-13A-Grab 8	Containerized Solids	Archive	1	3A							
VS2-CS-13B-Comp2A	Containerized Solids	Phys/Comp	1	3B	10/10/19	1330		2516	Start time - 1230		
VS2-CS-13B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	3B		1500		3313			
VS2-CS-13B-Comp2C	Containerized Solids	Phys/Comp	1	3B		1530		3727			
VS2-CS-13B-Grab 1	Containerized Solids	Archive	1	3B	10/10/19	1230		422	# 21 (2267)		
VS2-CS-13B-Grab 2	Containerized Solids	Archive	1	3B		1245		466	# 31 (1870)		
VS2-CS-13B-Grab 3	Containerized Solids	Archive	1	3B		1300		484	# 40 (2073)		
VS2-CS-13B-Grab 4	Containerized Solids	Archive	1	3B		1315		516	# 50 (1758)		
VS2-CS-13B-Grab 5	Containerized Solids	Archive	1	3B		1336		380	# 60 (1501)		
VS2-CS-13B-Grab 6	Containerized Solids	Archive	1	3B		1345		491	# 68 (1270)		
VS2-CS-13B-Grab 7	Containerized Solids	Archive	1	3B		1400		550	# 77 (1172)		
VS2-CS-13B-Grab 8	Containerized Solids	Archive	1	3B		1415		487	Test Metals start 1410	# 87 (1469)	
VS2-CS-13B-Grab 9	Containerized Solids	Archive	1	3B		1430		497	# 96 (1166)		
VS2-CS-13B-Grab 10	Containerized Solids	Archive	1	3B		1445		481	# 106 (1212)		
VS2-CS-13B-Grab 11	Containerized Solids	Archive	1	3B		1500		520	# 115 (1238) Metals test		
VS2-CS-13B-Grab 12	Containerized Solids	Archive	1	3B		1515		500	# 125 (1233) Comp Metals		
VS2-CS-13B-Grab 13	Containerized Solids	Archive	1	3B		1530		503	# 134 (927)		
VS2-CS-13B-Grab 14	Containerized Solids	Archive	1	3B					Shop Tech @ 1540		

19) Box # / Total sample

Metals test
Comp Metals
1510

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-1~~3A~~-COMP 1
 Operator THD

Date 10/10/2013
 Condition No. 1
 Run No 3A
 Start Time 0915
 Stop Time 1023

Sample Number	Container ID	Time	Volume/ Mass ^(g)
1	88-133	0915	511
2	88-130	0930	514
3	88-116	0945	505
4	88-103	1000	500
5	88-199	1015	500
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-13B-COMP 2A
 Operator THD

Date 10/10/13
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1330

Sample Number	Container ID	Time	Volume/ Mass
1	#21	1230	506
2	#31	1245	501
3	#40	1300	502
4	#50	1315	501
5	#60	1330	506
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/10/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	3B
Stream Name	Containerized Solids (CS)	Start Time	1230
Composite Sample ID	VS2-CS-1 <u>3B</u> -COMP <u>2B</u>	Stop Time	1510
Operator	THD		

Sample Number	Container ID	Time	Volume/ Mass
1	#21	1230	302
2	#31	1245	300
3	#40	1300	300
4	#50	1315	301
5	#60	1330	303
6	#68	1345	300
7	#77	1400	300
8	#87	1415	304
9	#96	1430	302
10	#106	1445	300
11	#115	1500	301
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-1^{3B}-COMP ^{2C}
 Operator THD

Date 10/10/13
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1540

(g)

Sample Number	Container ID	Time	Volume/ Mass
1	#21	1230	310
2	#31	1245	300
3	#40	1300	303
4	#50	1315	303
5	#60	1330	303
6	#68	1345	300
7	#77	1400	300
8	#87	1415	300
9	#96	1430	304
10	#106	1445	301
11	#115	1500	301
12	#125	1515	300
13	#134	1530	302
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.



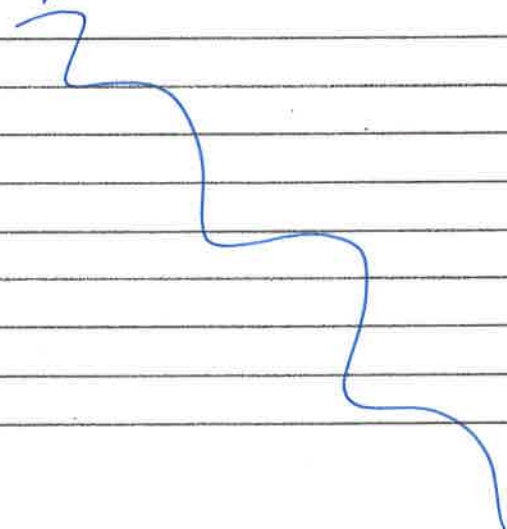
DAILY RECORD OF EVENTS

DATE:	12-11-13	PAGE:	1	OF:	
NAME:	Katie Pritchard (EVP) - Teresa Davis (THD) - Cameron Holland				
TO (FILE/PM):	Mike Fuchs.				(CF)
PROJECT #:	40942525				

CLIENT:	10/11/2013 - Veolia	SITE:	Sauget, IL
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SUBJECT: Waste Sampling

- 0700 Depart hotel for site - all personnel. Weather is sunny High near 80°F.
- 0720 Arrive on-site and check-in. Held Tailgate H+S Meeting.
Begin to gear up/organize for waste sampling activities.
- 0800 All sampling ready to go.
- 0945 Begin Test 4B - Unit 2.
Collect Sample ~~spikes~~ Spikes Veolia Bag #'s are:
Pb = L-856 Hg = #981 Chlorine = H-1004
- 1045 Port Change - Stop Comp 2A - Run 4B.
Collect Spike samples Cr, Pb, Hg, Chlorine
Veolia Bag #'s Pb = L-838 Hg = #954 Chlorine = H-962
- 1125 Complete port change on stacks.
- 1225 Metals Train Complete - End Run 4B Comp 2B
Collect Spike Samples - Hg, Cr, Pb, Chlorine
Veolia bag #'s = Hg = 921 Pb = L-544 Chlorine = H-120
- 1255 Complete Test Run 4B
Collect Archive Spikes: Hg, Cr, Pb, Chlorine
Veolia ID #'s: Pb = L-519 Chlorine = H-166 Hg # 922
- 1315 CH off-site. All material removed from sampling locations.
- 1330 Relinquish COC to Jessie.
Talk to testers Re: samples. All Archive samples in conference south of Unit #2 stack.
- 1350 THD/EVP off-site



Katie Pritchard

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Balance ID 5486

Calibration Checked by	Initials	<u>THD</u>
	Date	<u>10/11/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		<u>20.16</u>		
	50		<u>50.07</u>		
	100		<u>100.07</u>		
	200		<u>200.16</u>		
	500		<u>500.15</u>		
	1000		<u>1001.0</u>		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

*CDS-088: Field Balance Calibration
 Per EM SOP-010
 Revision Date: March 2012
 Reviewed: July 2013*

DAILY TAILGATE SAFETY MEETING FORM

Project Name/Number: **Veolia Sarget 40942525** Date & Time: **10/8/13 0800**
 Work Location: **Sarget, IL** Client: **Veolia**

Major Tasks:	Recognized/Unanticipated Hazards:	Control Methods:	Tools Required to do the job safely:
waste stream sampling	slip trip & falls	inspect for hazards - good housekeeping	
solids sampling	chemical hazards	tyvek face shields, nitrile gloves	
Other:			
Emergency Procedures:	dial 911 - see HASP		
Hospital:	see HASP	Clinic: see HASP	
Biological Hazards:	None	Physical Hazards: slip trip falls, weather,	
Chemical Hazards:	waste streams	hard hat, steel-toed boots, face shield, nitrile gloves, tyvek	

Adjacent Work/Processes and/or co-occupancy Yes No Notified them of our presence Coordinated with adjacent work supervisor/customer operator

TEAM MEMBERS SIGNATURES

Tara Deini *Common Nollend* *Kathi Richard*
 10/9/13 *Tara Deini* 10/9/13 *Kathi Richard* 10/9/13 *Common Nollend*
 10/10/13 *Tara Deini* 10/10/13 *Kathi Richard* 10/10/13 *Common Nollend*

The signature of the Supervisor certifies the completion of the Project Review by the crew.

Supervisor's Signature: *Tara Deini* Date: **10/8/13**

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this form sign in the spaces provided at the bottom. 8. Review the form at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

10/11/13 *Tara Deini*
 10/11/13 *Kathi Richard*
 10/11/13 *Common Nollend*

Review checklist on next page

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-14A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	4A	—	—			
VS2-LBW-14A-Grab 1	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14A-Grab 2	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14A-Grab 3	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14A-Grab 4	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14A-Grab 5	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14A-Grab 6	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14A-Grab 7	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14A-Grab 8	Low Btu Liquid Waste	Archive	1	4A	—	—			
VS2-LBW-14B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	4B	10/11/13	1046		2500 mL	Start Test 0945
VS2-LBW-14B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	4B		1216		2750 mL	
VS2-LBW-14B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	4B		1246		3250 mL	
VS2-LBW-14B-Grab 1	Low Btu Liquid Waste	Archive	1	4B		0946		500 mL	
VS2-LBW-14B-Grab 2	Low Btu Liquid Waste	Archive	1	4B		1001		"	
VS2-LBW-14B-Grab 3	Low Btu Liquid Waste	Archive	1	4B		1016		"	
VS2-LBW-14B-Grab 4	Low Btu Liquid Waste	Archive	1	4B		1031		"	
VS2-LBW-14B-Grab 5	Low Btu Liquid Waste	Archive	1	4B		1046		"	Stop Test 1045 - begin Part Change
VS2-LBW-14B-Grab 6	Low Btu Liquid Waste	Archive	1	4B		1101		500 mL	
VS2-LBW-14B-Grab 7	Low Btu Liquid Waste	Archive	1	4B		1116		"	
VS2-LBW-14B-Grab 8	Low Btu Liquid Waste	Archive	1	4B		1131		"	125-Complete part change
VS2-LBW-14B-Grab 9	Low Btu Liquid Waste	Archive	1	4B		1146		"	
VS2-LBW-14B-Grab 10	Low Btu Liquid Waste	Archive	1	4B		1201		"	
VS2-LBW-14B-Grab 11	Low Btu Liquid Waste	Archive	1	4B		1216		"	Shop Metals e 1225
VS2-LBW-14B-Grab 12	Low Btu Liquid Waste	Archive	1	4B		1231		"	
VS2-LBW-14B-Grab 13	Low Btu Liquid Waste	Archive	1	4B		1246		"	Finish ^{part} Test e 1255
VS2-LBW-14B-Grab 14	Low Btu Liquid Waste	Archive	1	4B					

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-1 **4B**-COMP **2A**
 Operator KP

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time 1045

(mL)

Sample Number	Time	Volume/Mass.
1	0946	500
2	1001	500
3	1016	500
4	1031	500
5	1046	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-1 ~~4B~~ COMP ~~2B~~
 Operator KLP

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time 1225

Sample Number	Time	Volume/Mass ^(ml)
1	0946	250
2	1001	500 250
3	1016	250
4	1031	250
5	1046	250
6	1101	250
7	1116	250
8	1131 1131	250
9	1146	250
10	1201	250
11	1216	250
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-1 ~~4B~~ -COMP ~~2C~~
 Operator KLP

Date 10/11/13
 Condition No. 1
 Run No Rvr 4B
 Start Time 0945
 Stop Time 1255

Sample Number	Time	Volume/Mass (ml)
1	0946	250
2	1001	250
3	1016	250
4	1031	250
5	1046	250
6	1101	250
7	1116	250
8	1131	250
9	1146	250
10	1201	250
11	1216	250
12	1231	250
13	1246	250
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LWF-14A-Comp1	Liquid Waste Feed	Phys/Comp	1	4A	—	—			
VS2-LWF-14A-Grab 1	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14A-Grab 2	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14A-Grab 3	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14A-Grab 4	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14A-Grab 5	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14A-Grab 6	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14A-Grab 7	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14A-Grab 8	Liquid Waste Feed	Archive	1	4A	—	—			
VS2-LWF-14B-Comp2A	Liquid Waste Feed	Phys/Comp	1	4B	10/11/12	1047		250ml	Begin Test 0945
VS2-LWF-14B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	4B		1217		2750 ml	
VS2-LWF-14B-Comp2C	Liquid Waste Feed	Phys/Comp	1	4B		0947		500ml	
VS2-LWF-14B-Grab 1	Liquid Waste Feed	Archive	1	4B		1002		"	
VS2-LWF-14B-Grab 2	Liquid Waste Feed	Archive	1	4B		1017		"	
VS2-LWF-14B-Grab 3	Liquid Waste Feed	Archive	1	4B		1032		"	
VS2-LWF-14B-Grab 4	Liquid Waste Feed	Archive	1	4B		1047		"	Sp Test 1045 - Comp 2A
VS2-LWF-14B-Grab 5	Liquid Waste Feed	Archive	1	4B		1102		500ml	
VS2-LWF-14B-Grab 6	Liquid Waste Feed	Archive	1	4B		1117		"	
VS2-LWF-14B-Grab 7	Liquid Waste Feed	Archive	1	4B		1132		"	Post Change Complete = 1125
VS2-LWF-14B-Grab 8	Liquid Waste Feed	Archive	1	4B		1147		"	
VS2-LWF-14B-Grab 9	Liquid Waste Feed	Archive	1	4B		1202		"	
VS2-LWF-14B-Grab 10	Liquid Waste Feed	Archive	1	4B		1217		"	
VS2-LWF-14B-Grab 11	Liquid Waste Feed	Archive	1	4B		1232		"	
VS2-LWF-14B-Grab 12	Liquid Waste Feed	Archive	1	4B		1247		"	
VS2-LWF-14B-Grab 13	Liquid Waste Feed	Archive	1	4B					
VS2-LWF-14B-Grab 14	Liquid Waste Feed	Phys Comp METALS	1	4B	10/11/13	1247		3250ml	COMPOSITE = 3HR - 2C

VS2-LWF-14B-CompC

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1 ~~4B~~-COMP ~~2A~~
 Operator THO

Date 10/11/13
 Condition No. 1
 Run No Run 413
 Start Time 0945
 Stop Time 1045

(ml)

Sample Number	Time	Volume/Mass
1	0947	500
2	1002	500
3	1017	500
4	1032	500
5	1047	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1 4B-COMP 2B
 Operator THD

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time 1225

Sample Number	Time	Volume/Mass (ml)
1	0947	250
2	1002	250
3	1017	250
4	1032	250
5	1047	250
6	1102	250
7	1117	250
8	1132	250
9	1147	250
10	1202	250
11	1217	250
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Feeder - 2 Hrs.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1 4B-COMP 2C
 Operator THO

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time 1255

Sample Number	Time	Volume/Mass (mL)
1	0947	250
2	1002	250
3	1017	250
4	1032	250
5	1047	250
6	1102	250
7	1117	250
8	1132	250
9	1147	250
10	1702	250
11	1217	250
12	1232	250
13	1247	250
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Box # / Total collected wt (g)

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-CS-14A-Comp1	Containerized Solids	Phys/Comp	1	4A	---	---			
VS2-CS-14A-Grab 1	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14A-Grab 2	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14A-Grab 3	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14A-Grab 4	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14A-Grab 5	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14A-Grab 6	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14A-Grab 7	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14A-Grab 8	Containerized Solids	Archive	1	4A	---	---			
VS2-CS-14B-Comp2A	Containerized Solids	Phys/Comp	1	4B	10/6/13	1045		2504 g	Basin Teste 0945
VS2-CS-14B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	4B		1215		3311	
VS2-CS-14B-Comp2C	Containerized Solids	Phys/Comp	1	4B		1245		3930	
VS2-CS-14B-Grab 1	Containerized Solids	Archive	1	4B		0945		536	# 21 (1996)
VS2-CS-14B-Grab 2	Containerized Solids	Archive	1	4B		1000		507	# 30 (2086)
VS2-CS-14B-Grab 3	Containerized Solids	Archive	1	4B		1015		511	# 40 (2096)
VS2-CS-14B-Grab 4	Containerized Solids	Archive	1	4B		1030		513	# 49 (1960)
VS2-CS-14B-Grab 5	Containerized Solids	Archive	1	4B		1045		534	# 58 (1829)
VS2-CS-14B-Grab 6	Containerized Solids	Archive	1	4B		1100		463	# 67 (1347)
VS2-CS-14B-Grab 7	Containerized Solids	Archive	1	4B		1115		490	# 77 (1269)
VS2-CS-14B-Grab 8	Containerized Solids	Archive	1	4B		1130		497	# 87 (1242)
VS2-CS-14B-Grab 9	Containerized Solids	Archive	1	4B		1145		441	# 97 (1678)
VS2-CS-14B-Grab 10	Containerized Solids	Archive	1	4B		1200		464	# 106 (1161) Metals
VS2-CS-14B-Grab 11	Containerized Solids	Archive	1	4B		1215		456	# 115 (1337) Shp @ 1225
VS2-CS-14B-Grab 12	Containerized Solids	Archive	1	4B		1230		500	# 124 (890)
VS2-CS-14B-Grab 13	Containerized Solids	Archive	1	4B	✓	1245		482	# 133 (935)
VS2-CS-14B-Grab 14	Containerized Solids	Archive	1	4B					

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-1 4B-COMP 2A
 Operator TAD

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time ~~1000~~ 1045

(g)

Sample Number	Container ID	Time	Volume/ Mass
1	#21	0945	501
2	#30	1000	501
3	#40	1015	500
4	#47	1030	502
5	#58	1045	500
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Solids - 1 Hr.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/11/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	4B
Stream Name	Containerized Solids (CS)	Start Time	0945
Composite Sample ID	VS2-CS-1 <u>4B</u> -COMP <u>2B</u>	Stop Time	1225
Operator	T40		

(g)

Sample Number	Container ID	Time	Volume/ Mass
1	#21	0945	302
2	#30	1000	306
3	#40	1015	300
4	#49	1030	300
5	#58	1045	301
6	#67	1100	300
7	#77	1115	300
8	#87	1130	300
9	#97	1145	300
10	#106	1200	301
11	#115	1215	307
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Solids - 2 Hrs.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/11/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	4B
Stream Name	Containerized Solids (CS)	Start Time	0945
Composite Sample ID	VS2-CS-1 <u>4B</u> -COMP <u>2C</u>	Stop Time	1245 1255
Operator	<u>KLP</u>		

(9)

Sample Number	Container ID	Time	Volume/ Mass
1	#21	0945	304
2	#30	1000	302
3	#40	1015	302
4	#49	1030	301
5	#58	1045	303
6	#67	1100	305
7	#77	1115	302
8	#87	1130	300
9	#97	1145	300
10	#106	1200	302
11	# 115 115	1215	302
12	#126	1230	306
13	#133	1245	301
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Solids - 3 Hr.

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-14A-Comp1	High Btu Liquid Waste	Phys/Comp	1	4A	—				
VS2-HBW-14A-Grab 1	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14A-Grab 2	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14A-Grab 3	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14A-Grab 4	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14A-Grab 5	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14A-Grab 6	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14A-Grab 7	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14A-Grab 8	High Btu Liquid Waste	Archive	1	4A	—				
VS2-HBW-14B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	4B	10/11/13	1045		2500 mL	Start Test @ 0945
VS2-HBW-14B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	4B		1245 1245		2750 mL	
VS2-HBW-14B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	4B		1245		3250 mL	
VS2-HBW-14B-Grab 1	High Btu Liquid Waste	Archive	1	4B		0945		500 mL	
VS2-HBW-14B-Grab 2	High Btu Liquid Waste	Archive	1	4B		1000		"	
VS2-HBW-14B-Grab 3	High Btu Liquid Waste	Archive	1	4B		1015		"	
VS2-HBW-14B-Grab 4	High Btu Liquid Waste	Archive	1	4B		1030		"	
VS2-HBW-14B-Grab 5	High Btu Liquid Waste	Archive	1	4B		1045		"	Strip Comp 2A - 1045
VS2-HBW-14B-Grab 6	High Btu Liquid Waste	Archive	1	4B		1100		500 mL	
VS2-HBW-14B-Grab 7	High Btu Liquid Waste	Archive	1	4B		1115		"	
VS2-HBW-14B-Grab 8	High Btu Liquid Waste	Archive	1	4B		1130		"	1125 - Port A Complete
VS2-HBW-14B-Grab 9	High Btu Liquid Waste	Archive	1	4B		1145		"	
VS2-HBW-14B-Grab 10	High Btu Liquid Waste	Archive	1	4B		1200		"	
VS2-HBW-14B-Grab 11	High Btu Liquid Waste	Archive	1	4B		1215		"	
VS2-HBW-14B-Grab 12	High Btu Liquid Waste	Archive	1	4B		1230		"	
VS2-HBW-14B-Grab 13	High Btu Liquid Waste	Archive	1	4B		1245		"	
VS2-HBW-14B-Grab 14	High Btu Liquid Waste	Archive	1	4B					

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-1 **4B** COMP **2A**
 Operator KLP

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time 1045

(mL)

Sample Number	Time	Volume/Mass
1	0945	500
2	1000	500
3	1015	500
4	1030	500
5	1045	500
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-1 **4B**-COMP **2B**
 Operator KLP

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time 1225

Sample Number	Time	Volume/Mass ^(ml)
1	0945	250
2	1000	250
3	1015	250
4	1030	250
5	1045	250
6	1100	250
7	1115	250
8	1130	250
9	1145	250
10	1100 1200	250
11	1215	250
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

HIGH - 2 Hr

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-1 ~~4B~~-COMP ~~2C~~
 Operator CH

Date 10/11/13
 Condition No. 1
 Run No 4B
 Start Time 0945
 Stop Time ~~1245~~ 1255
K10

(ml)

Sample Number	Time	Volume/Mass
1	0945	250
2	1000	250
3	1015	250
4	1030	250
5	1045	250
6	1100	250
7	1115	250
8	1130	250
9	1145	250
10	1200	250
11	1215	250
12	1230	250
13	1245	250
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.



DAILY RECORD OF EVENTS

DATE:	10/30/13	PAGE	1	OF	1
NAME:	Teresa Davis				
TO (FILE/FM):	Mike Fuchs				
PROJECT #:	40942525.40-02				

CLIENT: Veolia SITE: Sargey, IL

SUBJECT: Unit 2 Waste stream sampling - Run 5B

0710 We leave the hotel for the site.

0730 We arrive at Veolia in Sargey, IL. I hold a site safety briefing.

Personnel on site: Teresa Davis
Katie Pritchard } URS
Mike Priebe

Weather: upper 50's, foggy

0745 We prepare to begin sampling at Unit 2 - run 5B.

1245 We start run 5B.

spikes collected @ 1245

Cl: H-1433 Hg: 294
Lead: L-1401 Cr: 120 ml

1345 We end Run 5B.

1405 I collect spike samples.

Cl: H-1277 Hg: 1285
Pb: L-1353 Cr: 120 ml

1432 Port change completed.

1530 I collect spike samples:

Cl: H-1224 Hg: 1209
Pb: L-1489 Cr: 120 ml

1532 Metals train ends.

1600 Run 5B ends.

1602 I collect archive spike samples.

Cl: H-1219 Hg: 1153
Pb: L-1485 Cr: 120 ml

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Balance ID 5486

Calibration Checked by	Initials	<u>MP</u>
	Date	<u>10/30/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c	
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16970</u>	20		<u>20.1</u>			
	50		<u>50.0</u>			
	100		<u>100.0</u>			
	200		<u>200.1</u>			
	500		<u>500.0</u>			
	1000		<u>1000.6</u>			

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CDS-08B: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013

DAILY TAILGATE SAFETY MEETING FORM

Project Name/Number: *Veolia waste stream sampling 40942525*
 Date & Time: *10/30/13 0730*
 Work Location: *Sargey, IL* Client: *Veolia*

Major Tasks:	Recognized/Unanticipated Hazards:	Control Methods:	Tools Required to do the job safely:
<i>waste stream sampling</i>	<i>slip trip + falls irritating odors chemical splashing chance of fisterns</i>	<i>inspect for hazards wear respirator wear coated Tyvek go to safe place - wait 30 min to resume work</i>	
Other:			
Emergency Procedures:	<i>see HASP - dial 911</i>		
Hospital:	<i>see HASP</i>	<i>Clinic: see HASP</i>	
Biological Hazards:	<i>none</i>	<i>Physical Hazards: slip trip + falls, weather</i>	
Chemical Hazards:	<i>in waste streams</i>	<i>Minimum PPE: hard hat, safety glasses, face shield, respirator, steel-toed boots, nitriles</i>	

Adjacent Work/Processes and/or co-occupancy Yes No Notified them of our presence Coordinated with adjacent work supervisor/customer operator

TEAM MEMBERS SIGNATURES

Tina Davis *Greg P. Phelps*

The signature of the Supervisor certifies the completion of the Project Review by the crew.

Supervisor's Signature: *Tina Davis* Date: *10/30/13*

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this form sign in the spaces provided at the bottom. 8. Review the form at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

Review checklist on next page

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS2-CS-15B-Comp2A	Containerized Solids	Phys/Comp	1	10/20/13	1345		2504g	
VS2-CS-15B-Comp2B	Containerized Solids	Phys/Comp, Metals	1		1530		3601g	
VS2-CS-15B-Comp2C	Containerized Solids	Phys/Comp	1		1600		4207g	
VS2-CS-15B-Grab 1	Containerized Solids	Archive	1		1245		462g	#22 (1998g)
VS2-CS-15B-Grab 2	Containerized Solids	Archive	1		1300		533g	#32 (2026g)
VS2-CS-15B-Grab 3	Containerized Solids	Archive	1		1315		554g	#41 (1827g)
VS2-CS-15B-Grab 4	Containerized Solids	Archive	1		1330		618g	#51 (2165g)
VS2-CS-15B-Grab 5	Containerized Solids	Archive	1		1345		542g	#60 (1814g)
VS2-CS-15B-Grab 6	Containerized Solids	Archive	1		1406		592g	#69 (2207g)
VS2-CS-15B-Grab 7	Containerized Solids	Archive	1		1415		556g	#79 (1580g)
VS2-CS-15B-Grab 8	Containerized Solids	Archive	1		1430		586g	#89 (1532g)
VS2-CS-15B-Grab 9	Containerized Solids	Archive	1		1445		550g	#99 (1646g)
VS2-CS-15B-Grab 10	Containerized Solids	Archive	1		1500		636g	#109 (1752g)
VS2-CS-15B-Grab 11	Containerized Solids	Archive	1		1515		509g	#118 (1873g)
VS2-CS-15B-Grab 12	Containerized Solids	Archive	1		1530		501g	#127 (1654g)
VS2-CS-15B-Grab 13	Containerized Solids	Archive	1		1545		483g	#137 (919g)
VS2-CS-15B-Grab 14	Containerized Solids	Archive	1		1600		543g	#144 (1081g)
VS2-CS-15B-Grab 15	Containerized Solids	Archive	1					
VS2-CS-15B-Grab 16	Containerized Solids	Archive	1					
VS2-CS-15B-Grab 17	Containerized Solids	Archive	1					
VS2-CS-15B-Grab 18	Containerized Solids	Archive	1					
VS2-CS-15B-Grab 19	Containerized Solids	Archive	1					
VS2-CS-15B-Grab 20	Containerized Solids	Archive	1					
VS2-CS-15B-Grab 21	Containerized Solids	Archive	1					

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-15B-COMP 2A
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1245
 Stop Time 1345

Sample Number	Container ID	Time	Volume/ Mass
1	# 22	1245	500
2	# 32	1300	504
3	# 41	1315	498
4	# 51	1330	500
5	# 60	1345	502
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2504

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-15B-COMP 2B
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1245
 Stop Time 1530

Sample Number	Container ID	Time	Volume/ Mass
1	#22	1245	305
2	#32	1300	301
3	#41	1315	297
4	#51	1336	300
5	#60	1345	298
6	#69	1400	301
7	#79	1415	299
8	#89	1430	305
9	#99	1445	299
10	#109	1500	296
11	#118	1515	301
12	#127	1530	299
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			360 1 9

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-15B-COMP 2C
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1245
 Stop Time 1600

Sample Number	Container ID	Time	Volume/ Mass
1	#22	1245	300
2	#32	1300	300
3	#41	1315	300
4	#51	1330	309
5	#60	1345	297
6	#69	1400	300
7	#79	1415	307
8	#89	1430	301
9	#99	1445	300
10	#109	1500	305
11	#118	1515	297
12	#127	1530	299
13	#137	1545	297
14	#144	1600	295
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			4207

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS2-LWF-15B-Comp2A	Liquid Waste Feed	Phys/Comp	1	10/30/13	1345		2500ml	
VS2-LWF-15B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1		1530		3600ml	
VS2-LWF-15B-Comp2C	Liquid Waste Feed	Phys/Comp	1		1600		2800ml	
VS2-LWF-15B-Grab 1	Liquid Waste Feed	Archive	1		1245		500ml	
VS2-LWF-15B-Grab 2	Liquid Waste Feed	Archive	1		1300			
VS2-LWF-15B-Grab 3	Liquid Waste Feed	Archive	1		1315			
VS2-LWF-15B-Grab 4	Liquid Waste Feed	Archive	1		1330			
VS2-LWF-15B-Grab 5	Liquid Waste Feed	Archive	1		1345			
VS2-LWF-15B-Grab 6	Liquid Waste Feed	Archive	1		1400			
VS2-LWF-15B-Grab 7	Liquid Waste Feed	Archive	1		1415			
VS2-LWF-15B-Grab 8	Liquid Waste Feed	Archive	1		1430			
VS2-LWF-15B-Grab 9	Liquid Waste Feed	Archive	1		1445			
VS2-LWF-15B-Grab 10	Liquid Waste Feed	Archive	1		1500			
VS2-LWF-15B-Grab 11	Liquid Waste Feed	Archive	1		1515			
VS2-LWF-15B-Grab 12	Liquid Waste Feed	Archive	1		1530			
VS2-LWF-15B-Grab 13	Liquid Waste Feed	Archive	1		1545			
VS2-LWF-15B-Grab 14	Liquid Waste Feed	Archive	1		1600			
VS2-LWF-15B-Grab 15	Liquid Waste Feed	Archive	1					
VS2-LWF-15B-Grab 16	Liquid Waste Feed	Archive	1					
VS2-LWF-15B-Grab 17	Liquid Waste Feed	Archive	1					
VS2-LWF-15B-Grab 18	Liquid Waste Feed	Archive	1					
VS2-LWF-15B-Grab 19	Liquid Waste Feed	Archive	1					
VS2-LWF-15B-Grab 20	Liquid Waste Feed	Archive	1					
VS2-LWF-15B-Grab 21	Liquid Waste Feed	Archive	1					

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1~~5B~~-COMP 2A
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1245
 Stop Time 1345

Sample Number	Time	Volume/Mass
1	1245	500 ml
2	1300	
3	1315	
4	1330	
5	1345	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		<u>2,500 ml</u>

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-15B-COMP 2B
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1245
 Stop Time 1530

Sample Number	Time	Volume/Mass	
1	1245	300 ml	
2	1300	↓	
3	1315		
4	1330		
5	1345		
6	1400		
7	1415		
8	1430		
9	1445		
10	1500		
11	1515		
12	1530		✓
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		<u>3600 ml</u>

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-15B-COMP 2C
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1245
 Stop Time 1600

Sample Number	Time	Volume/Mass
1	1245	200ml
2	1300	
3	1315	
4	1330	
5	1345	
6	1400	
7	1415	
8	1430	
9	1445	
10	1500	
11	1515	
12	1530	
13	1545	
14	1600	↓
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		<u>2800ml</u>

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-15B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	5B	10/30/13	1346		2500ml	
VS2-HBW-15B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	5B		1531		3600ml	
VS2-HBW-15B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	5B		1601		2800ml	
VS2-HBW-15B-Grab 1	High Btu Liquid Waste	Archive	1	5B		1246		500ml	
VS2-HBW-15B-Grab 2	High Btu Liquid Waste	Archive	1	5B		1301			
VS2-HBW-15B-Grab 3	High Btu Liquid Waste	Archive	1	5B		1316			
VS2-HBW-15B-Grab 4	High Btu Liquid Waste	Archive	1	5B		1331			
VS2-HBW-15B-Grab 5	High Btu Liquid Waste	Archive	1	5B		1346			
VS2-HBW-15B-Grab 6	High Btu Liquid Waste	Archive	1	5B		1401			
VS2-HBW-15B-Grab 7	High Btu Liquid Waste	Archive	1	5B		1416			
VS2-HBW-15B-Grab 8	High Btu Liquid Waste	Archive	1	5B		1431			
VS2-HBW-15B-Grab 9	High Btu Liquid Waste	Archive	1	5B		1446			
VS2-HBW-15B-Grab 10	High Btu Liquid Waste	Archive	1	5B		1501			
VS2-HBW-15B-Grab 11	High Btu Liquid Waste	Archive	1	5B	TD 10/31/13	1516			
VS2-HBW-15B-Grab 12	High Btu Liquid Waste	Archive	1	5B		1531			
VS2-HBW-15B-Grab 13	High Btu Liquid Waste	Archive	1	5B		1546			
VS2-HBW-15B-Grab 14	High Btu Liquid Waste	Archive	1	5B		1601			
VS2-HBW-15B-Grab 15	High Btu Liquid Waste	Archive	1	5B					
VS2-HBW-15B-Grab 16	High Btu Liquid Waste	Archive	1	5B					
VS2-HBW-15B-Grab 17	High Btu Liquid Waste	Archive	1	5B					
VS2-HBW-15B-Grab 18	High Btu Liquid Waste	Archive	1	5B					
VS2-HBW-15B-Grab 19	High Btu Liquid Waste	Archive	1	5B					
VS2-HBW-15B-Grab 20	High Btu Liquid Waste	Archive	1	5B					
VS2-HBW-15B-Grab 21	High Btu Liquid Waste	Archive	1	5B					

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS2-HBW-1SB-COMP 2A
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No SB
 Start Time 1246
 Stop Time 1346

Sample Number	Time	Volume/Mass
1	1246	500ml
2	1301	↓
3	1316	
4	1331	
5	1346	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		<u>2500ml</u>

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS2-HBW-1 5B-COMP 2B
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1246
 Stop Time 1531

Sample Number	Time	Volume/Mass
1	1246	300 ml
2	1301	↓
3	1316	
4	1331	
5	1346	
6	1401	
7	1416	
8	1431	
9	1446	
10	1501	
11	1516	
12	1531	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		<u>3600 ml</u>

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS2-HBW-15B-COMP 2C
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1246
 Stop Time 1601

Sample Number	Time	Volume/Mass
1	1246	200 ml
2	1301	↓
3	1316	
4	1331	
5	1346	
6	1401	
7	1416	
8	1431	
9	1446	
10	1501	
11	1516	
12	1531	
13	1546	
14	1601	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2800 ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-15B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	5B	10/30/13	1347		2500 ~	
VS2-LBW-15B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	5B		1532		3600 ~	
VS2-LBW-15B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	5B		1602		2800 ~	
VS2-LBW-15B-Grab 1	Low Btu Liquid Waste	Archive	1	5B		1247	#3	500 ~	
VS2-LBW-15B-Grab 2	Low Btu Liquid Waste	Archive	1	5B		1302			
VS2-LBW-15B-Grab 3	Low Btu Liquid Waste	Archive	1	5B		1317			
VS2-LBW-15B-Grab 4	Low Btu Liquid Waste	Archive	1	5B		1332			
VS2-LBW-15B-Grab 5	Low Btu Liquid Waste	Archive	1	5B		1347			
VS2-LBW-15B-Grab 6	Low Btu Liquid Waste	Archive	1	5B		1402			
VS2-LBW-15B-Grab 7	Low Btu Liquid Waste	Archive	1	5B		1417			
VS2-LBW-15B-Grab 8	Low Btu Liquid Waste	Archive	1	5B		1432			
VS2-LBW-15B-Grab 9	Low Btu Liquid Waste	Archive	1	5B		1447			
VS2-LBW-15B-Grab 10	Low Btu Liquid Waste	Archive	1	5B		1502			
VS2-LBW-15B-Grab 11	Low Btu Liquid Waste	Archive	1	5B		1517			
VS2-LBW-15B-Grab 12	Low Btu Liquid Waste	Archive	1	5B		1532			
VS2-LBW-15B-Grab 13	Low Btu Liquid Waste	Archive	1	5B		1547			
VS2-LBW-15B-Grab 14	Low Btu Liquid Waste	Archive	1	5B		1602			
VS2-LBW-15B-Grab 15	Low Btu Liquid Waste	Archive	1	5B					
VS2-LBW-15B-Grab 16	Low Btu Liquid Waste	Archive	1	5B					
VS2-LBW-15B-Grab 17	Low Btu Liquid Waste	Archive	1	5B					
VS2-LBW-15B-Grab 18	Low Btu Liquid Waste	Archive	1	5B					
VS2-LBW-15B-Grab 19	Low Btu Liquid Waste	Archive	1	5B					
VS2-LBW-15B-Grab 20	Low Btu Liquid Waste	Archive	1	5B					
VS2-LBW-15B-Grab 21	Low Btu Liquid Waste	Archive	1	5B					

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS2-LBW-1 SB-COMP 2A
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No SB
 Start Time 1247
 Stop Time 1347

Sample Number	Time	Volume/Mass
1	1247	500ml
2	1302	↓
3	1317	↓
4	1332	↓
5	1347	↓
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		<u>2500ml</u>

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS2-LBW-1 5B-COMP 2B
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1247
 Stop Time 1532

Sample Number	Time	Volume/Mass
1	1247	300ml
2	1302	
3	1317	
4	1332	
5	1347	
6	1402	
7	1417	
8	1432	
9	1447	
10	1502	
11	1517	
12	1532	✓
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3600ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS2-LBW-15B-COMP2C
 Operator _____

Date 10/30/13
 Condition No. 1
 Run No 5B
 Start Time 1247
 Stop Time 1602

Sample Number	Time	Volume/Mass
1	1247	200 ml
2	1302	
3	1317	
4	1332	
5	1347	
6	1402	
7	1417	
8	1432	
9	1447	
10	1502	
11	1517	
12	1532	
13	1547	
14	1602	✓
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2800 ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-CL-15B-Grab 1	Chlorine Spiking Mtl	Archive	1	5B	10/30/13	1245			
VS2-CL-15B-Grab 2	Chlorine Spiking Mtl	Archive	1	5B		1405			
VS2-CL-15B-Grab 3	Chlorine Spiking Mtl	Archive	1	5B		1530			
VS2-CL-15B-Grab 4	Chlorine Spiking Mtl	Archive	1	5B		1602			
VS2-PB-15B-Grab 1	Lead Spiking Mtl	Archive	1	5B		1245			
VS2-PB-15B-Grab 2	Lead Spiking Mtl	Archive	1	5B		1405			
VS2-PB-15B-Grab 3	Lead Spiking Mtl	Archive	1	5B		1530			
VS2-PB-15B-Grab 4	Lead Spiking Mtl	Archive	1	5B		1602			
VS2-HG-15B-Grab1	Mercury Spiking Soln	Metals	1	5B		1245			
VS2-HG-15B-Grab2	Mercury Spiking Soln	Metals	1	5B		1405			
VS2-HG-15B-Grab3	Mercury Spiking Soln	Metals	1	5B		1530			
VS2-HG-15B-Grab4	Mercury Spiking Soln	Metals	1	5B		1602			
VS2-CR-15B-Grab1	Chromium Spiking Soln	Metals	1	5B		1245		120 mm	
VS2-CR-15B-Grab2	Chromium Spiking Soln	Metals	1	5B		1405			
VS2-CR-15B-Grab3	Chromium Spiking Soln	Metals	1	5B		1530			
VS2-CR-15B-Grab4	Chromium Spiking Soln	Metals	1	5B		1602			
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									
VS2-									



DAILY RECORD OF EVENTS

DATE:	10-8-2013	PAGE:	1	OF:	
NAME:	Katie Pritchard (KLP) - Teresa Davis (TAD) -				
TO (FILE/PM):	Mike Fuchs	Cameron Holland (CFH)			
PROJECT #:	40942525				

CLIENT: Veolia SITE: Sargeat, IL
 SUBJECT: Waste stream Sampling - Concurrent w/ stack tests.

- 0705 KLP/CFH/TAD depart hotel.
- 0715 Arrive at site and check-in. Begin to unload materials at staging area. Staged east of feeder collection point at loading docks.
- 0800 Hold tailgate health & safety meeting. Weather today - sunny, high near 80°F. winds are calm, slight ~~sun~~ breeze.
Continue prep for sampling.
- 1150 Begin Test Run 1A - Condition 1 Testing.
- 1300 Finish test - stop test. Last samples collected 1250. 5 total samples collected.
- 1540 Begin Run 2B.
SPIKE #1:
1542: Chromium spike collected. - Veolia bag # H-1129 - Chlorine
1543: Chloride spike - Veolia bag vial Hg - # 91
1544: Lead and Hg spikes collected. Veolia bag # L-1164

Spike #2
1646: ~~Chloride~~ ^{Chlorine} spike - Veolia bag # 1646
1647: Hg spike # 36 Lead spike # L-1130
1648: ~~Chloride~~ ^{Chromium} spike collected

Spike #3 all collected at 1843. - Chromium from tank.
Lead # L-480 Hg # vial: 279 Chlorine # H-756
- 1855 Finish Test. Collect spike Archive. Veolia Bag # 5 =
Hg # 299 ; Pb # L-967 ; Chlorine # H-760
Begin clean-up.
- 2000 Depart for Wal-Mart

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Balance ID # 5486

Calibration Checked by	Initials	JHD
	Date	10/8/13

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: _____	20		20.10		
	50		49.98		
	100		99.60		
	200		199.42		
	500		500.04		
	1000		1000.6		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CDS-08B: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LWF-11A-Comp1	Liquid Waste Feed	Phys/Comp	1	1A	10-8-13	1150-1251		0.67 gal (approx.)	
VS2-LWF-11A-Grab 1	Liquid Waste Feed	Archive	1	1A		1152		500 mL	
VS2-LWF-11A-Grab 2	Liquid Waste Feed	Archive	1	1A		1207		500 mL	
VS2-LWF-11A-Grab 3	Liquid Waste Feed	Archive	1	1A		1222		500 mL	
VS2-LWF-11A-Grab 4	Liquid Waste Feed	Archive	1	1A		1236		500 mL	
VS2-LWF-11A-Grab 5	Liquid Waste Feed	Archive	1	1A		1251		"	
VS2-LWF-11A-Grab 6	Liquid Waste Feed	Archive	1	1A					
VS2-LWF-11A-Grab 7	Liquid Waste Feed	Archive	1	1A					
VS2-LWF-11A-Grab 8	Liquid Waste Feed	Archive	1	1A					
VS2-LWF-11B-Comp2A	Liquid Waste Feed	Phys/Comp	1	1B	10-8-13	1542-1639		~0.75 gallons	
VS2-LWF-11B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	1B	10-8-13	1542-1612		~0.75 gallons	
VS2-LWF-11B-Grab 1	Liquid Waste Feed	Archive	1	1B		1542-1655		500 mL	
VS2-LWF-11B-Grab 2	Liquid Waste Feed	Archive	1	1B		1542		"	
VS2-LWF-11B-Grab 3	Liquid Waste Feed	Archive	1	1B		1557		"	
VS2-LWF-11B-Grab 4	Liquid Waste Feed	Archive	1	1B		1612		"	
VS2-LWF-11B-Grab 5	Liquid Waste Feed	Archive	1	1B		1628		"	
VS2-LWF-11B-Grab 6	Liquid Waste Feed	Archive	1	1B		1639		500 mL	Erra Hcl - last sample
VS2-LWF-11B-Grab 7	Liquid Waste Feed	Archive	1	1B		1657		"	
VS2-LWF-11B-Grab 8	Liquid Waste Feed	Archive	1	1B		1713		"	New Filter Test - 1st Sample
VS2-LWF-11B-Grab 9	Liquid Waste Feed	Archive	1	1B		1726		"	Time 1721: Metals start
VS2-LWF-11B-Grab 10	Liquid Waste Feed	Archive	1	1B		1742		500 mL	
VS2-LWF-11B-Grab 11	Liquid Waste Feed	Archive	1	1B		1757		"	
VS2-LWF-11B-Grab 12	Liquid Waste Feed	Archive	1	1B		1812		"	
VS2-LWF-11B-Grab 13	Liquid Waste Feed	Archive	1	1B		1823		"	
VS2-LWF-11B-Grab 14	Liquid Waste Feed	Archive	1	1B		1842		"	Time 1843 - Stop Metals
VS2-LWF-11B-Grab 14	Liquid Waste Feed	Archive	1	1B		1855		"	Test Complete

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Box # / wt (g)

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-CS-11A-Comp1	Containerized Solids	Phys/Comp	1	1A	10-8-13	1550-1250		2595 g	
VS2-CS-11A-Grab 1	Containerized Solids	Archive	1	1A	10-8-13	1150		401	Box # 88-175 Total wt: 2,292g
VS2-CS-11A-Grab 2	Containerized Solids	Archive	1	1A		1205		379	Box # 88-162 (1514g)
VS2-CS-11A-Grab 3	Containerized Solids	Archive	1	1A		1220		453	Box # 88-178 (1511g)
VS2-CS-11A-Grab 4	Containerized Solids	Archive	1	1A		1235		554	# 88-185 (1624g)
VS2-CS-11A-Grab 5	Containerized Solids	Archive	1	1A		1250		434	# 88-193 (2264g)
VS2-CS-11A-Grab 6	Containerized Solids	Archive	1	1A					
VS2-CS-11A-Grab 7	Containerized Solids	Archive	1	1A					
VS2-CS-11A-Grab 8	Containerized Solids	Archive	1	1A					
VS2-CS-11B-Comp2A	Containerized Solids	Phys/Comp	1	1B	10-8-13	1540-1640		2601 g	# 86 (K) (2024)
VS2-CS-11B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	1B		1540-1840		4028 g	
VS2-CS-11B-Comp2C	Containerized Solids	Phys/Comp	1	1B		1540-1855		4436 g	(2054)
VS2-CS-11B-Grab 1	Containerized Solids	Archive	1	1B		1540		472	# 46 (K) (2129)
VS2-CS-11B-Grab 2	Containerized Solids	Archive	1	1B		1555		445	# 55 (2129)
VS2-CS-11B-Grab 3	Containerized Solids	Archive	1	1B		1610		491	# 64 (2134)
VS2-CS-11B-Grab 4	Containerized Solids	Archive	1	1B		1625		452	# 74 (2119)
VS2-CS-11B-Grab 5	Containerized Solids	Archive	1	1B		1640		422	# 84 (1912)
VS2-CS-11B-Grab 6	Containerized Solids	Archive	1	1B		1655		472	# 93 (1641)
VS2-CS-11B-Grab 7	Containerized Solids	Archive	1	1B		1710		460	# 104 (1611)
VS2-CS-11B-Grab 8	Containerized Solids	Archive	1	1B		1725		489	# 113 (2235)
VS2-CS-11B-Grab 9	Containerized Solids	Archive	1	1B		1740		424	# 122 (2081)
VS2-CS-11B-Grab 10	Containerized Solids	Archive	1	1B		1755		496	# 132 (1453)
VS2-CS-11B-Grab 11	Containerized Solids	Archive	1	1B		1810		513	# 141 (1630)
VS2-CS-11B-Grab 12	Containerized Solids	Archive	1	1B		1825		493	# 151 (1552)
VS2-CS-11B-Grab 13	Containerized Solids	Archive	1	1B		1840		483	# 160 (1313)
VS2-CS-11B-Grab 14	Containerized Solids	Archive	1	1B		1855		527	# 169 (1728)

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-11A-Comp1	High Btu Liquid Waste	Phys/Comp	1	1A	10-8-13	1150		no. 67 gallons	
VS2-HBW-11A-Grab 1	High Btu Liquid Waste	Archive	1	1A		1150		500	
VS2-HBW-11A-Grab 2	High Btu Liquid Waste	Archive	1	1A		1205		500ml	
VS2-HBW-11A-Grab 3	High Btu Liquid Waste	Archive	1	1A		1220		"	
VS2-HBW-11A-Grab 4	High Btu Liquid Waste	Archive	1	1A		1235		"	
VS2-HBW-11A-Grab 5	High Btu Liquid Waste	Archive	1	1A		1250		"	
VS2-HBW-11A-Grab 6	High Btu Liquid Waste	Archive	1	1A					
VS2-HBW-11A-Grab 7	High Btu Liquid Waste	Archive	1	1A					
VS2-HBW-11A-Grab 8	High Btu Liquid Waste	Archive	1	1A					
VS2-HBW-11B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	1B	10-8-13	1540-1640		~.75 gal.	
VS2-HBW-11B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	1B		1540-1840		~0.9 gal	
VS2-HBW-11B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	1B		1540-1624		"	
VS2-HBW-11B-Grab 1	High Btu Liquid Waste	Archive	1	1B		1540		500ml	
VS2-HBW-11B-Grab 2	High Btu Liquid Waste	Archive	1	1B		1556		"	
VS2-HBW-11B-Grab 3	High Btu Liquid Waste	Archive	1	1B		1610		"	
VS2-HBW-11B-Grab 4	High Btu Liquid Waste	Archive	1	1B		1626		"	
VS2-HBW-11B-Grab 5	High Btu Liquid Waste	Archive	1	1B		1640		500ml	Last Sample HCl
VS2-HBW-11B-Grab 6	High Btu Liquid Waste	Archive	1	1B		1656		"	
VS2-HBW-11B-Grab 7	High Btu Liquid Waste	Archive	1	1B		1711		"	Time: 1721 metals start
VS2-HBW-11B-Grab 8	High Btu Liquid Waste	Archive	1	1B		1726		500ml	
VS2-HBW-11B-Grab 9	High Btu Liquid Waste	Archive	1	1B		1740		"	
VS2-HBW-11B-Grab 10	High Btu Liquid Waste	Archive	1	1B		1755		"	
VS2-HBW-11B-Grab 11	High Btu Liquid Waste	Archive	1	1B		1810		"	
VS2-HBW-11B-Grab 12	High Btu Liquid Waste	Archive	1	1B		1825		"	
VS2-HBW-11B-Grab 13	High Btu Liquid Waste	Archive	1	1B		1840		"	Time 1843: stop metals
VS2-HBW-11B-Grab 14	High Btu Liquid Waste	Archive	1	1B		1854		"	Test Complete

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-11A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	1A	10-8-13	1152		~0.67 gallons	
VS2-LBW-11A-Grab 1	Low Btu Liquid Waste	Archive	1	1A	10-8-13	1152		500 mL	
VS2-LBW-11A-Grab 2	Low Btu Liquid Waste	Archive	1	1A		1207		500 mL	
VS2-LBW-11A-Grab 3	Low Btu Liquid Waste	Archive	1	1A		1220		"	
VS2-LBW-11A-Grab 4	Low Btu Liquid Waste	Archive	1	1A		1236		"	
VS2-LBW-11A-Grab 5	Low Btu Liquid Waste	Archive	1	1A		1250		500 mL	
VS2-LBW-11A-Grab 6	Low Btu Liquid Waste	Archive	1	1A					
VS2-LBW-11A-Grab 7	Low Btu Liquid Waste	Archive	1	1A					
VS2-LBW-11A-Grab 8	Low Btu Liquid Waste	Archive	1	1A					
VS2-LBW-11B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	1B	10-8-13	1541 - 1610		~.75 gal	
VS2-LBW-11B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	1B		1541 - 1611		~0.8 gal	
VS2-LBW-11B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	1B		1541 - 1614		"	
VS2-LBW-11B-Grab 1	Low Btu Liquid Waste	Archive	1	1B		1541		500 mL	
VS2-LBW-11B-Grab 2	Low Btu Liquid Waste	Archive	1	1B		1557		"	
VS2-LBW-11B-Grab 3	Low Btu Liquid Waste	Archive	1	1B		1611		"	
VS2-LBW-11B-Grab 4	Low Btu Liquid Waste	Archive	1	1B		1627		"	
VS2-LBW-11B-Grab 5	Low Btu Liquid Waste	Archive	1	1B		1640		500 mL	Last sample HCl
VS2-LBW-11B-Grab 6	Low Btu Liquid Waste	Archive	1	1B		1656		"	
VS2-LBW-11B-Grab 7	Low Btu Liquid Waste	Archive	1	1B		1711		"	
VS2-LBW-11B-Grab 8	Low Btu Liquid Waste	Archive	1	1B		1726		500 mL	Time 1721 - Begin metals
VS2-LBW-11B-Grab 9	Low Btu Liquid Waste	Archive	1	1B		1741		"	
VS2-LBW-11B-Grab 10	Low Btu Liquid Waste	Archive	1	1B		1756		"	
VS2-LBW-11B-Grab 11	Low Btu Liquid Waste	Archive	1	1B		1810		"	
VS2-LBW-11B-Grab 12	Low Btu Liquid Waste	Archive	1	1B		1825		"	1843 Time - Stop Metals
VS2-LBW-11B-Grab 13	Low Btu Liquid Waste	Archive	1	1B		1841		"	
VS2-LBW-11B-Grab 14	Low Btu Liquid Waste	Archive	1	1B		1854		"	Finish Test

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-11A-COMP 1
 Operator T40

Date 10/8/13
 Condition No. 1
 Run No 1A
 Start Time _____
 Stop Time _____

(9)

Sample Number	Container ID	Time	Volume/ Mass
1	88-175	1150	500
2	88-162	1205	509
3	88-178	1220	558
4	88-185	1235	512
5	88-193	1250	516
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-1~~1A~~-COMP ~~1A~~ 2A
 Operator T40

Date 10/8/13
 Condition No. 1
 Run No 1B
 Start Time _____
 Stop Time _____

Sample Number	Container ID	Time	Volume/ Mass
1	46	1540	524
2	55	1555	520
3	64	1610	514
4	74	1625	510
5	84	1640	533
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS2-CS-11B-COMP2B
 Operator THO

Date 10/9/13
 Condition No. 1
 Run No 1B
 Start Time _____
 Stop Time _____

Sample Number	Container ID	Time	Volume/ Mass (g)
1	46	1540	307
2	55	1555	340
3	64	1610	306
4	74	1625	304
5	84	1640	312
6	93	1655	325
7	104	1710	320
8	113	1725	300
9	122	1740	311
10	132	1755	305
11	141	1810	307
12	151	1825	322
13	160	1840	309
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/8/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	1B
Stream Name	Containerized Solids (CS)	Start Time	
Composite Sample ID	VS2-CS-1 ^{1B} -COMP ^{1B}	Stop Time	
Operator	THO		

Sample Number	Container ID	Time	Volume/ Mass
1	46	1540	308
2	55	1555	320
3	64	1610	342
4	74	1625	320
5	84	1640	330
6	93	1655	327
7	104	1710	340
8	113	1725	303
9	122	1740	303
10	132	1755	315
11	141	1810	304
12	151	1825	309
13	160	1840	310
14	169	1855	305
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

3 Hr.



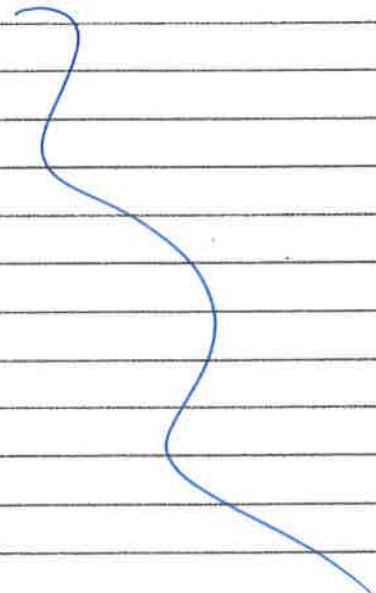
DAILY RECORD OF EVENTS

DATE: 10-9-13	PAGE: OF
NAME: Kati Pritchard (KP) - Cameron Holland (CH) - Teresa Davis (TD)	
TO (FILE/FM): Mike Fuchs	
PROJECT #: 4094 40942525	

CLIENT: Veolia SITE: Sargeat, IL

SUBJECT: Waste Sampling

- 0810 KP/TO/CH Depart hotel. Cameron to OfficeMax for printer cartridge.
KP/TO to site. Weather, sunny high near 80.
- 0820 KP/TO on-site begin to gear-up for daily sampling
- 0840 CH on-site. Hold Tailgate H+S Meeting.
- 0900 Veolia started field. Anticipate sample start ~0930.
- 0945 Begin test 2A-Unit 2
- 1053 Finish test 2A-Comp 1 - Unit 2.
- 1200 Begin Test Unit 2 - Run 2B.
Collect Spiking Materials + split of Cr and Hg for Region 5.
Veolia bag/vial ID #'s = Hg = 1058 Hg split = 1064 Pb = L-427 Chlorine = H-924
- 1311 Stop Testing for apparent hydrocarbon issue in stack.
~~1st test~~ was a Run 2B2A - complete at 1300.
- 1430 Mike Fuchs indicates that we will no longer test today -
problem w/ petrochem hydrocarbons analyzer.
He instructs to throw away all samples from Run 2B.
We proceed.
- 1600 KP/THD/CH depart site. KP/THD to Autozone and Wal-Mart for supplies
- 1745 Arrive at hotel



Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Balance ID 5486

Calibration Checked by	Initials	THD
	Date	10/9/13

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		19.3		
	50		49.5		
	100		99.96		
	200		199.95		
	500		499.75		
	1000		1001.5		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CDS-08B: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name ~~Liquid Waste Feed (LWF)~~
 Composite Sample ID ~~VS2-LWF 1 COMP~~
 Operator _____

Date 10/9/13
 Condition No. 1
 Run No 2A
 Start Time 0945
 Stop Time 1045

VS2-LBW-12A-COMP1-DUP

Sample Number	Time	Volume/Mass
1	0946	500 mL
2	1000	500 mL
3	1017	"
4	1031	"
5	1046	"
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name ~~Liquid Waste Feed (LWF)~~
 Composite Sample ID ~~VS2 LWF 1~~ COMP
 Operator _____

Date 10/9/13
 Condition No. 1
 Run No 2A
 Start Time 0945
 Stop Time 1045

VS2-HBW-12A-COMP1-DUP

Sample Number	Time	Volume/Mass
1	0947	500mL
2	1000	500mL
3	1016	n
4	1030	n
5	1045	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/9/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	2A
Stream Name	Liquid Waste Feed (LWF)	Start Time	0945
Composite Sample ID	VS2-LWF-1 2A COMP 1-DUP	Stop Time	1045
Operator	_____		

Sample Number	Time	Volume/Mass
1	0948	500 mL
2	1001	500 mL
3	1018	"
4	1032	"
5	1047	"
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS2-LWF-1 **2A** COMP **1**
 Operator _____

Date 9/10/13
 Condition No. 1
 Run No 2A
 Start Time 0945
 Stop Time 1045

Sample Number	Time	Volume/Mass
1	0948	500 mL
2	1001	"
3	1018	"
4	1032	"
5	1047	"
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name High Btu Liquid Waste
 Sample Point VS2-HBW-1 **2A** COMP **1**
 Operator _____

Date 10/9/13
 Condition No. 1
 Run No 2A
 Start Time 0945
 Stop Time 1045

Sample Number	Time	Volume/Mass
1	0947	500
2	1000	500mL
3	1016	u
4	1030	u
5	1045	u
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.30-02
 Facility Unit 2
 Stream Name Low Btu Liquid Waste
 Sample Point VS2-LBW-1 **2A**-COMP **1**
 Operator _____

Date 10/7/13
 Condition No. 1
 Run No 2A
 Start Time 0945
 Stop Time 1045

Sample Number	Time	Volume/Mass ^{ml}
1	0946	500 mL
2	1000	500 mL
3	1017	"
4	1031	"
5	1046	"
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/9/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	2A
Stream Name	Containerized Solids (CS)	Start Time	0945
Composite Sample ID	VS2-CS-1 <u>2A</u> -COMP <u>L</u>	Stop Time	1045
Operator	THD		

Sample Number	Container ID	Time	Volume/ Mass
1	88-450	0945	509g
2	88-430	1000	510g
3	88-424	1015	501g
4	88-417	1030	503g
5	88-398	1045	504g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LWF-12A-Comp1	Liquid Waste Feed	Phys/Comp	1	2A	10-9-13	1047		~2500mL	
VS2-LWF-12A-Grab 1	Liquid Waste Feed	Archive	1	2A		0948		500mL	
VS2-LWF-12A-Grab 2	Liquid Waste Feed	Archive	1	2A		1001		500mL	
VS2-LWF-12A-Grab 3	Liquid Waste Feed	Archive	1	2A		1016		"	
VS2-LWF-12A-Grab 4	Liquid Waste Feed	Archive	1	2A		1032		"	
VS2-LWF-12A-Grab 5	Liquid Waste Feed	Archive	1	2A		1047		"	
VS2-LWF-12B-Grab 6	Liquid Waste Feed	Archive	1	2A					
VS2-LWF-12B-Grab 7	Liquid Waste Feed	Archive	1	2A					
VS2-LWF-12B-Grab 8	Liquid Waste Feed	Archive	1	2A					
VS2-LWF-12B-Comp2A	Liquid Waste Feed	Phys/Comp	1	2B	10-9-13	1301		~2400mL	
VS2-LWF-12B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	2B					
VS2-LWF-12B-Comp2C	Liquid Waste Feed	Phys/Comp	1	2B					
VS2-LWF-12B-Grab 1	Liquid Waste Feed	Archive	1	2B	10/9/13	1202		~500mL	
VS2-LWF-12B-Grab 2	Liquid Waste Feed	Archive	1	2B		1217		"	
VS2-LWF-12B-Grab 3	Liquid Waste Feed	Archive	1	2B		1232		560mL	
VS2-LWF-12B-Grab 4	Liquid Waste Feed	Archive	1	2B		1247		5400mL	
VS2-LWF-12B-Grab 5	Liquid Waste Feed	Archive	1	2B		1301		500mL	10/13-11-Stop Testing
VS2-LWF-12B-Grab 6	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 7	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 8	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 9	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 10	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 11	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 12	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 13	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 14	Liquid Waste Feed	Archive	1	2B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

(9)

Box #

Total collected
WT (g)

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-CS-12A-Comp1	Containerized Solids	Phys/Comp	1	2A	10/9/13	1045		2527 g	{ 9
VS2-CS-12A-Grab 1	Containerized Solids	Archive	1	2A	10/9/13	0945		469 g	88-450 (1972g)
VS2-CS-12A-Grab 2	Containerized Solids	Archive	1	2A		1000		517 g	88-430 (1973)
VS2-CS-12A-Grab 3	Containerized Solids	Archive	1	2A		1015		405	88-424 (2214)
VS2-CS-12A-Grab 4	Containerized Solids	Archive	1	2A		1030		525	88-417 (1765)
VS2-CS-12A-Grab 5	Containerized Solids	Archive	1	2A		1045		475	88-398 (1241)
VS2-CS-12A-Grab 6	Containerized Solids	Archive	1	2A					
VS2-CS-12A-Grab 7	Containerized Solids	Archive	1	2A					
VS2-CS-12A-Grab 8	Containerized Solids	Archive	1	2A					
VS2-CS-12B-Comp2A	Containerized Solids	Phys/Comp	1	2B	10/9/13	1300		2518	
VS2-CS-12B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	2B					
VS2-CS-12B-Comp2C	Containerized Solids	Phys/Comp	1	2B					
VS2-CS-12B-Grab 1	Containerized Solids	Archive	1	2B		1200		509	#21 (2063)
VS2-CS-12B-Grab 2	Containerized Solids	Archive	1	2B		1215		480	#31 (1640)
VS2-CS-12B-Grab 3	Containerized Solids	Archive	1	2B		1230		484	#41 (1750)
VS2-CS-12B-Grab 4	Containerized Solids	Archive	1	2B		1245		540	#51 (2044)
VS2-CS-12B-Grab 5	Containerized Solids	Archive	1	2B		1300		487	#59 (2131) NOTE: AF1311 stop testing
VS2-CS-12B-Grab 6	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 7	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 8	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 9	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 10	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 11	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 12	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 13	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 14	Containerized Solids	Archive	1	2B					

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-12A-Comp1	High Btu Liquid Waste	Phys/Comp	1	2A	10/9/13	1045		~2500mL	
VS2-HBW-12A-Grab 1	High Btu Liquid Waste	Archive	1	2A		0947		500mL	
VS2-HBW-12A-Grab 2	High Btu Liquid Waste	Archive	1	2A		1000		500mL	
VS2-HBW-12A-Grab 3	High Btu Liquid Waste	Archive	1	2A		1016		"	
VS2-HBW-12A-Grab 4	High Btu Liquid Waste	Archive	1	2A		1030		"	
VS2-HBW-12A-Grab 5	High Btu Liquid Waste	Archive	1	2A		1045		"	
VS2-HBW-12B-Grab 6	High Btu Liquid Waste	Archive	1	2A					
VS2-HBW-12B-Grab 7	High Btu Liquid Waste	Archive	1	2A					
VS2-HBW-12B-Grab 8	High Btu Liquid Waste	Archive	1	2A					
VS2-HBW-12B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	2B	10/9/13	1300		~2500mL	
VS2-HBW-12B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	2B					
VS2-HBW-12B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	2B					
VS2-HBW-12B-Grab 1	High Btu Liquid Waste	Archive	1	2B		1200		500mL	
VS2-HBW-12B-Grab 2	High Btu Liquid Waste	Archive	1	2B		1216		500mL	
VS2-HBW-12B-Grab 3	High Btu Liquid Waste	Archive	1	2B		1230		500mL	
VS2-HBW-12B-Grab 4	High Btu Liquid Waste	Archive	1	2B		1245		"	
VS2-HBW-12B-Grab 5	High Btu Liquid Waste	Archive	1	2B		1300		500	@ 1311 - Stop Testing
VS2-HBW-12B-Grab 6	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 7	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 8	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 9	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 10	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 11	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 12	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 13	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 14	High Btu Liquid Waste	Archive	1	2B					

Veolia-Sauget, IL - Unit 2 CPT
Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-12A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	2A	10-9-13	1046		~2500ml	
VS2-LBW-12A-Grab 1	Low Btu Liquid Waste	Archive	1	2A		0946		500ml	
VS2-LBW-12A-Grab 2	Low Btu Liquid Waste	Archive	1	2A		1000		500ml	
VS2-LBW-12A-Grab 3	Low Btu Liquid Waste	Archive	1	2A		1017		500ml	
VS2-LBW-12A-Grab 4	Low Btu Liquid Waste	Archive	1	2A		1031		"	
VS2-LBW-12A-Grab 5	Low Btu Liquid Waste	Archive	1	2A		1046		"	
VS2-LBW-12A-Grab 6	Low Btu Liquid Waste	Archive	1	2A					
VS2-LBW-12A-Grab 7	Low Btu Liquid Waste	Archive	1	2A					
VS2-LBW-12A-Grab 8	Low Btu Liquid Waste	Archive	1	2A					
VS2-LBW-12A-Grab 9	Low Btu Liquid Waste	Archive	1	2A					
VS2-LBW-12B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	2B	10/9/13	1301		2500ml	
VS2-LBW-12B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	2B					
VS2-LBW-12B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	2B					
VS2-LBW-12B-Grab 1	Low Btu Liquid Waste	Archive	1	2B		1201		500ml	
VS2-LBW-12B-Grab 2	Low Btu Liquid Waste	Archive	1	2B		1216		500ml	
VS2-LBW-12B-Grab 3	Low Btu Liquid Waste	Archive	1	2B		1231		500ml	
VS2-LBW-12B-Grab 4	Low Btu Liquid Waste	Archive	1	2B		1246		500ml	
VS2-LBW-12B-Grab 5	Low Btu Liquid Waste	Archive	1	2B		1301		500ml	
VS2-LBW-12B-Grab 6	Low Btu Liquid Waste	Archive	1	2B					Time 1311 STOP SAMPLING
VS2-LBW-12B-Grab 7	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 8	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 9	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 10	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 11	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 12	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 13	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 14	Low Btu Liquid Waste	Archive	1	2B					

Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date ⁶	Initials
0.1 N HNO ₃	10/7/13	DI Water	1	3975 ml	11/7/13	DPM
		HNO ₃ (conc.)	2	25 ml		
10% HNO ₃	10/7/13	DI Water	3	450 ml	11/7/13	DPM
		HNO ₃ (conc.)	2	50 ml		
10% H ₂ SO ₄	10/7/13	DI Water	3	900 ml	10/9/13	DPM
		H ₂ SO ₄ (conc.)	4	100 ml		
		KMnO ₄	12	40 gm		
4% KMnO ₄	10/8/13	DI Water	3	617 ml	11/7/13	DPM
		HNO ₃ (conc.)	2	50 ml		
		H ₂ O ₂ (30%)	7	333 ml		
8 N HCl	10/8/13	DI Water	11	155 ml	11/8/13	DPM
		HCl (conc.)	13	345 ml		
10% H ₂ SO ₄	10/8/13	DI Water	14	450 ml	10/10/13	DPM
		H ₂ SO ₄ (conc.)	4	50 ml		
4% KMnO ₄	10/9/13	KMnO ₄	12	20 gm		
10% H ₂ SO ₄	10/9/13	DI Water	14	450 ml	10/11/13	DPM
		H ₂ SO ₄ (conc.)	4	50 ml		
4% KMnO ₄	10/10/13	KMnO ₄	12	20 gm		

Recipes to Make 1 Liter
Sulfuric Acid/Potassium Permanganate
 800 ml Water
 100 ml Concentrated H₂SO₄
 Dilute to 1 L volume
 40 g KMnO₄

Nitric Acid/Hydrogen Peroxide
 500 ml Water
 50 ml concentrated HNO₃
 333 ml 30% H₂O₂
 Dilute to 1 L volume

0.1 N Nitric Acid
 900 ml water
 6.3 ml Concentrated HNO₃
 Dilute to 1 L volume

8N Hydrochloric Acid
 250 ml Water
 690 ml Concentrated HCl
 Dilute to 1 L volume

⁶ Expiration Date is 30 days after preparation except for acidic potassium permanganate solutions. Acidic potassium permanganate solutions expire in 1 day.

Reagent Use Log

Ref No.	Reagent	Manufacturer ¹	Lot Number	Date Opened	Expiration Date ²	Initials
1	DI Water (HPLC)	Pharmco	C130530-WHPLC	10/7/13	10/7/14	DPM
2	HNO ₃ (conc.)	JTB	42516	10/7/13	10/7/14	DPM
3	DI Water (HPLC)	Pharmco	C130530-WHPLC	10/7/13	10/7/14	DPM
4	H ₂ SO ₄ (conc.)	JTB	43557	10/7/13	10/7/14	DPM
5	0.1 N H ₂ SO ₄	JTB	44664	10/7/13	5/2/15	DPM
6	0.1 N NaOH	JTB	52505	10/7/13	7/19/15	DPM
7	H ₂ O ₂ (30%)	JTB	41318	10/7/13	9/30/17	DPM
8	Acetone	^{DPM} JTB Macron	54618	10/7/13	7/11/18	DPM
9	Toluene	JTB	36536	10/7/13	5/22/14	DPM
10	Dichloromethane	Macron	31647	10/7/13	12/4/17	DPM
11	DI Water	Pharmco	C130530-WHPLC	10/7/13	10/7/14	DPM
12	KMnO ₄	JTB	56237	10/8/13	6/24/20	DPM
13	HCl (conc.)	JTB	K24040	10/8/13	10/8/14	DPM
14	DI Water	Pharmco	C130530-WHPLC	10/8/13	10/8/14	DPM
15	Acetone	Macron	54618	10/9/13	7/11/18	DPM
16	DI Water	Pharmco	C130530-WHPLC	10/10/13	10/10/14	DPM
17	Acetone	Macron	54618	10/10/13	7/11/18	DPM
18	0.1 N H ₂ SO ₄	JTB	44664	10/10/13	5/2/15	DPM
19	0.1 N NaOH	JTB	52505	10/10/13	7/19/15	DPM
20	Dichloromethane	Macron	31647	10/11/13	12/4/17	DPM
21	DI Water	Pharmco	C130530-WHPLC	10/11/13	10/10/14	DPM
22	H ₂ O ₂ (30%)	JTB	41318	10/29/13	9/30/17	DPM

¹ This code may be used: JTB = J.T. Baker, Mal = Mallinckrodt; A = Advantors; P = Pharmco, V = VWR, F = Fisher, Mac = Macron
² Expiration Date is as provided by manufacturer or 12 months after opening.

23 DI water Pharmco C130430-WHPLC 10/29/13 10/29/14 DPM

Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date ⁶	Initials
10% H ₂ SO ₄	10/10/13	DI Water	16	900 ml	11/10/13	DPM
		H ₂ SO ₄ (conc.)	4	100 ml		
5% HNO ₃ 10% H ₂ O ₂	10/10/13	DI Water		185 ml	11/10/13	DPM
		H₂SO₄ (conc.)				
		HNO ₃ (conc.)	2	15 ml		
		H ₂ O ₂ (30%)		100 ml		
4% KMnO ₄	10/10/13 @ 1800	10% H ₂ SO ₄	10/10	300 ml	10/11/13 @ 1800	DPM
		KMnO ₄	12	12 gm		
10% HNO ₃	10/29/13	DI Water	4*	180 ml	11/29/13	DPM
		HNO ₃ (conc.)	2	20 ml		
5% HNO ₃ 10% H ₂ O ₂	10/29/13	DI Water	4*	185 ml	11/29/13	DPM
		HNO ₃ (conc.)	2	15 ml		
		H ₂ O ₂ (30%)	2**	100 ml		
5% H ₂ O ₂ HNO ₃ 10% H ₂ O ₂	10/29/13	DI Water	4*	123 ml	11/29/13	DPM
		HNO ₃ (conc.)	2	10 ml		
		H ₂ O ₂ (30%)	2**	67 ml		

Recipes to Make 1 Liter
Sulfuric Acid/Potassium Permanganate
 800 ml Water
 100 ml Concentrated H₂SO₄
 Dilute to 1 L volume
 40 g KMnO₄
Nitric Acid/Hydrogen Peroxide
 500 ml Water
 50 ml concentrated HNO₃
 333 ml 30% H₂O₂
 Dilute to 1 L volume
 0.1 N Nitric Acid
 900 ml water
 6.3 ml Concentrated HNO₃
 Dilute to 1 L volume
8N Hydrochloric Acid
 250 ml Water
 690 ml Concentrated HCl
 Dilute to 1 L volume

⁶ Expiration Date is 30 days after preparation except for acidic potassium permanganate solutions. Acidic potassium permanganate solutions expire in 1 day. +22 5ml

* From Unit 4 Reagent Use Log, Opnd 10/24/13
 ** From Unit 4 Reagent Use Log, Opnd 10/22/13

Reagent Use Log

Ref No.	Reagent	Manufacturer ¹	Lot Number	Date Opened	Expiration Date ²	Initials
24	0.1N NaOH	JTB	5250S	10/29/13	10/29/14	KUMM
25	0.1N H ₂ SO ₄	JTB	44664	10/29/13	10/29/14	KUMM
26	DI Water	Pharmco	C130430-WHMC	10/30/13	10/30/14	DFM

¹ This code may be used: JTB = J.T. Baker, Mal = Mallinckrodt; A = Advantorg; P = Pharmco, V = VWR, F = Fisher, Mac = Macron
² Expiration Date is as provided by manufacturer or 12 months after opening.

Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date ³	Initials
0.1N HNO ₃	10/29/13	DI Water	23	994 ml	11/29/13	DFM
		HNO ₃ (conc)	2	6 ml		
10% H ₂ SO ₄	10/29/13	DI HPLC	23	360 ml	11/29/13	KUMM
		H ₂ SO ₄	6	40 ml		
4% KMnO ₄	10/30/13	KMnO ₄	12	16 g	10/31/13	DFM

Recipes to Make 1 Liter

Sulfuric Acid/Potassium Permanganate
 800 ml Water
 100 ml Concentrated H₂SO₄
 Dilute to 1 L volume
 40 g KMnO₄

Nitric Acid/Hydrogen Peroxide
 500 ml Water
 50 ml concentrated HNO₃
 333 ml 30% H₂O₂
 Dilute to 1 L volume

0.1 N Nitric Acid
 900 ml water
 6.3 ml Concentrated HNO₃
 Dilute to 1 L volume

8N Hydrochloric Acid
 250 ml Water
 690 ml Concentrated HCl
 Dilute to 1 L volume

³ Expiration Date is 30 days after preparation except for acidic potassium permanganate solutions. Acidic potassium permanganate solutions expire in 1 day.

XAD Source Sampling Media Request Form

Form Number: 090413-1

-scan completed document and save on the public drive under Media/PDFs; filename should be the form number. **Send a copy to PM.**

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING
 Knoxville
 5815 Middlebrook Pike
 Knoxville, TN 37921
 865-291-3000

Date of Request: September 16, 2013
 Company: URS, Austin
 Client Project: Veolia, Saugat Unit 2 or 3
 Client PO#: Pending
 Rush Order? No
 Quantums Quote: TBD
 Media Needed By: 9/20/2013
 Project Manager: Kevin Woodcock

Quantity	Media Type	Spiked for Method	Media Check ID
6	Spiked XAD	Dioxin, Supplem. Set: 44737	A 5037
6	Particulate Filter	87.5mm GFF (M0023A)	A 5038

Comments:

Method	Color Code	Amt. Spiked	Conc. And Units	Spike Sol'n ID	Exp. Date	Spiked By/ Date	Verified By
8270C							
Dioxin	N/A	100ug	20ns/m3	DF0240	11/15	CBA 10/21/13	MGR
1668 mod.							
CARB 429							
8081A							
TCO/Grav							

Shipping (include blank COCs and Custody Seals with this shipment. Send temperature blanks where applicable)
 Completed/Shipped by: [Signature]
 Date Shipped: 10/2/13
 Shipping Courier: FedEx
 Tracking Number: _____

Attn: Dave Maxwell Dave Klarich
 Company: URS Corporation Veolia environmental services
 Address 1: 9400 Amberglenn Blvd - 7 Mobile Ave
 Address 2: _____
 City, State, Zip: Austin, TX 78729
 Phone: (512) 419-5797
 Fax: (512) 271-2804
 FedEx Email: dave.maxwell@urs.com
 Lot Number: _____
 Invoice #: _____



DAILY RECORD OF EVENTS

DATE:	10/15/13	PAGE:	1	OF:	
NAME:	Teresa Davis				
TO (FILE/FM):	Mike Fuchs				
PROJECT #:	40942525				

CLIENT:	Veolia	SITE:	Sauget, IL
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SUBJECT: Waste stream sampling - unit 3 incinerator

- 0700 We leave the hotel for the job site.
- 0715 we sign in at the Veolia plant at Sauget, IL.
- 0730 we set up to begin work - run 1A. I hold a
- 1316 ~~we begin Run 1A~~ site safety briefing.
Personnel on site: Teresa Davis
Cameron Holland } URS
Mike Fiebe
- 0815 weather: raining (heavy at times), low 60's
we continue setup.
- 1316 we begin Run 1A. Waste stream sampler is wearing chemical resistant Tyvek and respirator.
- 1425 Run 1A ends - we take last waste stream sample at 1416.
- 1430 we start preparing for run 1B.
- 1450 we fill out COCs for Run 1A.
- 1615 we start Run 1B.
we collect spike samples.
Lead: L-1088 Mercury: 878
Chlorine: H-212 Cr: 120ml amber
- 1720 we collect spike samples - post change.
Lead: L-1034 Mercury: 841
Chlorine: H-630 Cr: 120ml amber
- 1900 we collect spike samples (metals train ends @ 1904)
Lead: L-1000 Hg: 800
Chlorine: H-582 Cr: 120ml amber
- 1904 Metals train ends
- 1934 Run 1B ends.
- 1935 we collect spikes for archive
Lead: L-985 Hg: 758
Chlorine: H-1135 Cr: 120ml amber
- 2000 we leave the site.

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Balance ID #5486

Calibration Checked by	Initials	T#D
	Date	10/15/13

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c	
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		20.42			
	50		49.73			
	100		99.78			
	200		199.92			
	500		500.07			
	1000		1000.2			

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CD-5-08B: Field Balance Calibration
 Per EM SOP-010
 Revision Date: March 2012
 Reviewed: July 2013

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-HBW-11A-Comp1	High Btu Liquid Waste	Phys/Comp	1	1A	10/15/13	1415		3,500 mL	
VS3-HBW-11A-Grab 1	High Btu Liquid Waste	Archive	1	1A	10/15/13	1317		500 mL	
VS3-HBW-11A-Grab 2	High Btu Liquid Waste	Archive	1	1A		1332		500 mL	
VS3-HBW-11A-Grab 3	High Btu Liquid Waste	Archive	1	1A		1347		500 mL	
VS3-HBW-11A-Grab 4	High Btu Liquid Waste	Archive	1	1A		1402		500 mL	
VS3-HBW-11A-Grab 5	High Btu Liquid Waste	Archive	1	1A		1415		500 mL	
VS3-HBW-11A-Grab 6	High Btu Liquid Waste	Archive	1	1A					
VS3-HBW-11A-Grab 7	High Btu Liquid Waste	Archive	1	1A					
VS3-HBW-11A-Grab 8	High Btu Liquid Waste	Archive	1	1A					
VS3-HBW-11B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	1B	10/15/13				
VS3-HBW-11B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	1B					
VS3-HBW-11B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	1B					
VS3-HBW-11B-Grab 1	High Btu Liquid Waste	Archive	1	1B		1616		500 mL	
VS3-HBW-11B-Grab 2	High Btu Liquid Waste	Archive	1	1B		1631			
VS3-HBW-11B-Grab 3	High Btu Liquid Waste	Archive	1	1B		1646			
VS3-HBW-11B-Grab 4	High Btu Liquid Waste	Archive	1	1B		1701			
VS3-HBW-11B-Grab 5	High Btu Liquid Waste	Archive	1	1B		1716			
VS3-HBW-11B-Grab 6	High Btu Liquid Waste	Archive	1	1B		1731			
VS3-HBW-11B-Grab 7	High Btu Liquid Waste	Archive	1	1B		1746			
VS3-HBW-11B-Grab 8	High Btu Liquid Waste	Archive	1	1B		1801			
VS3-HBW-11B-Grab 9	High Btu Liquid Waste	Archive	1	1B		1816			
VS3-HBW-11B-Grab 10	High Btu Liquid Waste	Archive	1	1B		1831			
VS3-HBW-11B-Grab 11	High Btu Liquid Waste	Archive	1	1B		1846			
VS3-HBW-11B-Grab 12	High Btu Liquid Waste	Archive	1	1B		1901			
VS3-HBW-11B-Grab 13	High Btu Liquid Waste	Archive	1	1B		1916			
VS3-HBW-11B-Grab 14	High Btu Liquid Waste	Archive	1	1B		1931			

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1A -COMP 1
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No 1
 Start Time 1317
 Stop Time 1415

Sample Number	Time	Volume/Mass
1	1317	500 mL
2	1332	500 mL
3	1347	500 mL
4	1402	500 mL
5	1415	500 mL
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		


Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-10 -COMPAA
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1616
 Stop Time 1716

Sample Number	Time	Volume/Mass
1	1616	500 mL
2	1631	500 mL
3	1646	
4	1701	
5	1716	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-~~10~~-COMP~~28~~
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1616
 Stop Time 1901

Sample Number	Time	Volume/Mass
1	1616	250 mL
2	1631	
3	1646	
4	1701	
5	1716	
6	1731	
7	1746	
8	1801	
9	1816	
10	1831	
11	1846	
12	1901	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-110 -COMPAC
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1616
 Stop Time 1931

Sample Number	Time	Volume/Mass
1	1616	250 mL
2	1631	
3	1646	
4	1701	
5	1716	
6	1731	
7	1746	
8	1801	
9	1816	
10	1831	
11	1846	
12	1901	
13	1916	
14	1931	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS3-CS-11A-Comp1	Containerized Solids	Phys/Comp	1	9/15/13	1416		2,520g	
VS3-CS-11A-Grab 1	Containerized Solids	Archive	1	9/15/13	1316	CA 10/15/13 1,724g	500g	88-389; 1,724g
VS3-CS-11A-Grab 2	Containerized Solids	Archive	1		1331		500g	88-379; 1,752g
VS3-CS-11A-Grab 3	Containerized Solids	Archive	1		1346		505g	88-341; 1,783g
VS3-CS-11A-Grab 4	Containerized Solids	Archive	1		1401		494g	88-354; 1,819g
VS3-CS-11A-Grab 5	Containerized Solids	Archive	1		1416		502g	88-367; 1,533g
VS3-CS-11A-Grab 6	Containerized Solids	Archive	1					
VS3-CS-11A-Grab 7	Containerized Solids	Archive	1					
VS3-CS-11A-Grab 8	Containerized Solids	Archive	1					
VS3-CS-11B-Comp2A	Containerized Solids	Phys/Comp	1	9/15/13	1715		2,506g	
VS3-CS-11B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	CA 10/15/13	1900		3,619g	
VS3-CS-11B-Comp2C	Containerized Solids	Phys/Comp	1		1930		4,217g	
VS3-CS-11B-Grab 1	Containerized Solids	Archive	1		1615		449g	22; 2,110g
VS3-CS-11B-Grab 2	Containerized Solids	Archive	1		1630		402g	30; 1,868g
VS3-CS-11B-Grab 3	Containerized Solids	Archive	1		1645		489g	40; 1,605g
VS3-CS-11B-Grab 4	Containerized Solids	Archive	1		1700		441g	50; 1,664g
VS3-CS-11B-Grab 5	Containerized Solids	Archive	1		1715		411g	59; 2,658g
VS3-CS-11B-Grab 6	Containerized Solids	Archive	1		1720		410g	67; 1,375g
VS3-CS-11B-Grab 7	Containerized Solids	Archive	1		1745		433g	75; 1,188g
VS3-CS-11B-Grab 8	Containerized Solids	Archive	1		1800		515g	86; 1,440g
VS3-CS-11B-Grab 9	Containerized Solids	Archive	1		1815		413g	97; 1,498g
VS3-CS-11B-Grab 10	Containerized Solids	Archive	1		1830		348g	106; 952g
VS3-CS-11B-Grab 11	Containerized Solids	Archive	1		1845		572g	116; 1,632g
VS3-CS-11B-Grab 12	Containerized Solids	Archive	1		1900		460g	127; 1,546g
VS3-CS-11B-Grab 13	Containerized Solids	Archive	1		1915		504g	135; 1,043g
VS3-CS-11B-Grab 14	Containerized Solids	Archive	1		1930		507g	144; 884g

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-110-COMP2C
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1615
 Stop Time 1930

Sample Number	Container ID	Time	Volume/ Mass
1	22	1615	302g
2	30	1630	301g
3	40	1645	300g
4	50	1700	300g
5	59	1715	302g
6	67	1730	300g
7	75	1745	303g
8	86	1800	300g
9	97	1815	305g
10	106	1830	299g
11	116	1845	302g
12	127	1900	303g
13	135	1915	300g
14	144	1930	300g
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			4,217g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-~~118~~ -COMP~~28~~
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1615
 Stop Time 1900

Sample Number	Container ID	Time	Volume/ Mass
1	22	1615	301g
2	30	1630	300g
3	40	1645	300g
4	50	1700	300g
5	59	1715	300g
6	67	1730	302g
7	75	1745	301g
8	86	1800	305g
9	97	1815	305g
10	106	1830	300g
11	116	1845	305g
12	127	1900	300g
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,619g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/15/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	
Stream Name	Containerized Solids (CS)	Start Time	1615
Composite Sample ID	VS3-CS-1B -COMP2A	Stop Time	1715
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	22	1615	500g
2	30	1630	502g
3	40	1645	503g
4	50	1700	501g
5	59	1715	500g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,506g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-1 A -COMP 1
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No 1
 Start Time 1316
 Stop Time 1416

Sample Number	Container ID	Time	Volume/ Mass
1	88-289	1316	501g
2	88-279	1331	509g
3	88-341	1346	501g
4	88-354	1401	505g
5	88-367	1416	504g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,520g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-1 A -COMP 1
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No 1
 Start Time 1316
 Stop Time 1414

Sample Number	Time	Volume/Mass
1	1316	500 mL
2	1331	500 mL
3	1346	500 mL
4	1401	500 mL
5	1414	500 mL
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-~~10~~-COMP~~2A~~
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1615
 Stop Time 1715

Sample Number	Time	Volume/Mass
1	1615	500 mL
2	1630	500 mL
3	1645	
4	1700	
5	1715	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-~~18~~-COMP~~20~~
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1615
 Stop Time 1900

Sample Number	Time	Volume/Mass	
1	1615	250 mL	
2	1630	250 mL	
3	1645		
4	1700		
5	1715		
6	1730		
7	1745		
8	1800		
9	1815		
10	1830		
11	1845		
12	1900		
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-10 -COMP 25
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No _____
 Start Time 1615
 Stop Time 1930

Sample Number	Time	Volume/Mass
1	^{CH 10/15} 250 1615	250 mL
2	1630	250 mL
3	1645	
4	1700	
5	1715	
6	1730	
7	1745	
8	1800	
9	1815	
10	1830	
11	1845	
12	1900	
13	1915	
14	1930	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LWF-11A-Comp1	Liquid Waste Feed	Phys/Comp	1	1A	10/15/13	1414		2,500 mL	
VS3-LWF-11A-Grab 1	Liquid Waste Feed	Archive	1	1A	10/15/13	1316		500 mL	
VS3-LWF-11A-Grab 2	Liquid Waste Feed	Archive	1	1A		1331		500 mL	
VS3-LWF-11A-Grab 3	Liquid Waste Feed	Archive	1	1A		1346		500 mL	
VS3-LWF-11A-Grab 4	Liquid Waste Feed	Archive	1	1A		1401		500 mL	
VS3-LWF-11A-Grab 5	Liquid Waste Feed	Archive	1	1A		1414		500 mL	
VS3-LWF-11A-Grab 6	Liquid Waste Feed	Archive	1	1A					
VS3-LWF-11A-Grab 7	Liquid Waste Feed	Archive	1	1A					
VS3-LWF-11A-Grab 8	Liquid Waste Feed	Archive	1	1A					
VS3-LWF-11B-Comp2A	Liquid Waste Feed	Phys/Comp	1	1B	10/15/13				
VS3-LWF-11B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	1B					
VS3-LWF-11B-Comp2C	Liquid Waste Feed	Phys/Comp	1	1B					
VS3-LWF-11B-Grab 1	Liquid Waste Feed	Archive	1	1B		1615		500 mL	
VS3-LWF-11B-Grab 2	Liquid Waste Feed	Archive	1	1B		1630			
VS3-LWF-11B-Grab 3	Liquid Waste Feed	Archive	1	1B		1645			
VS3-LWF-11B-Grab 4	Liquid Waste Feed	Archive	1	1B		1700			
VS3-LWF-11B-Grab 5	Liquid Waste Feed	Archive	1	1B		1715			
VS3-LWF-11B-Grab 6	Liquid Waste Feed	Archive	1	1B		1730			
VS3-LWF-11B-Grab 7	Liquid Waste Feed	Archive	1	1B		1745			
VS3-LWF-11B-Grab 8	Liquid Waste Feed	Archive	1	1B		1800			
VS3-LWF-11B-Grab 9	Liquid Waste Feed	Archive	1	1B		1815			
VS3-LWF-11B-Grab 10	Liquid Waste Feed	Archive	1	1B		1830			
VS3-LWF-11B-Grab 11	Liquid Waste Feed	Archive	1	1B		1845			
VS3-LWF-11B-Grab 12	Liquid Waste Feed	Archive	1	1B		1900			
VS3-LWF-11B-Grab 13	Liquid Waste Feed	Archive	1	1B		1915			
VS3-LWF-11B-Grab 14	Liquid Waste Feed	Archive	1	1B		1930			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LBW-11A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	1A	9/16/13	1416		2,500 mL	
VS3-LBW-11A-Grab 1	Low Btu Liquid Waste	Archive	1	1A	9/16/13	1318		500 mL	
VS3-LBW-11A-Grab 2	Low Btu Liquid Waste	Archive	1	1A		1333			
VS3-LBW-11A-Grab 3	Low Btu Liquid Waste	Archive	1	1A		1348			
VS3-LBW-11A-Grab 4	Low Btu Liquid Waste	Archive	1	1A		1403			
VS3-LBW-11A-Grab 5	Low Btu Liquid Waste	Archive	1	1A		1416			
VS3-LBW-11A-Grab 6	Low Btu Liquid Waste	Archive	1	1A					
VS3-LBW-11A-Grab 7	Low Btu Liquid Waste	Archive	1	1A					
VS3-LBW-11A-Grab 8	Low Btu Liquid Waste	Archive	1	1A					
VS3-LBW-11B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	1B	9/16/13				
VS3-LBW-11B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	1B					
VS3-LBW-11B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	1B					
VS3-LBW-11B-Grab 1	Low Btu Liquid Waste	Archive	1	1B		1617		500 mL	
VS3-LBW-11B-Grab 2	Low Btu Liquid Waste	Archive	1	1B		1632			
VS3-LBW-11B-Grab 3	Low Btu Liquid Waste	Archive	1	1B		1647			
VS3-LBW-11B-Grab 4	Low Btu Liquid Waste	Archive	1	1B		1702			
VS3-LBW-11B-Grab 5	Low Btu Liquid Waste	Archive	1	1B		1717			
VS3-LBW-11B-Grab 6	Low Btu Liquid Waste	Archive	1	1B		1732			
VS3-LBW-11B-Grab 7	Low Btu Liquid Waste	Archive	1	1B		1747			
VS3-LBW-11B-Grab 8	Low Btu Liquid Waste	Archive	1	1B		1802			
VS3-LBW-11B-Grab 9	Low Btu Liquid Waste	Archive	1	1B		1817			
VS3-LBW-11B-Grab 10	Low Btu Liquid Waste	Archive	1	1B		1832			
VS3-LBW-11B-Grab 11	Low Btu Liquid Waste	Archive	1	1B		1847			
VS3-LBW-11B-Grab 12	Low Btu Liquid Waste	Archive	1	1B		1902			
VS3-LBW-11B-Grab 13	Low Btu Liquid Waste	Archive	1	1B		1917			
VS3-LBW-11B-Grab 14	Low Btu Liquid Waste	Archive	1	1B		1932			

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-118 -COMP2C
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No. _____
 Start Time 1617
 Stop Time 1932

Sample Number	Time	Volume/Mass
1	1617	250 mL
2	1632	
3	1647	
4	1702	
5	1717	
6	1732	
7	1747	
8	1802	
9	1817	
10	1832	
11	1847	
12	1902	
13	1917	
14	1932	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-118-COMP28
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No. _____
 Start Time 1617
 Stop Time 1902

Sample Number	Time	Volume/Mass
1	1617	250 mL
2	1632	
3	1647	
4	1702	
5	1717	
6	1732	
7	1747	
8	1802	
9	1817	
10	1832	
11	1847	
12	1902	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-118 -COMP 2A
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No. _____
 Start Time 1617
 Stop Time 1717

Sample Number	Time	Volume/Mass
1	1617	500 mL 2.4 tons
2	1633	<div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div> <div style="font-size: 2em;"> </div>
3	1647	
4	1702	
5	1717	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-1A-COMP 1
 Operator _____

Date 10/15/13
 Condition No. 1
 Run No. 1
 Start Time 1318
 Stop Time 1416

Sample Number	Time	Volume/Mass
1	1318	500 mL
2	1333	500 mL
3	1348	500 mL
4	1403	500 mL
5	1416	500 mL
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.



DAILY RECORD OF EVENTS

DATE:	10/16/13	PAGE	1	OF	
NAME:	Teresa Davis				
TO (FILE/FM):	Mike Fuchs				
PROJECT #:	40942525				

CLIENT:	Veolia	SITE:	Sanget, IL
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SUBJECT: Waste stream sampling - unit 3 incinerator

0650 we leave the hotel.

0700 we stop to get supplies.

0730 we arrive at the job site. I hold a site safety briefing.

weather Personnel on site: Teresa Davis
Cameron Holland } URS
Mike Priebe

0745 we start setting up for today's sampling.

1115 Run 2A starts.

1225 Run 2A ends - we take last sample at 1215.

1400 Start Run 2B.

Collect spikes:

Lead: L-663 Hg: 421

Cl-: H-1174 Cr: 120 ml amber

1500 Composite 2A ends.

1503 collect spikes

Lead: L-629 Hg: 364

Cl-: H-415 Cr: 120 ml amber

1650 Metals train ends / composite 2B ends.

collect spikes.

Lead: L-936 Hg: 304

Cl-: H-300 Cr: 120 ml amber

1720 D + F's end - / composite 2C ends

collect spikes

Lead: L-924 Hg: 318

Cl-: H-292 Cr: 120 ml amber

1730 we clean the site and organize the samples.

1800 we leave the site.

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Balance ID 5486

Calibration Checked by	Initials	<u>MP</u>
	Date	<u>10/16/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		<u>20.3</u>		
	50		<u>50.2</u>		
	100		<u>100.5</u>		
	200		<u>200.7</u>		
	500		<u>500.3</u>		
	1000		<u>1001.1</u>		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CDS-08B: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS3-HBW-12A-Comp1	High Btu Liquid Waste	Phys/Comp	1	10/16/13	1216		2,500 mL	
VS3-HBW-12A-Grab 1	High Btu Liquid Waste	Archive	1	2A	1116		500 mL	
VS3-HBW-12A-Grab 2	High Btu Liquid Waste	Archive	1	2A	1131			
VS3-HBW-12A-Grab 3	High Btu Liquid Waste	Archive	1	2A	1146			
VS3-HBW-12A-Grab 4	High Btu Liquid Waste	Archive	1	2A	1201			
VS3-HBW-12A-Grab 5	High Btu Liquid Waste	Archive	1	2A	1216			
VS3-HBW-12A-Grab 6	High Btu Liquid Waste	Archive	1	2A				
VS3-HBW-12A-Grab 7	High Btu Liquid Waste	Archive	1	2A				
VS3-HBW-12A-Grab 8	High Btu Liquid Waste	Archive	1	2A				
VS3-HBW-12B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	10/16/13	1501		2,500 mL	
VS3-HBW-12B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	2B	1646		3,000 mL	
VS3-HBW-12B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	2B	1716		3,500 mL	
VS3-HBW-12B-Grab 1	High Btu Liquid Waste	Archive	1	2B	1400		500 mL	
VS3-HBW-12B-Grab 2	High Btu Liquid Waste	Archive	1	2B	1416			
VS3-HBW-12B-Grab 3	High Btu Liquid Waste	Archive	1	2B	1431			
VS3-HBW-12B-Grab 4	High Btu Liquid Waste	Archive	1	2B	1446			
VS3-HBW-12B-Grab 5	High Btu Liquid Waste	Archive	1	2B	1501			
VS3-HBW-12B-Grab 6	High Btu Liquid Waste	Archive	1	2B	1516			
VS3-HBW-12B-Grab 7	High Btu Liquid Waste	Archive	1	2B	1531			
VS3-HBW-12B-Grab 8	High Btu Liquid Waste	Archive	1	2B	1546			
VS3-HBW-12B-Grab 9	High Btu Liquid Waste	Archive	1	2B	1601			
VS3-HBW-12B-Grab 10	High Btu Liquid Waste	Archive	1	2B	1616			
VS3-HBW-12B-Grab 11	High Btu Liquid Waste	Archive	1	2B	1631			
VS3-HBW-12B-Grab 12	High Btu Liquid Waste	Archive	1	2B	1646			
VS3-HBW-12B-Grab 13	High Btu Liquid Waste	Archive	1	2B	1701			
VS3-HBW-12B-Grab 14	High Btu Liquid Waste	Archive	1	2B	1716			

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-12A-COMP 1
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2A
 Start Time 1116
 Stop Time 1216

Sample Number	Time	Volume/Mass
1	1116	500 mL
2	1131	
3	1146	
4	1201	
5	1216	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~2B~~-COMP~~2A~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2B
 Start Time 1401
 Stop Time 1501

Sample Number	Time	Volume/Mass
1	1401	500ml
2	1416	↓
3	1431	↓
4	1446	↓
5	1501	↓
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2500ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~20~~-COMP ~~20~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2B
 Start Time 1401
 Stop Time 1646

Sample Number	Time	Volume/Mass	
1	1401	250 ml	
2	1416		
3	1431		
4	1446		
5	1501		
6	1516		
7	1531		
8	1546		
9	1601		
10	1616		
11	1631		
12	1646		v
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		<u>3000 ml</u>

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~ab~~-COMP~~ac~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2B
 Start Time 1401
 Stop Time 1716

Sample Number	Time	Volume/Mass
1	1401	250ml
2	1416	
3	1431	
4	1446	
5	1501	
6	1516	
7	1531	
8	1546	
9	1601	
10	1616	
11	1631	
12	1646	
13	1701	
14	1716	↓
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3500ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-CS-12A-Comp1	Containerized Solids	Phys/Comp	1	2A	10/16/13	1215		2,510g	
VS3-CS-12A-Grab 1	Containerized Solids	Archive	1	2A		1115		516g	88-47; 1,469g
VS3-CS-12A-Grab 2	Containerized Solids	Archive	1	2A		1130		435g	88-29; 1,080g
VS3-CS-12A-Grab 3	Containerized Solids	Archive	1	2A		1146		432g	88-20; 965g
VS3-CS-12A-Grab 4	Containerized Solids	Archive	1	2A		1200		517g	88-3 2,023g
VS3-CS-12A-Grab 5	Containerized Solids	Archive	1	2A		1215		490g	88-370; 1,151g
VS3-CS-12A-Grab 6	Containerized Solids	Archive	1	2A					
VS3-CS-12A-Grab 7	Containerized Solids	Archive	1	2A					
VS3-CS-12A-Grab 8	Containerized Solids	Archive	1	2A					
VS3-CS-12B-Comp2A	Containerized Solids	Phys/Comp	1	2B	10/16/13	1500		2513g	
VS3-CS-12B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	2B		1700	1645	3676g	
VS3-CS-12B-Comp2C	Containerized Solids	Phys/Comp	1	2B		1715		4267g	
VS3-CS-12B-Grab 1	Containerized Solids	Archive	1	2B	10/16	1400		1520g	#22, 1529
VS3-CS-12B-Grab 2	Containerized Solids	Archive	1	2B		1415		500	#32, 1945
VS3-CS-12B-Grab 3	Containerized Solids	Archive	1	2B		1430		502	#42, 2082
VS3-CS-12B-Grab 4	Containerized Solids	Archive	1	2B		1445		494	#51, 1938
VS3-CS-12B-Grab 5	Containerized Solids	Archive	1	2B		1500		490	#60, 1814
VS3-CS-12B-Grab 6	Containerized Solids	Archive	1	2B		1515		500	#70, 1720
VS3-CS-12B-Grab 7	Containerized Solids	Archive	1	2B		1530		501	#81, 1643
VS3-CS-12B-Grab 8	Containerized Solids	Archive	1	2B		1545		494	#89, 1790
VS3-CS-12B-Grab 9	Containerized Solids	Archive	1	2B		1600		502	#98, 1824
VS3-CS-12B-Grab 10	Containerized Solids	Archive	1	2B		1615		523	#110, 1805
VS3-CS-12B-Grab 11	Containerized Solids	Archive	1	2B		1630		500	#117, 1800
VS3-CS-12B-Grab 12	Containerized Solids	Archive	1	2B		1645		497	#127, 1986
VS3-CS-12B-Grab 13	Containerized Solids	Archive	1	2B		1700		501	#136, 1691
VS3-CS-12B-Grab 14	Containerized Solids	Archive	1	2B		1715		498	#145, 1741

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-12B-COMP 2C
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2B
 Start Time 1400
 Stop Time 1715

Sample Number	Container ID	Time	Volume/ Mass
1	22	1400	305
2	32	1415	316
3	42	1430	310
4	51	1445	300
5	60	1500	299
6	70	1515	300
7	81	1530	315
8	89	1545	299
9	98	1600	299
10	110	1615	305
11	117	1630	310
12	127	1645	309
13	136	1700	305
14	145	1715	295
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			4267

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/16/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	20
Stream Name	Containerized Solids (CS)	Start Time	1400
Composite Sample ID	VS3-CS-1 20 -COMP 20	Stop Time	1645
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	22	1400	304
2	32	1415	299
3	42	1430	334
4	51	1445	308
5	60	1500	328
6	70	1515	299
7	81	1530	311
8	89	1545	290
9	98	1600	295
10	110	1615	298
11	117	1630	305
12	127	1645	305
13	126	1700	
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/16/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	28
Stream Name	Containerized Solids (CS)	Start Time	1400
Composite Sample ID	VS3-CS-1 28 -COMP 2A	Stop Time	1500
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	22	1400	497 505
2	32	1415	499
3	42	1430	509
4	51	1445	503
5	60	1500	497
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2513g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-12A-COMP 1
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2A
 Start Time 1115
 Stop Time 1215

Sample Number	Container ID	Time	Volume/ Mass
1	88-47	1115	503g
2	88-29	1130	502g
3	88-20	1145	502g
4	88-3	1200	502g
5	88-370	1215	501g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,510g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LWF-12A-Comp1	Liquid Waste Feed	Phys/Comp	1	2A	10/16/13	1215		3500 mL	
VS3-LWF-12A-Grab 1	Liquid Waste Feed	Archive	1	2A		1115		500 mL	
VS3-LWF-12A-Grab 2	Liquid Waste Feed	Archive	1	2A		1130			
VS3-LWF-12A-Grab 3	Liquid Waste Feed	Archive	1	2A		1145			
VS3-LWF-12A-Grab 4	Liquid Waste Feed	Archive	1	2A		1200			
VS3-LWF-12A-Grab 5	Liquid Waste Feed	Archive	1	2A		1215			
VS3-LWF-12A-Grab 6	Liquid Waste Feed	Archive	1	2A					
VS3-LWF-12A-Grab 7	Liquid Waste Feed	Archive	1	2A					
VS3-LWF-12A-Grab 8	Liquid Waste Feed	Archive	1	2A					
VS3-LWF-12B-Comp2A	Liquid Waste Feed	Phys/Comp	1	2B	10/16/13	1500		2500 mL	
VS3-LWF-12B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	2B		1645		3000 mL	
VS3-LWF-12B-Comp2C	Liquid Waste Feed	Phys/Comp	1	2B		1715		3500 mL	
VS3-LWF-12B-Grab 1	Liquid Waste Feed	Archive	1	2B	10/16/13	1400		500 mL	
VS3-LWF-12B-Grab 2	Liquid Waste Feed	Archive	1	2B		1415			
VS3-LWF-12B-Grab 3	Liquid Waste Feed	Archive	1	2B		1430			
VS3-LWF-12B-Grab 4	Liquid Waste Feed	Archive	1	2B		1445			
VS3-LWF-12B-Grab 5	Liquid Waste Feed	Archive	1	2B		1500			
VS3-LWF-12B-Grab 6	Liquid Waste Feed	Archive	1	2B		1515			
VS3-LWF-12B-Grab 7	Liquid Waste Feed	Archive	1	2B		1530			
VS3-LWF-12B-Grab 8	Liquid Waste Feed	Archive	1	2B		1545			
VS3-LWF-12B-Grab 9	Liquid Waste Feed	Archive	1	2B		1600			
VS3-LWF-12B-Grab 10	Liquid Waste Feed	Archive	1	2B		1615			
VS3-LWF-12B-Grab 11	Liquid Waste Feed	Archive	1	2B		1630			
VS3-LWF-12B-Grab 12	Liquid Waste Feed	Archive	1	2B		1645			
VS3-LWF-12B-Grab 13	Liquid Waste Feed	Archive	1	2B		1700			
VS3-LWF-12B-Grab 14	Liquid Waste Feed	Archive	1	2B		1715			

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-1~~ab~~-COMP~~ab~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2B
 Start Time 1400
 Stop Time 1645

Sample Number	Time	Volume/Mass
1	1400	250 ml
2	1415	
3	1430	
4	1445	
5	1500	
6	1515	
7	1530	
8	1545	
9	1600	
10	1615	
11	1630	
12	1645	✓
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3000 ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-1~~AB~~-COMP~~AC~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 20
 Start Time 1400
 Stop Time 1715

Sample Number	Time	Volume/Mass
1	1400	250ml
2	1415	
3	1430	
4	1445	
5	1500	
6	1515	
7	1530	
8	1545	
9	1600	
10	1615	
11	1630	
12	1645	
13	1700	
14	1715	✓
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3200ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-1~~ab~~-COMP~~aa~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No ab
 Start Time 1400
 Stop Time 1500

Sample Number	Time	Volume/Mass
1	1400	500
2	1415	"
3	1430	"
4	1445	"
5	1500	"
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2500 ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-12A-COMP 1
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2A
 Start Time 1115
 Stop Time 1215

Sample Number	Time	Volume/Mass
1	1115	500 mL
2	1130	
3	1145	
4	1200	
5	1215	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT
Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LBW-12A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	2A	10/16/13	1217		2,500 mL	
VS3-LBW-12A-Grab 1	Low Btu Liquid Waste	Archive	1	2A		1117		500 mL	
VS3-LBW-12A-Grab 2	Low Btu Liquid Waste	Archive	1	2A		1132			
VS3-LBW-12A-Grab 3	Low Btu Liquid Waste	Archive	1	2A		1147			
VS3-LBW-12A-Grab 4	Low Btu Liquid Waste	Archive	1	2A		1202			
VS3-LBW-12A-Grab 5	Low Btu Liquid Waste	Archive	1	2A		1217			
VS3-LBW-12A-Grab 6	Low Btu Liquid Waste	Archive	1	2A					
VS3-LBW-12A-Grab 7	Low Btu Liquid Waste	Archive	1	2A					
VS3-LBW-12A-Grab 8	Low Btu Liquid Waste	Archive	1	2A					
VS3-LBW-12B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	2B		1502		2500 mL	
VS3-LBW-12B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	2B	10/16/13	1502	1647	2500 mL	3000 mL
VS3-LBW-12B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	2B		1717		3500 mL	
VS3-LBW-12B-Grab 1	Low Btu Liquid Waste	Archive	1	2B		1402		500 mL	
VS3-LBW-12B-Grab 2	Low Btu Liquid Waste	Archive	1	2B		1417			
VS3-LBW-12B-Grab 3	Low Btu Liquid Waste	Archive	1	2B		1432			
VS3-LBW-12B-Grab 4	Low Btu Liquid Waste	Archive	1	2B		1447			
VS3-LBW-12B-Grab 5	Low Btu Liquid Waste	Archive	1	2B		1502			
VS3-LBW-12B-Grab 6	Low Btu Liquid Waste	Archive	1	2B		1517			
VS3-LBW-12B-Grab 7	Low Btu Liquid Waste	Archive	1	2B		1532			
VS3-LBW-12B-Grab 8	Low Btu Liquid Waste	Archive	1	2B		1547			
VS3-LBW-12B-Grab 9	Low Btu Liquid Waste	Archive	1	2B		1602			
VS3-LBW-12B-Grab 10	Low Btu Liquid Waste	Archive	1	2B		1617			
VS3-LBW-12B-Grab 11	Low Btu Liquid Waste	Archive	1	2B		1632			
VS3-LBW-12B-Grab 12	Low Btu Liquid Waste	Archive	1	2B		1647			
VS3-LBW-12B-Grab 13	Low Btu Liquid Waste	Archive	1	2B		1702			
VS3-LBW-12B-Grab 14	Low Btu Liquid Waste	Archive	1	2B		1717			

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-12A-COMP 1
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2A
 Start Time 1117
 Stop Time 1217

Sample Number	Time	Volume/Mass
1	1117	500 mL
2	1132	
3	1147	
4	1202	
5	1217	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-1 ~~AB~~ COMP ~~AA~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2B
 Start Time 1402
 Stop Time 1502

Sample Number	Time	Volume/Mass
1	1402	500ml
2	1417	↓
3	1432	
4	1447	
5	1502	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2500ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-1~~AB~~-COMP~~AB~~
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 28
 Start Time 1402
 Stop Time 1647

Sample Number	Time	Volume/Mass
1	1402	250 ml
2	1417	↓
3	1432	
4	1447	
5	1502	
6	1517	
7	1532	
8	1547	
9	1602	
10	1617	
11	1632	
12	1647	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3000 ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-12B-COMP 2C
 Operator _____

Date 10/16/13
 Condition No. 1
 Run No 2B
 Start Time 1402
 Stop Time 1717

Sample Number	Time	Volume/Mass
1	1402	250ml
2	1417	
3	1432	
4	1447	
5	1502	
6	1517	
7	1532	
8	1547	
9	1602	
10	1617	
11	1632	
12	1647	
13	1702	
14	1717	✓
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3500ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.



DAILY RECORD OF EVENTS

DATE:	10/17/13	PAGE	1	OF
NAME:	Teresa Davis			
TO (FILE/PM):	Mike Fuchs			
PROJECT #:	40942525			

CLIENT:	Veolia	SITE:	Sauget, IL
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SUBJECT: Unit 3 Waste Incinerator sampling

0700 We leave for the job site.

0715 We arrive at Veolia Env. in Sauget, IL. I hold a site safety briefing.

Personnel on site: Teresa Davis
 weather: cloudy, 50° Cameron Holland } URS
 Mike Priebe

0725 We start preparing for the day's activities.

0800 We prepare paperwork and update COCs.

0950 We start Run 3A - Unit 3 incinerator.

1057 Run 3A ends - we collect last waste sample at 1050.

1230 Run 3B begins. collect spike samples.
 Cl: H-307 Pb: L-286 Hg: 585

1330 Collect Comp 2A; collect spike samples @ 1335
 Cl: H-144 Pb: L-235 Hg: 559

1515 Sample Comp 2B; collect spike samples and EPA spike splits @ 1520
 Cl: H-568 Pb: L-99 Hg: 458
 EPA - Cl: H-559 Pb: L-76 Hg: 462

1545 Collect sample Comp C

1555 Collect Archive Spike Samples; Ds and Ps train complete
 Cl: H-569 Pb: L-72 Hg: 481

1600 Split 1st 3 spike samples w/ EPA representative.

1630 We start organizing samples and updating COCs.

1710 We leave the site.

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-CS-13A-Comp1	Containerized Solids	Phys/Comp	1	3A	10/17/13	0950			
VS3-CS-13A-Grab 1	Containerized Solids	Archive	1	3A		0950		517	88-390, 1649
VS3-CS-13A-Grab 2	Containerized Solids	Archive	1	3A		1005		497	88-7, 1552
VS3-CS-13A-Grab 3	Containerized Solids	Archive	1	3A		1020		514	88-14, 1759
VS3-CS-13A-Grab 4	Containerized Solids	Archive	1	3A		1035		491	88-24, 1400
VS3-CS-13A-Grab 5	Containerized Solids	Archive	1	3A		1050		500	88-33, 1800
VS3-CS-13A-Grab 6	Containerized Solids	Archive	1	3A					
VS3-CS-13A-Grab 7	Containerized Solids	Archive	1	3A					
VS3-CS-13A-Grab 8	Containerized Solids	Archive	1	3A					
VS3-CS-13B-Comp2A	Containerized Solids	Phys/Comp	1	3B	10/17/13	1320		2,512g	
VS3-CS-13B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	3B		1515		3,613g	
VS3-CS-13B-Comp2C	Containerized Solids	Phys/Comp	1	3B		13415		3,738g	
VS3-CS-13B-Grab 1	Containerized Solids	Archive	1	3B		1230		494g	22, 1,847g
VS3-CS-13B-Grab 2	Containerized Solids	Archive	1	3B		1245		506g	29, 2,160g
VS3-CS-13B-Grab 3	Containerized Solids	Archive	1	3B		1300		508g	39, 1,766g
VS3-CS-13B-Grab 4	Containerized Solids	Archive	1	3B		1315		500g	50, 2,277g
VS3-CS-13B-Grab 5	Containerized Solids	Archive	1	3B		1330		500g	60, 2,085g
VS3-CS-13B-Grab 6	Containerized Solids	Archive	1	3B		1345		514g	69, 1,847g
VS3-CS-13B-Grab 7	Containerized Solids	Archive	1	3B		1400		500g	79, 2,249g
VS3-CS-13B-Grab 8	Containerized Solids	Archive	1	3B		1415		617g	89, 1,950g
VS3-CS-13B-Grab 9	Containerized Solids	Archive	1	3B		1430		493g	98, 1,599g
VS3-CS-13B-Grab 10	Containerized Solids	Archive	1	3B		1446		507g	107, 1,818g
VS3-CS-13B-Grab 11	Containerized Solids	Archive	1	3B		1500		528g	117, 1,563g
VS3-CS-13B-Grab 12	Containerized Solids	Archive	1	3B		1515		505g	127, 1,845g
VS3-CS-13B-Grab 13	Containerized Solids	Archive	1	3B		1530		506g	136, 1,759g
VS3-CS-13B-Grab 14	Containerized Solids	Archive	1	3B		1545		528g	145, 1,555g

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LWF-13A-Comp1	Liquid Waste Feed	Phys/Comp	1	3A	10/17/13	1050		2500ml	
VS3-LWF-13A-Grab 1	Liquid Waste Feed	Archive	1	3A		0950		500ml	
VS3-LWF-13A-Grab 2	Liquid Waste Feed	Archive	1	3A		1005			
VS3-LWF-13A-Grab 3	Liquid Waste Feed	Archive	1	3A		1020			
VS3-LWF-13A-Grab 4	Liquid Waste Feed	Archive	1	3A		1035			
VS3-LWF-13A-Grab 5	Liquid Waste Feed	Archive	1	3A		1050			
VS3-LWF-13A-Grab 6	Liquid Waste Feed	Archive	1	3A					
VS3-LWF-13A-Grab 7	Liquid Waste Feed	Archive	1	3A					
VS3-LWF-13A-Grab 8	Liquid Waste Feed	Archive	1	3A					
VS3-LWF-13B-Comp2A	Liquid Waste Feed	Phys/Comp	1	3B	10/17/13	1330		2,500ml	
VS3-LWF-13B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	3B		1515		3,000ml	
VS3-LWF-13B-Comp2C	Liquid Waste Feed	Phys/Comp	1	3B		1545		3,000ml	
VS3-LWF-13B-Grab 1	Liquid Waste Feed	Archive	1	3B		1230		500ml	
VS3-LWF-13B-Grab 2	Liquid Waste Feed	Archive	1	3B		1245			
VS3-LWF-13B-Grab 3	Liquid Waste Feed	Archive	1	3B		1300			
VS3-LWF-13B-Grab 4	Liquid Waste Feed	Archive	1	3B		1315			
VS3-LWF-13B-Grab 5	Liquid Waste Feed	Archive	1	3B		1330			
VS3-LWF-13B-Grab 6	Liquid Waste Feed	Archive	1	3B		1345			
VS3-LWF-13B-Grab 7	Liquid Waste Feed	Archive	1	3B		1400			
VS3-LWF-13B-Grab 8	Liquid Waste Feed	Archive	1	3B		1415			
VS3-LWF-13B-Grab 9	Liquid Waste Feed	Archive	1	3B		1430			
VS3-LWF-13B-Grab 10	Liquid Waste Feed	Archive	1	3B		1445			
VS3-LWF-13B-Grab 11	Liquid Waste Feed	Archive	1	3B		1500			
VS3-LWF-13B-Grab 12	Liquid Waste Feed	Archive	1	3B		1515			
VS3-LWF-13B-Grab 13	Liquid Waste Feed	Archive	1	3B		1530			
VS3-LWF-13B-Grab 14	Liquid Waste Feed	Archive	1	3B		1545			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-HBW-13A-Comp1	High Btu Liquid Waste	Phys/Comp	1	3A	10/17/13	1051		2500 ml	
VS3-HBW-13A-Grab 1	High Btu Liquid Waste	Archive	1	3A		0851		500 ml	
VS3-HBW-13A-Grab 2	High Btu Liquid Waste	Archive	1	3A		1006			
VS3-HBW-13A-Grab 3	High Btu Liquid Waste	Archive	1	3A		1021			
VS3-HBW-13A-Grab 4	High Btu Liquid Waste	Archive	1	3A		1036			
VS3-HBW-13A-Grab 5	High Btu Liquid Waste	Archive	1	3A		1051			
VS3-HBW-13A-Grab 6	High Btu Liquid Waste	Archive	1	3A					
VS3-HBW-13A-Grab 7	High Btu Liquid Waste	Archive	1	3A					
VS3-HBW-13A-Grab 8	High Btu Liquid Waste	Archive	1	3A					
VS3-HBW-13B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	3B	10/17/13	1331		2500 ml	
VS3-HBW-13B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	3B		1516		3000 ml	
VS3-HBW-13B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	3B		1546		3000 ml	
VS3-HBW-13B-Grab 1	High Btu Liquid Waste	Archive	1	3B		1231		500 mL	
VS3-HBW-13B-Grab 2	High Btu Liquid Waste	Archive	1	3B		1246			
VS3-HBW-13B-Grab 3	High Btu Liquid Waste	Archive	1	3B		1301			
VS3-HBW-13B-Grab 4	High Btu Liquid Waste	Archive	1	3B		1316			
VS3-HBW-13B-Grab 5	High Btu Liquid Waste	Archive	1	3B		1331			
VS3-HBW-13B-Grab 6	High Btu Liquid Waste	Archive	1	3B		1346			
VS3-HBW-13B-Grab 7	High Btu Liquid Waste	Archive	1	3B		1401			
VS3-HBW-13B-Grab 8	High Btu Liquid Waste	Archive	1	3B		1416			
VS3-HBW-13B-Grab 9	High Btu Liquid Waste	Archive	1	3B		1431			
VS3-HBW-13B-Grab 10	High Btu Liquid Waste	Archive	1	3B		1446			
VS3-HBW-13B-Grab 11	High Btu Liquid Waste	Archive	1	3B		1501			
VS3-HBW-13B-Grab 12	High Btu Liquid Waste	Archive	1	3B		1516			
VS3-HBW-13B-Grab 13	High Btu Liquid Waste	Archive	1	3B		1531			
VS3-HBW-13B-Grab 14	High Btu Liquid Waste	Archive	1	3B		1546			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT
Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LBW-13A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	3A	10/17/13	1052		2500 ml	
VS3-LBW-13A-Grab 1	Low Btu Liquid Waste	Archive	1	3A		1052		500 ml	
VS3-LBW-13A-Grab 2	Low Btu Liquid Waste	Archive	1	3A		1007			
VS3-LBW-13A-Grab 3	Low Btu Liquid Waste	Archive	1	3A		1022			
VS3-LBW-13A-Grab 4	Low Btu Liquid Waste	Archive	1	3A		1037			
VS3-LBW-13A-Grab 5	Low Btu Liquid Waste	Archive	1	3A		1052			
VS3-LBW-13A-Grab 6	Low Btu Liquid Waste	Archive	1	3A					
VS3-LBW-13A-Grab 7	Low Btu Liquid Waste	Archive	1	3A					
VS3-LBW-13A-Grab 8	Low Btu Liquid Waste	Archive	1	3A					
VS3-LBW-13B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	3B	10/17/13	1332		2,500 mL	
VS3-LBW-13B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	3B		1517		3,000 mL	
VS3-LBW-13B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	3B		1547		3,000 mL	
VS3-LBW-13B-Grab 1	Low Btu Liquid Waste	Archive	1	3B		1232		500 mL	
VS3-LBW-13B-Grab 2	Low Btu Liquid Waste	Archive	1	3B		1247			
VS3-LBW-13B-Grab 3	Low Btu Liquid Waste	Archive	1	3B		1302			
VS3-LBW-13B-Grab 4	Low Btu Liquid Waste	Archive	1	3B		1317			
VS3-LBW-13B-Grab 5	Low Btu Liquid Waste	Archive	1	3B		1332			
VS3-LBW-13B-Grab 6	Low Btu Liquid Waste	Archive	1	3B		1347			
VS3-LBW-13B-Grab 7	Low Btu Liquid Waste	Archive	1	3B		1402			
VS3-LBW-13B-Grab 8	Low Btu Liquid Waste	Archive	1	3B		1417			
VS3-LBW-13B-Grab 9	Low Btu Liquid Waste	Archive	1	3B		1432			
VS3-LBW-13B-Grab 10	Low Btu Liquid Waste	Archive	1	3B		1447			
VS3-LBW-13B-Grab 11	Low Btu Liquid Waste	Archive	1	3B		1502			
VS3-LBW-13B-Grab 12	Low Btu Liquid Waste	Archive	1	3B		1517			
VS3-LBW-13B-Grab 13	Low Btu Liquid Waste	Archive	1	3B		1532			
VS3-LBW-13B-Grab 14	Low Btu Liquid Waste	Archive	1	3B		1547			

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-13B -COMP 2A
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1330

Sample Number	Container ID	Time	Volume/ Mass
1	22	1230	500g
2	29	1245	504g
3	39	1300	503g
4	50	1315	503g
5	60	1330	502g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,512g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-~~13B~~-COMP~~2B~~
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time 1515

Sample Number	Container ID	Time	Volume/ Mass
1	22	1230	301g
2	29	1245	300g
3	39	1300	300g
4	50	1315	300g
5	60	1330	299g
6	69	1345	302g
7	79	1400	307g
8	89	1415	302g
9	98	1430	298g
10	107	1445	303g
11	117	1500	302g
12	127	1515	299g
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,613g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-1~~3B~~-COMP~~2C~~
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3B
 Start Time 1230
 Stop Time _____

Sample Number	Container ID	Time	Volume/ Mass
1	22	1230	300g
2	29	1245	306g
3	39	1300	304g
4	50	1315	305g
5	60	1330	306g
6	69	1345	304g
7	79	1400	309g
8	89	1415	295g
9	98	1430	302g
10	107	1445	301g
11	117	1500	302g
12	127	1515	302g
13	136	1530	302g
14	145	1545	300g
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,738g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Less 500g for EPA Split.

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	38
Stream Name	Liquid Waste Feed (LWF)	Start Time	1230
Composite Sample ID	VS3-LWF-13B-COMP2A	Stop Time	1330
Operator			

Sample Number	Time	Volume/Mass
1	1230	500 mL
2	1245	 +
3	1300	
4	1315	
5	1330	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-~~128~~-COMP~~28~~
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 38
 Start Time 1230
 Stop Time 1515

Sample Number	Time	Volume/Mass
1	1230	500 250 mL
2	1245	↓
3	1300	
4	1315	
5	1330	
6	1345	
7	1400	
8	1415	
9	1430	
10	1445	
11	1500	
12	1515	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-138-COMP26
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 38
 Start Time 1230
 Stop Time 1545

Sample Number	Time	Volume/Mass
1	1230	250 mL
2	1245	
3	1300	
4	1315	
5	1330	
6	1345	
7	1400	
8	1415	
9	1430	
10	1445	
11	1500	
12	1515	
13	1530	
14	1545	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Less 500 mL for EPA split.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~38~~-COMP~~2A~~
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 38
 Start Time 1231
 Stop Time 1331

Sample Number	Time	Volume/Mass
1	1231	500 mL
2	1246	
3	1301	
4	1316	
5	1331	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1 30-COMP 28
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 30
 Start Time 1231
 Stop Time 1516

Sample Number	Time	Volume/Mass
1	1231	250 mL
2	1246	
3	1301	
4	1316	
5	1331	
6	1346	
7	1401	
8	1416	
9	1431	
10	1446	
11	1501	
12	1516	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1 **3B**-COMP **2L**
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3B
 Start Time 1231
 Stop Time 1546

Sample Number	Time	Volume/Mass
1	1231	250 mL
2	1246	
3	1301	
4	1316	
5	1331	
6	1346	
7	1401	
8	1416	
9	1431	
10	1446	
11	1501	
12	1516	
13	1531	
14	1546	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Less 500 mL for EPA split.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-138 -COMP 2A
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 38
 Start Time 1232
 Stop Time 1332

Sample Number	Time	Volume/Mass
1	1232	500 mL
2	1247	
3	1302	
4	1317	
5	1332	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-1~~38~~-COMP~~28~~
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 38
 Start Time 1232
 Stop Time 1517

Sample Number	Time	Volume/Mass
1	1232	250 mL
2	1247	
3	1302	
4	1317	
5	1332	
6	1347	
7	1402	
8	1417	
9	1432	
10	1447	
11	1502	
12	1517	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-1~~38~~-COMP~~24~~
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 38
 Start Time 1232
 Stop Time 1547

Sample Number	Time	Volume/Mass
1	1232	250 mL
2	1247	
3	1302	
4	1317	
5	1332	
6	1347	
7	1402	
8	1417	
9	1432	
10	1447	
11	1502	
12	1517	
13	1532	
14	1547	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Less 500 mL for EPA split.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-13A-COMP 1
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3A
 Start Time 0950
 Stop Time 1050

Sample Number	Container ID	Time	Volume/ Mass
1	88-390	0950	500
2	88-7	1005	500
3	88-14	1020	500
4	88-24	1035	500
5	88-33	1050	500
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,500g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-1 **3A** COMP **L**
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3A
 Start Time 09 ~~10~~50
 Stop Time 1050

Sample Number	Time	Volume/Mass
1	9 10 50	500ml
2	1005	↓
3	1020	
4	1035	
5	1050	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2500ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-13A-COMP 1
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3A
 Start Time 0952
 Stop Time 1052

Sample Number	Time	Volume/Mass
1	0952	500ml
2	1007	↓
3	1022	
4	1037	
5	1052	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2500ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-13A-COMP 1
 Operator _____

Date 10/17/13
 Condition No. 1
 Run No 3A
 Start Time 0951
 Stop Time 1051

Sample Number	Time	Volume/Mass
1	0951	500 ml
2	1006	↓
3	1021	
4	1036	
5	1051	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2500 ml

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Balance ID 5486

Calibration Checked by	Initials	<u>MP</u>
	Date	<u>10/17/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		<u>20.3</u>		
	50		<u>50.0</u>		
	100		<u>100.4</u>		
	200		<u>200.2</u>		
	500		<u>500.1</u>		
	1000		<u>1000.5</u>		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CDS-088: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013



DAILY RECORD OF EVENTS

DATE:	10/18/13	PAGE	1	OF	
NAME:	Teresa Davis				
TO (FILE/FM):	Mike Fuchs				
PROJECT #:	40942525				

CLIENT:	Veolia	SITE:	Sauget, IL
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SUBJECT: Unit 3 Waste Incinerator testing

0650 We leave the hotel.

0700 We stop to get supplies.

0720 We arrive at Veolia Environmental in Sauget, IL.
I hold a site safety briefing.

Personnel on site: Teresa Davis
Cameron Holland / URS
Mike Priebe

weather: sunny, high 40's

0730 We prepare for the day's activities.

0935 Begin run 4B, collect spike samples:
Cl: H-66 Pb: L-32 Hg: 703

1035 Collect sample Comp 2A

1038 collect Mid Spike samples
Cl: H-430 Pb: L-382 Hg: 644

1218 collect End spike samples
Cl: H-75 Pb: L-348 Hg: 658

1220 Metals train ends, collect sample Comp 2B

1250 Os and Fs train ends, collect sample Comp 2C

1251 Collect archive spike samples
Cl: H-2 Pb: L-316 Hg: 659

1255 we start cleaning up and preparing COCs.

1400 we leave the site - relinquish samples to Jesse Easterling (URS)

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Balance ID 5486

Calibration Checked by	Initials	MP
	Date	10/18/13

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		20.8		
	50		50.4		
	100		100.6		
	200		200.7		
	500		501.1		
	1000		1002.3		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

*CDS-08B: Field Balance Calibration
 Per EM SOP-010
 Revision Date: March 2012
 Reviewed: July 2013*

DAILY TAILGATE SAFETY MEETING FORM

Project Name/Number: 405-48942525

Date & Time: 10/15/13, 8:00am

Work Location: Sauget, IL

Client: Veolia

Major Tasks:	Recognized/Unanticipated Hazards:	Control Methods:	Tools Required to do the job safely:
Liquid Sampling	odor/Splashing	Respirator	Respirator & Chem Suit
Solid Sampling		Gloves, PPE	
Other:			
Emergency Procedures:	Sounding Alarm for facility.		
Hospital:	911 for any emergency situations, Notify onsite Contact		
Biological Hazards:	See HASP	Clinic: See HASP	See HASP
Chemical Hazards:	Unknown (organic)	Physical Hazards:	Slips/trips/Falls, Slippery surface from Rain
		Minimum PPE	Hard Hat, Steel toes, Safety glasses Chem Suit for Sampler & Respirator

Adjacent Work/Processes and/or co-occupancy Yes No

Notified them of our presence

Coordinated with adjacent work supervisor/customer operator

TEAM MEMBERS SIGNATURES

[Signature]

Tara Davis

Comm Method

10/16/13 *Tara Davis*
Comm Method

The signature of the Supervisor certifies the completion of the Project Review by the crew.

Supervisor's Signature: *Tara Davis*

Tara Davis

Date: 10/15/13

10/17/13 *Tara Davis*
Comm Method

Instructions: 1. Write the name of the job or task in the space provided. 2. Conduct a walk-through survey of work area. 3. Write the steps of the task in a safe sequence. 4. List all possible hazards involved in each step as well as reaction to failure. 5. In the Safe Plan column, provide the corrective actions that will be taken to keep the hazard from becoming an accident or injury. 6. In Tools column list tools needed to do the job, additional safety equipment, etc. 7. Have each team member that helped develop and will use this form sign in the spaces provided at the bottom. 8. Review the form at the end of the task for improvements. (NOTE: THE WORK SHALL STOP IF CONDITIONS CHANGE, JOB CHANGES, OR DEFICIENCY IN PLAN IS NOTED.)

10/18/13 *Tara Davis*
Comm Method

Review checklist on next page

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-1 4B -COMP 2A
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 4B
 Start Time 0935
 Stop Time 1035

Sample Number	Container ID	Time	Volume/ Mass
1	25	0935	504g
2	32	0950	501g
3	43	1005	501g
4	53	1020	501g
5	61	1035	504g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,511g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-1 48-COMP 28
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 48
 Start Time 0935
 Stop Time 1220

Sample Number	Container ID	Time	Volume/ Mass
1	25	0935	300g
2	32	0950	301g
3	43	1005	308g
4	53	1020	300g
5	61	1035	300g
6	73	1050	303g
7	82	1105	303g
8	91	1120	302g
9	101	1135	300g
10	111	1150	301g
11	121	1205	300g
12	130	1220	302g
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,620g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS3-CS-148-COMPac
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 48
 Start Time 0935
 Stop Time 1250

Sample Number	Container ID	Time	Volume/ Mass
1	25	0935	300g
2	32	0950	301g
3	43	1005	303g
4	53	1020	300g
5	61	1035	300g
6	73	1050	304g
7	82	1105	300g
8	91	1120	300g
9	101	1135	304g
10	111	1150	300g
11	121	1205	300g
12	130	1220	302g
13	139	1235	300g
14	148	1250	300g
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			4,214g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/18/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	48
Stream Name	Liquid Waste Feed (LWF)	Start Time	0935
Composite Sample ID	VS3-LWF-1 <u>48</u> -COMP <u>2A</u>	Stop Time	1035
Operator			

Sample Number	Time	Volume/Mass
1	0935	500 mL
2	0950	↓
3	1006	
4	1020	
5	1035	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/18/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	48
Stream Name	Liquid Waste Feed (LWF)	Start Time	0935
Composite Sample ID	VS3-LWF-148-COMP28	Stop Time	1220
Operator			

Sample Number	Time	Volume/Mass
1	0935	250 mL
2	0950	
3	1005	
4	1020	
5	1035	
6	1050	
7	1105	
8	1120	
9	1135	
10	1150	
11	1205	
12	1220	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS3-LWF-148-COMP2C
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 48
 Start Time 0936
 Stop Time 1250

Sample Number	Time	Volume/Mass
1	0935	250 mL
2	0950	
3	1005	
4	1020	
5	1035	
6	1050	
7	1105	
8	1120	
9	1135	
10	1150	
11	1205	
12	1220	
13	1235	
14	1250	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-148-COMP2A
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 48
 Start Time 0936
 Stop Time 1034

Sample Number	Time	Volume/Mass
1	0936	500 mL
2	0951	
3	1006	
4	1021	
5	1034	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~4B~~-COMP~~2B~~
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 4B
 Start Time 0936
 Stop Time 1220

Sample Number	Time	Volume/Mass
1	0936	250 mL
2	0951	↓
3	1006	
4	1021	
5	1034	
6	1051	
7	1106	
8	1121	
9	1136	
10	1151	
11	1206	
12	1220	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-148-COMP AC
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 48
 Start Time 0936
 Stop Time 1250

Sample Number	Time	Volume/Mass
1	0936	250 mL
2	0951	
3	1006	
4	1021	
5	1034	
6	1051	
7	1106	
8	1121	
9	1136	
10	1151	
11	1206	
12	1220	
13	1236	
14	1251	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-14B-COMP2A
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 4B
 Start Time 0937
 Stop Time 1035

Sample Number	Time	Volume/Mass
1	0937	500 mL
2	0952	
3	1007	
4	1022	
5	1035	
6	1052	
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-1 ~~48~~-COMP ~~28~~
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 48
 Start Time 0937
 Stop Time 1220

Sample Number	Time	Volume/Mass
1	0937	250 mL
2	0952	
3	1007	
4	1022	
5	1035	
6	1052	
7	1107	
8	1122	
9	1137	
10	1152	
11	1207	
12	1220	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,000 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Stream Name Low BTU Liquid Waste (HBW)
 Composite Sample ID VS3-LBW-148-COMP2L
 Operator _____

Date 10/18/13
 Condition No. 1
 Run No 48
 Start Time 0937
 Stop Time 1250

Sample Number	Time	Volume/Mass
1	0937	250 mL
2	0952	
3	1007	
4	1022	
5	1036	
6	1052	
7	1107	
8	1122	
9	1137	
10	1152	
11	1207	
12	1220	
13	1237	
14	1250	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
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32		
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36		
37		
38		
39		
Final Volume		3,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-CS-14A-Comp1	Containerized Solids	Phys/Comp	1	4A					
VS3-CS-14A-Grab 1	Containerized Solids	Archive	1	4A					
VS3-CS-14A-Grab 2	Containerized Solids	Archive	1	4A					
VS3-CS-14A-Grab 3	Containerized Solids	Archive	1	4A					
VS3-CS-14A-Grab 4	Containerized Solids	Archive	1	4A					
VS3-CS-14A-Grab 5	Containerized Solids	Archive	1	4A					
VS3-CS-14A-Grab 6	Containerized Solids	Archive	1	4A					
VS3-CS-14A-Grab 7	Containerized Solids	Archive	1	4A					
VS3-CS-14A-Grab 8	Containerized Solids	Archive	1	4A					
VS3-CS-14B-Comp2A	Containerized Solids	Phys/Comp	1	4B	10/18/13	1035		2,511g	
VS3-CS-14B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	4B		1220		3,620g	
VS3-CS-14B-Comp2C	Containerized Solids	Phys/Comp	1	4B		1250		4,214g	
VS3-CS-14B-Grab 1	Containerized Solids	Archive	1	4B		0935		492g	25; 2,480g
VS3-CS-14B-Grab 2	Containerized Solids	Archive	1	4B		0930		586g	32; 2,187g
VS3-CS-14B-Grab 3	Containerized Solids	Archive	1	4B		1005		503g	43; 2,322g
VS3-CS-14B-Grab 4	Containerized Solids	Archive	1	4B		1020		465g	53; 1,853g
VS3-CS-14B-Grab 5	Containerized Solids	Archive	1	4B		1035		458g	61; 2,096g
VS3-CS-14B-Grab 6	Containerized Solids	Archive	1	4B		1050		541g	73; 2,248g
VS3-CS-14B-Grab 7	Containerized Solids	Archive	1	4B		1105		419g	82; 1,439g
VS3-CS-14B-Grab 8	Containerized Solids	Archive	1	4B		1120		505g	91; 1,902g
VS3-CS-14B-Grab 9	Containerized Solids	Archive	1	4B		1135		456g	101; 1,495g
VS3-CS-14B-Grab 10	Containerized Solids	Archive	1	4B		1150		455g	111; 1,385g
VS3-CS-14B-Grab 11	Containerized Solids	Archive	1	4B		1205		486g	121; 1,443g
VS3-CS-14B-Grab 12	Containerized Solids	Archive	1	4B		1220		536g	130; 1,580g
VS3-CS-14B-Grab 13	Containerized Solids	Archive	1	4B		1235		477g	139; 1,044g
VS3-CS-14B-Grab 14	Containerized Solids	Archive	1	4B		1250		524g	148; 1,055g

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS3-LWF-14A-Comp1	Liquid Waste Feed	Phys/Comp	1	4A				
VS3-LWF-14A-Grab 1	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14A-Grab 2	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14A-Grab 3	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14A-Grab 4	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14A-Grab 5	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14A-Grab 6	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14A-Grab 7	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14A-Grab 8	Liquid Waste Feed	Archive	1	4A				
VS3-LWF-14B-Comp2A	Liquid Waste Feed	Phys/Comp	1	4B	10/19/13		2,500 mL	
VS3-LWF-14B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	4B	1220		3,000 mL	
VS3-LWF-14B-Comp2C	Liquid Waste Feed	Phys/Comp	1	4B	1250		3,500 mL	
VS3-LWF-14B-Grab 1	Liquid Waste Feed	Archive	1	4B	0935		500 mL	
VS3-LWF-14B-Grab 2	Liquid Waste Feed	Archive	1	4B	0950			
VS3-LWF-14B-Grab 3	Liquid Waste Feed	Archive	1	4B	1005			
VS3-LWF-14B-Grab 4	Liquid Waste Feed	Archive	1	4B	1020			
VS3-LWF-14B-Grab 5	Liquid Waste Feed	Archive	1	4B	1035			
VS3-LWF-14B-Grab 6	Liquid Waste Feed	Archive	1	4B	1050			
VS3-LWF-14B-Grab 7	Liquid Waste Feed	Archive	1	4B	1105			
VS3-LWF-14B-Grab 8	Liquid Waste Feed	Archive	1	4B	1120			
VS3-LWF-14B-Grab 9	Liquid Waste Feed	Archive	1	4B	1135			
VS3-LWF-14B-Grab 10	Liquid Waste Feed	Archive	1	4B	1150			
VS3-LWF-14B-Grab 11	Liquid Waste Feed	Archive	1	4B	1205			
VS3-LWF-14B-Grab 12	Liquid Waste Feed	Archive	1	4B	1220			
VS3-LWF-14B-Grab 13	Liquid Waste Feed	Archive	1	4B	1235			
VS3-LWF-14B-Grab 14	Liquid Waste Feed	Archive	1	4B	1250			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-HBW-14A-Comp1	High Btu Liquid Waste	Phys/Comp	1	4A					
VS3-HBW-14A-Grab 1	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14A-Grab 2	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14A-Grab 3	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14A-Grab 4	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14A-Grab 5	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14A-Grab 6	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14A-Grab 7	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14A-Grab 8	High Btu Liquid Waste	Archive	1	4A					
VS3-HBW-14B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	4B	9/18/13	1034		2,500 mL	
VS3-HBW-14B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	4B		1030		3,000 mL	3,000 mL
VS3-HBW-14B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	4B		1030		3,500 mL	
VS3-HBW-14B-Grab 1	High Btu Liquid Waste	Archive	1	4B		0936		500 mL	
VS3-HBW-14B-Grab 2	High Btu Liquid Waste	Archive	1	4B		0931			
VS3-HBW-14B-Grab 3	High Btu Liquid Waste	Archive	1	4B		1006			
VS3-HBW-14B-Grab 4	High Btu Liquid Waste	Archive	1	4B		1021			
VS3-HBW-14B-Grab 5	High Btu Liquid Waste	Archive	1	4B		1034			
VS3-HBW-14B-Grab 6	High Btu Liquid Waste	Archive	1	4B		1051			
VS3-HBW-14B-Grab 7	High Btu Liquid Waste	Archive	1	4B		1106			
VS3-HBW-14B-Grab 8	High Btu Liquid Waste	Archive	1	4B		1121			
VS3-HBW-14B-Grab 9	High Btu Liquid Waste	Archive	1	4B		1136			
VS3-HBW-14B-Grab 10	High Btu Liquid Waste	Archive	1	4B		1151			
VS3-HBW-14B-Grab 11	High Btu Liquid Waste	Archive	1	4B		1206			
VS3-HBW-14B-Grab 12	High Btu Liquid Waste	Archive	1	4B		1220			
VS3-HBW-14B-Grab 13	High Btu Liquid Waste	Archive	1	4B		1236			
VS3-HBW-14B-Grab 14	High Btu Liquid Waste	Archive	1	4B		1250			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LBW-14A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	4A					
VS3-LBW-14A-Grab 1	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14A-Grab 2	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14A-Grab 3	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14A-Grab 4	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14A-Grab 5	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14A-Grab 6	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14A-Grab 7	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14A-Grab 8	Low Btu Liquid Waste	Archive	1	4A					
VS3-LBW-14B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	4B	10/13	1035		2,500 mL	
VS3-LBW-14B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	4B		1220		3,000 mL	
VS3-LBW-14B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	4B		1250		3,500 mL	
VS3-LBW-14B-Grab 1	Low Btu Liquid Waste	Archive	1	4B		0937		500 mL	
VS3-LBW-14B-Grab 2	Low Btu Liquid Waste	Archive	1	4B		0952			
VS3-LBW-14B-Grab 3	Low Btu Liquid Waste	Archive	1	4B		1007			
VS3-LBW-14B-Grab 4	Low Btu Liquid Waste	Archive	1	4B		1022			
VS3-LBW-14B-Grab 5	Low Btu Liquid Waste	Archive	1	4B		1035			
VS3-LBW-14B-Grab 6	Low Btu Liquid Waste	Archive	1	4B		1052			
VS3-LBW-14B-Grab 7	Low Btu Liquid Waste	Archive	1	4B		1107			
VS3-LBW-14B-Grab 8	Low Btu Liquid Waste	Archive	1	4B		1122			
VS3-LBW-14B-Grab 9	Low Btu Liquid Waste	Archive	1	4B		1137			
VS3-LBW-14B-Grab 10	Low Btu Liquid Waste	Archive	1	4B		1152			
VS3-LBW-14B-Grab 11	Low Btu Liquid Waste	Archive	1	4B		1207			
VS3-LBW-14B-Grab 12	Low Btu Liquid Waste	Archive	1	4B		1222			
VS3-LBW-14B-Grab 13	Low Btu Liquid Waste	Archive	1	4B		1237			
VS3-LBW-14B-Grab 14	Low Btu Liquid Waste	Archive	1	4B		1252			

Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date ⁶	Initials
4% KMnO ₄	10/14/13	10% H ₂ SO ₄	10/10*	300	10/15/13	KMM
		KMnO ₄	12*	12 gm		
HNO ₃ /H ₂ O	10/14/13	HPLC H ₂ O	21*	500 + 17	11/14/13	KMM
		HNO ₃	2*	50		
		H ₂ O	1	333		
4% KMnO ₄	10/15/13	10% H ₂ SO ₄	10/10*	450 ml	10/16/13	KMM
		KMnO ₄	12*	18 g		
10% H ₂ SO ₄	10/15/13	HPLC H ₂ O	2	900	11/15/13	KMM
		H ₂ SO ₄	4*	100		
4% KMnO ₄	10/16/13	10% H ₂ SO ₄	10/15	500	10/17/13	KMM
		KMnO ₄	12*	20 g		
0.1N HNO ₃	10/16/13	HPLC H ₂ O	2	1987	varied 10/13 tot 11/13/13	KMM
		HNO ₃	2*	12.6 ml		
10% H ₂ SO ₄	10/16/13	HPLC H ₂ O	2	900	11/16/13	KMM
		H ₂ SO ₄	4*	100		

Recipes to Make 1 Liter
Sulfuric Acid/Potassium Permanganate
 800 ml Water
 100 ml Concentrated H₂SO₄
 Dilute to 1 L volume
 40 g KMnO₄

Nitric Acid/Hydrogen Peroxide
 500 ml Water
 50 ml concentrated HNO₃
 333 ml 30% H₂O₂
 Dilute to 1 L volume

0.1 N Nitric Acid
 900 ml water
 6.3 ml Concentrated HNO₃
 Dilute to 1 L volume

8N Hydrochloric Acid
 250 ml Water
 690 ml Concentrated HCl
 Dilute to 1 L volume

⁶ Expiration Date is 30 days after preparation except for acidic potassium permanganate solutions. Acidic potassium permanganate solutions expire in 1 day.

→ see Unit 2 Reagent log + Solution Preparation Log



DAILY RECORD OF EVENTS

DATE:	10-23-13	PAGE	1	OF	1
NAME:	Katie Pritchard (KP) - Cameron Holland (CH)				
TO (FILE/PM):	Mike Fuchs (MF)	Mike Pridge (MP)			
PROJECT #:	409A2525				

CLIENT: Veolia
 SUBJECT: Unit 4 Waste Sampling.
 SITE: Sauget, IL

0700 All personnel depart ~~site for hotel~~ hotel for site. Weather conditions are sunny high in low 50's.

0710 Arrive on-site and check-in. Proceed to maintenance area for supplies. Set-up staging area in loading dock - North of unit 4 and charge loading area. Hold Tailgate H+S Meeting. Pre-label all bottles.

0930 Begin Run 1A

1000 Port change begins

1012 Port change completed.

1042 Test Run 1A complete.

1236 Begin Run 1B

collect spike samples (beginning); collect Hg split for EPA
 CI: H-1790 Pb: L-1594 Hg: 2528

1336 collect Comp 2A samples

1340 collect spike samples (mid) during port change
 CI: H-1728 Pb: L-1641 Hg: 2441

1420 Metals Port change complete

~~1520~~ Met CH 10/23/13

1515 collect End Spike samples
 CI: H-1672 Pb: L-1624 Hg: 2467

1520 Metals train ends; collect Comp 2B samples at 1506

1550 Ds and Fs train ends; collect Comp 2C samples at 1536

~~1555~~

1551 collect Archive spikes
 CI: H-1675 Pb: L-1713 Hg: 2469

1605 split samples with EPA

Begin clean-up.

1730 Depart site - CH/KP/MP go to Walgreens for supplies

1815 Arrive at hotel



Health, Safety and Environment
Daily Tailgate Meeting Form #1

SMS 086 NA
Supplemental Information H

Issue Date: January 2011
Revision 1: March 2012

Job Location:	Veolia - Saugnet, FL	Date:	10-23-2013
URS Site Supervisor:	Mike Fuchs	Person conducting Tailgate Meeting:	Katie Pritchard

List activities to be performed today:	Collect Solid/Liquid waste samples		
Permitted Activities (specific permit to be competed):	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Confined Space Entry (SMS 010) <input type="checkbox"/> Work on Live Electrical Systems (SMS 012) <input type="checkbox"/> Hot Work (SMS 020)	<input type="checkbox"/> Excavation/Trenching (SMS 013) <input type="checkbox"/> Hoisting/Rigging (SMS 038) <input type="checkbox"/> Lockout/Tagout (SMS 023) <input type="checkbox"/> Radiation Work (SMS 052) <input type="checkbox"/> Borehole Entry (SMS 077)	

Muster Point:	Conference Rooms/Trucks	Spill Kit Location:	At locations
First Aid Kit Location:	Truck	Fire Extinguisher Location:	At Table

Has the Site Manager / Owner been notified of our activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was the Site Manager / Owner present during pre-work site walk?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Have all personnel reviewed and understand the site-specific safety plan?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Are current JSAs in place for each of the tasks to be performed today and understood by all site staff?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Does each subcontractor have JSAs for their activities?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Has a site walk been performed to identify additional hazards?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Have any newly identified hazards been documented on the JSA?	<input type="checkbox"/> Yes <input type="checkbox"/> No* <input checked="" type="checkbox"/> N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/mitigation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Have equipment checks been completed, documented, and reviewed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No* <input type="checkbox"/> N/A
Do all site workers understand injury/ intervention reporting requirements including immediately notifying the URS Site Supervisor of any injury near miss, unsafe condition or hazard observation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*
Personnel are wearing hardhat, high visibility vest, safety glasses, and safety shoes" for all work outside of vehicles and field offices?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No*

* if No, then work cannot be performed until corrective action is completed and documented.

Topics covered in today's tailgate meeting including specific JSAs:	-Waste Sampling -respirator use
---	------------------------------------

Other Items Discussed Today:	Stop Work Authority & Obligation
Respirator Use Tyvek Cold Stress Hydration	* All employees will stop the job any time anyone is concerned or uncertain about safety. * All employees will stop the job if anyone identifies a hazard or additional mitigation not recorded on the JSA. * All employees will be alerted to any changes in personnel or conditions at the worksite. * All employees will stop the job and reassess a task, hazards, and mitigations, and then amend the JSA as needed.



Health, Safety and Environment
Daily Tailgate Meeting Form #1

SMS 086 NA
Supplemental Information H

Issue Date: January 2011
Revision 1: March 2012

SITE WORKERS (including URS Contractors and Subcontractors): By signing here, you are stating the following:

- * You have been involved in reviewing the JSAs and understand the hazards and control measures associated with each task you are about to perform.
- * You understand the permit to work requirements applicable to the work you are about to perform (if it includes permitted activities).
- * You are aware that no tasks or work (that is not risk-assessed) is to be performed.
- * You are aware of your authority and obligation to 'Stop Work'.

I arrived and departed fit for duty:

- * You are physically and mentally fit for duty.
- * You are not under the influence of any type of medication, drugs, or alcohol that could affect your ability to work safely.
- * You are aware of your responsibility to immediately report any illness, injury (regardless of where or when it occurred), or fatigue issue you may have to the URS Site Supervisor.
- * You signed-out uninjured unless you have otherwise informed the URS Site Supervisor.

Print Name & Company	Signature	Initials & Sign In Time	Initials & Sign Out Time
Katie Pritchard / URS		In & Fit KLP 0700	Out & Fit KLP 1730
Mike Priebe / URS		In & Fit MP 0700	Out & Fit MP 1730
Cameron Holland / URS		In & Fit CH 0700	Out & Fit CFH 1730
10/24/13 ↓ KLP / URS		In & Fit KLP 0730	Out & Fit
Mike Priebe / URS		In & Fit MP 0700	Out & Fit
Cameron Holland / URS		In & Fit CFH 0730	Out & Fit

(Attach additional Site Worker sign-in/out sheets if needed)

SITE VISITOR / SITE REPRESENTATIVE				
Name	Company Name	Arrival Time	Departure Time	Signature
10-25-2013				

To be completed once field activities for the day have been concluded:

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, details:
Were there any 'Stop Work' interventions?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, details:
Were there any areas for improvement noted?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, details:
Has the Site Manager/Owner conducted a post-work site walk and/or are they happy with the way you left the site (including the location of waste drums or equipment)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If no, details:
At the conclusion of the day, the job site is being left in a safe condition and there were no reports of injury or first aid.	<input type="checkbox"/> Yes <input type="checkbox"/> No	URS Site Supervisor Signature:

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Balance ID 5486

Calibration Checked by	Initials	<u>MP</u>
	Date	<u>10/23/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		<u>20.02</u>		
	50		<u>50.03</u>		
	100		<u>100.1</u>		
	200		<u>200.2</u>		
	500		<u>500.1</u>		
	1000		<u>1000.6</u>		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

005-08B: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS4-BS-11A-Comp1	Bulk Solids	Phys/Comp	1	10/23/13	1031		2,533g	
VS4-BS-11A-Grab 1	Bulk Solids	Archive	1		0931		500g	2,380g
VS4-BS-11A-Grab 2	Bulk Solids	Archive	1		0946		514g	2,166g
VS4-BS-11A-Grab 3	Bulk Solids	Archive	1		1001		525g	2,140g
VS4-BS-11A-Grab 4	Bulk Solids	Archive	1		1016		507g	2,156g
VS4-BS-11A-Grab 5	Bulk Solids	Archive	1		1031		510g	
VS4-BS-11A-Grab 6	Bulk Solids	Archive	1					
VS4-BS-11A-Grab 7	Bulk Solids	Archive	1					
VS4-BS-11A-Grab 8	Bulk Solids	Archive	1					
VS4-BS-11B-Comp2A	Bulk Solids	Phys/Comp	1	10/23/13	1337		2,516g	
VS4-BS-11B-Comp2B	Bulk Solids	Phys/Comp, Metals	1		1507		3,333g	
VS4-BS-11B-Comp2C	Bulk Solids	Phys/Comp	1		1537		3,969g	
VS4-BS-11B-Grab 1	Bulk Solids	Archive	1		1237		530g	2,572g
VS4-BS-11B-Grab 2	Bulk Solids	Archive	1		1252		761g	2,656g
VS4-BS-11B-Grab 3	Bulk Solids	Archive	1		1307		543g	2,448g
VS4-BS-11B-Grab 4	Bulk Solids	Archive	1		1322		530g	2,412g
VS4-BS-11B-Grab 5	Bulk Solids	Archive	1		1337		530g	2,677g
VS4-BS-11B-Grab 6	Bulk Solids	Archive	1		1352		563g	2,956g
VS4-BS-11B-Grab 7	Bulk Solids	Archive	1		1407		503g	2,119g
VS4-BS-11B-Grab 8	Bulk Solids	Archive	1		1422		542g	2,506g
VS4-BS-11B-Grab 9	Bulk Solids	Archive	1		1437		530g	2,252g
VS4-BS-11B-Grab 10	Bulk Solids	Archive	1		1452		563g	2,339g
VS4-BS-11B-Grab 11	Bulk Solids	Archive	1		1507		534g	2,211g
VS4-BS-11B-Grab 12	Bulk Solids	Archive	1		1522		560g	2,381g
VS4-BS-11B-Grab 13	Bulk Solids	Archive	1		1537		548g	2,210g
VS4-BS-11B-Grab 14	Bulk Solids	Archive	1		1552			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-CS-11A-Comp1	Containerized Solids	Phys/Comp	1	1A	9/27/13	1030		2,514g	
VS4-CS-11A-Grab 1	Containerized Solids	Archive	1	1A		0930		507g	27; 2,209g
VS4-CS-11A-Grab 2	Containerized Solids	Archive	1	1A		0945		504g	37; 2,056g
VS4-CS-11A-Grab 3	Containerized Solids	Archive	1	1A		1000		525g	47; 2,068g
VS4-CS-11A-Grab 4	Containerized Solids	Archive	1	1A		1015		535g	57; 1,639g
VS4-CS-11A-Grab 5	Containerized Solids	Archive	1	1A		1030		510g	65; 2,158g
VS4-CS-11A-Grab 6	Containerized Solids	Archive	1	1A					
VS4-CS-11A-Grab 7	Containerized Solids	Archive	1	1A					
VS4-CS-11A-Grab 8	Containerized Solids	Archive	1	1A					
VS4-CS-11B-Comp2A	Containerized Solids	Phys/Comp	1	1B	9/30/13	1336 1050		2,519g 2,514g	
VS4-CS-11B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	1B		1506		3,363g	
VS4-CS-11B-Comp2C	Containerized Solids	Phys/Comp	1	1B		1536		3,934g	
VS4-CS-11B-Grab 1	Containerized Solids	Archive	1	1B		1236		500g	32; 2,476g
VS4-CS-11B-Grab 2	Containerized Solids	Archive	1	1B		1251		499g	42; 1,989g
VS4-CS-11B-Grab 3	Containerized Solids	Archive	1	1B		1306		492g	50; 2,273g
VS4-CS-11B-Grab 4	Containerized Solids	Archive	1	1B		1321		489g	60; 2,100g
VS4-CS-11B-Grab 5	Containerized Solids	Archive	1	1B		1336		532g	70; 2,192g
VS4-CS-11B-Grab 6	Containerized Solids	Archive	1	1B		1351		579g	80; 1,588g
VS4-CS-11B-Grab 7	Containerized Solids	Archive	1	1B		1406		514g	88; 2,136g
VS4-CS-11B-Grab 8	Containerized Solids	Archive	1	1B		1421		537g	98; 2,379g
VS4-CS-11B-Grab 9	Containerized Solids	Archive	1	1B		1436		571g	107; 1,907g
VS4-CS-11B-Grab 10	Containerized Solids	Archive	1	1B		1451		549g	118; 2,221g
VS4-CS-11B-Grab 11	Containerized Solids	Archive	1	1B		1506		547g	126; 1,868g
VS4-CS-11B-Grab 12	Containerized Solids	Archive	1	1B		1521		544g	136; 1,759g
VS4-CS-11B-Grab 13	Containerized Solids	Archive	1	1B		1536		505g	146; 1,674g
VS4-CS-11B-Grab 14	Containerized Solids	Archive	1	1B		1557			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS4-LBW-11A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	10/23/13	1030		2,500 mL	
VS4-LBW-11A-Grab 1	Low Btu Liquid Waste	Archive	1		0930		500 mL	
VS4-LBW-11A-Grab 2	Low Btu Liquid Waste	Archive	1		0945			
VS4-LBW-11A-Grab 3	Low Btu Liquid Waste	Archive	1		1000			
VS4-LBW-11A-Grab 4	Low Btu Liquid Waste	Archive	1		1015			
VS4-LBW-11A-Grab 5	Low Btu Liquid Waste	Archive	1		1030			
VS4-LBW-11A-Grab 6	Low Btu Liquid Waste	Archive	1					
VS4-LBW-11A-Grab 7	Low Btu Liquid Waste	Archive	1					
VS4-LBW-11A-Grab 8	Low Btu Liquid Waste	Archive	1					
VS4-LBW-11B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	10/23/13	1336		2,500 mL	
VS4-LBW-11B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1		1506		3,300 mL	
VS4-LBW-11B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1		1536		2,600 mL	
VS4-LBW-11B-Grab 1	Low Btu Liquid Waste	Archive	1		1336		500 mL	
VS4-LBW-11B-Grab 2	Low Btu Liquid Waste	Archive	1		1251			
VS4-LBW-11B-Grab 3	Low Btu Liquid Waste	Archive	1		1306			
VS4-LBW-11B-Grab 4	Low Btu Liquid Waste	Archive	1		1321			
VS4-LBW-11B-Grab 5	Low Btu Liquid Waste	Archive	1		1336			
VS4-LBW-11B-Grab 6	Low Btu Liquid Waste	Archive	1		1351			
VS4-LBW-11B-Grab 7	Low Btu Liquid Waste	Archive	1		1406			
VS4-LBW-11B-Grab 8	Low Btu Liquid Waste	Archive	1		1421			
VS4-LBW-11B-Grab 9	Low Btu Liquid Waste	Archive	1		1436			
VS4-LBW-11B-Grab 10	Low Btu Liquid Waste	Archive	1		1451			
VS4-LBW-11B-Grab 11	Low Btu Liquid Waste	Archive	1		1506			
VS4-LBW-11B-Grab 12	Low Btu Liquid Waste	Archive	1		1521			
VS4-LBW-11B-Grab 13	Low Btu Liquid Waste	Archive	1		1536			
VS4-LBW-11B-Grab 14	Low Btu Liquid Waste	Archive	1		1551			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-HBW-11A-Comp1	High Btu Liquid Waste	Phys/Comp	1	1A	10/23/13	1031		2,500 mL	
VS4-HBW-11A-Grab 1	High Btu Liquid Waste	Archive	1	1A		0931		500 mL	
VS4-HBW-11A-Grab 2	High Btu Liquid Waste	Archive	1	1A		0946			
VS4-HBW-11A-Grab 3	High Btu Liquid Waste	Archive	1	1A		1001			
VS4-HBW-11A-Grab 4	High Btu Liquid Waste	Archive	1	1A		1016			
VS4-HBW-11A-Grab 5	High Btu Liquid Waste	Archive	1	1A		1031			
VS4-HBW-11A-Grab 6	High Btu Liquid Waste	Archive	1	1A					
VS4-HBW-11A-Grab 7	High Btu Liquid Waste	Archive	1	1A					
VS4-HBW-11A-Grab 8	High Btu Liquid Waste	Archive	1	1A					
VS4-HBW-11B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	1B	10/23/13	1337		2,500 mL	
VS4-HBW-11B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	1B		1507		3,300 mL	
VS4-HBW-11B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	1B		1537		2,600 mL	
VS4-HBW-11B-Grab 1	High Btu Liquid Waste	Archive	1	1B		1337		500 mL	
VS4-HBW-11B-Grab 2	High Btu Liquid Waste	Archive	1	1B		1253			
VS4-HBW-11B-Grab 3	High Btu Liquid Waste	Archive	1	1B		1307			
VS4-HBW-11B-Grab 4	High Btu Liquid Waste	Archive	1	1B		1322			
VS4-HBW-11B-Grab 5	High Btu Liquid Waste	Archive	1	1B		1337			
VS4-HBW-11B-Grab 6	High Btu Liquid Waste	Archive	1	1B		1352			
VS4-HBW-11B-Grab 7	High Btu Liquid Waste	Archive	1	1B		1407			
VS4-HBW-11B-Grab 8	High Btu Liquid Waste	Archive	1	1B		1422			
VS4-HBW-11B-Grab 9	High Btu Liquid Waste	Archive	1	1B		1437			
VS4-HBW-11B-Grab 10	High Btu Liquid Waste	Archive	1	1B		1452			
VS4-HBW-11B-Grab 11	High Btu Liquid Waste	Archive	1	1B		1507			
VS4-HBW-11B-Grab 12	High Btu Liquid Waste	Archive	1	1B		1522			
VS4-HBW-11B-Grab 13	High Btu Liquid Waste	Archive	1	1B		1487	1537		
VS4-HBW-11B-Grab 14	High Btu Liquid Waste	Archive	1	1B		1552			

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS4-LWF-11A-Comp1	Liquid Waste Feed	Phys/Comp	1	10/28/13	1032		2,000 mL	
VS4-LWF-11A-Grab 1	Liquid Waste Feed	Archive	1		0932		500 mL	
VS4-LWF-11A-Grab 2	Liquid Waste Feed	Archive	1		0947			
VS4-LWF-11A-Grab 3	Liquid Waste Feed	Archive	1		1002			
VS4-LWF-11A-Grab 4	Liquid Waste Feed	Archive	1		1017			
VS4-LWF-11A-Grab 5	Liquid Waste Feed	Archive	1		1032			
VS4-LWF-11A-Grab 6	Liquid Waste Feed	Archive	1					
VS4-LWF-11A-Grab 7	Liquid Waste Feed	Archive	1					
VS4-LWF-11A-Grab 8	Liquid Waste Feed	Archive	1					
VS4-LWF-11B-Comp2A	Liquid Waste Feed	Phys/Comp	1	10/29/13	1338		2,500 mL	
VS4-LWF-11B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1		1508		3,300 mL	
VS4-LWF-11B-Comp2C	Liquid Waste Feed	Phys/Comp	1		1538		2,600 mL	
VS4-LWF-11B-Grab 1	Liquid Waste Feed	Archive	1		1330		500 mL	
VS4-LWF-11B-Grab 2	Liquid Waste Feed	Archive	1		1253			
VS4-LWF-11B-Grab 3	Liquid Waste Feed	Archive	1		1308			
VS4-LWF-11B-Grab 4	Liquid Waste Feed	Archive	1		1323			
VS4-LWF-11B-Grab 5	Liquid Waste Feed	Archive	1		1338			
VS4-LWF-11B-Grab 6	Liquid Waste Feed	Archive	1		1353			
VS4-LWF-11B-Grab 7	Liquid Waste Feed	Archive	1		1408			
VS4-LWF-11B-Grab 8	Liquid Waste Feed	Archive	1		1423			
VS4-LWF-11B-Grab 9	Liquid Waste Feed	Archive	1		1438			
VS4-LWF-11B-Grab 10	Liquid Waste Feed	Archive	1		1453			
VS4-LWF-11B-Grab 11	Liquid Waste Feed	Archive	1		1508			
VS4-LWF-11B-Grab 12	Liquid Waste Feed	Archive	1		1523			
VS4-LWF-11B-Grab 13	Liquid Waste Feed	Archive	1		1538			
VS4-LWF-11B-Grab 14	Liquid Waste Feed	Archive	1		1553			

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-1 ~~IA~~-COMP 1
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1A
 Start Time 0931
 Stop Time 1031

Sample Number	Time	Volume/Mass
1	0931	507g
2	0946	502g
3	1001	502g
4	1016	505g
5	1031	507g
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		2,523 g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-1 **1B**-COMP **2A**
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 18
 Start Time 1237
 Stop Time 1337

Sample Number	Time	Volume/Mass
1	1237	502 g
2	1237 1252	298 g 502g
3	1307	502 g
4	1322	501 g
5	1337	509 g
6	1	
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		2.516g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-118-COMP 2B
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1B
 Start Time 1237
 Stop Time 1507

Sample Number	Time	Volume/Mass
1	1237	303g
2	1252	312g
3	1307	293g
4	1322	297g
5	1337	305g
6	1352	298g
7	1407	297g
8	1422	303g
9	1437	297g
10	1452	301g
11	1507	317g
12	1522	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		3,323g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

EPA Split Veolia S4-Metals-Pit

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-11B -COMP AC
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1B
 Start Time 1237
 Stop Time 1537

Sample Number	Time	Volume/Mass
1	1237	308g
2	1252	317g
3	1307	314g
4	1322	303g
5	1337	290g
6	1352	296g
7	1407	295g
8	1422	304g
9	1437	308g
10	1452	303g
11	1507	301g
12	1522	328g
13	1537	302g
14	1552	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		3,969g
Final Volume/Mass		3,953g 3,969g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Retain the remaining sample in the 1000 ml jars and archive.

EPA Split Veolia S4-DF-Pit

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1A
Stream Name	Containerized Solids (CS)	Start Time	0930
Composite Sample ID	VS4-CS-11A -COMP 1	Stop Time	1030
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	27	0930	501g
2	37	0945	499g
3	47	1000	502g
4	57	1015	505g
5	65	1030	507g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,514g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1B
Stream Name	Containerized Solids (CS)	Start Time	1236
Composite Sample ID	VS4-CS-11B-COMP2A	Stop Time	1336
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1236	500g
2	42	1251	508g
3	50	1306	502g
4	60	1321	507g
5	70	1336	502g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,519g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/33/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1B
Stream Name	Containerized Solids (CS)	Start Time	1236
Composite Sample ID	VS4-CS-11B -COMP 2B	Stop Time	1506
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1236	316g
2	42	1251	299g
3	50	1306	308g
4	60	1321	314g
5	70	1336	299g
6	80	1351	310g
7	88	1406	319g
8	98	1421	290g
9	107	1436	308g
10	118	1451	301g
11	126	1506	299g
12		1521	
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,363g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

EPA took split Veolia 54-Metals-Box

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/33/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1B
Stream Name	Containerized Solids (CS)	Start Time	1236
Composite Sample ID	VS4-CS-11B-COMPAC	Stop Time	1536
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1236	305g
2	42	1251	298g
3	50	1306	295g
4	60	1321	296g
5	70	1336	310g
6	80	1351	297g
7	88	1406	299g
8	98	1421	309g
9	107	1436	304g
10	118	1451	300g
11	126	1506	309g
12	136	1521	310g
13	146	1536	302
14		1551	
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,934g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

EPA took split Veolia S4-DF-Box

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 24
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID V93-LBW-1 1A -COMP 1
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1A
 Start Time 0930
 Stop Time 1030

Sample Number	Time	Volume/Mass
1	0930	500 mL
2	0945	
3	1000	
4	1015	
5	1030	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Sampled from X-11 stream.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-11B-COMP2A
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 10
 Start Time 1236
 Stop Time 1336

Sample Number	Time	Volume/Mass
1	1236	500 mL
2	1251	
3	1306	
4	1321	
5	1336	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Sampled from X-11 stream.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 24
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS⁴-LBW-116-COMP²⁸
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 18
 Start Time 1236
 Stop Time 1506

Sample Number	Time	Volume/Mass
1	1236	300 mL
2	1251	
3	1306	
4	1321	
5	1336	
6	1351	
7	1406	
8	1421	
9	1436	
10	1451	
11	1506	
12	1521	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

EPA took split Veolia S4-Metals-LBW

Sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 24
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID V58-LBW-11B-COMP2C
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1B
 Start Time 1236
 Stop Time 1536

Sample Number	Time	Volume/Mass	
1	1236	200 mL	
2	1251		
3	1306		
4	1321		
5	1336		
6	1351		
7	1406		
8	1421		
9	1436		
10	1451		
11	1506		
12	1521		
13	1536		+
14	1551		
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
 EPA split Veolia S4-DF-LBtu
 sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1 ~~1A~~ COMP 1
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1A
 Start Time 0931
 Stop Time 1031

Sample Number	Time	Volume/Mass
1	0931	500 mL
2	0946	I
3	1001	
4	1016	
5	1031	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-118-COMP2A
 Operator _____

Date 10/03/13
 Condition No. 1
 Run No 18
 Start Time 1237
 Stop Time 1337

Sample Number	Time	Volume/Mass
1	1237	500 mL
2	1252	
3	1307	
4	1322	
5	1337	
6	1352	
7	1407	
8	1422	
9	1437	
10	1452	
11	1507	
12	1522	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-118-COMP 28
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 18
 Start Time 1237
 Stop Time 1507

Sample Number	Time	Volume/Mass
1	1237	300 mL
2	1252	
3	1307	
4	1322	
5	1337	
6	1352	
7	1407	
8	1422	
9	1437	
10	1452	
11	1507	
12	1522	
13	1537	
14	154	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

EPA split Veolia 54 - Metals - HBW

Sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-11B-COMP2C
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1B
 Start Time 1237
 Stop Time 1537

Sample Number	Time	Volume/Mass
1	1237	200 mL
2	1252	
3	1307	
4	1322	
5	1337	
6	1352	
7	1407	
8	1422	
9	1437	
10	1452	
11	1507	
12	1522	
13	1537	—
14	1552	
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

BPA Split Veolia S4-DF-HBtu

Sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-1IA-COMP J
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1A
 Start Time 0932
 Stop Time 1032

Sample Number	Time	Volume/Mass
1	0932	500 ml
2	0947	
3	1002	
4	1017	
5	1032	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-11B-COMP2A
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1B
 Start Time 1238
 Stop Time 1338

Sample Number	Time	Volume/Mass
1	1238	500 mL
2	1253	
3	1308	
4	1323	
5	1338	
6	13	
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-11B-COMP2B
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1B
 Start Time 1238
 Stop Time 1508

Sample Number	Time	Volume/Mass
1	1238	300 mL
2	1253	
3	1306	
4	1323	
5	1338	
6	1353	
7	1408	
8	1423	
9	1438	
10	1453	
11	1508	
12	1508	
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

EPA Split Veolia S4-Metals-SCC

Sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-11B-COMP2C
 Operator _____

Date 10/23/13
 Condition No. 1
 Run No 1B
 Start Time 1238
 Stop Time 1538

Sample Number	Time	Volume/Mass	
1	1238	200 mL	
2	1253		
3	1308		
4	1323		
5	1338		
6	1353		
7	1408		
8	1423		
9	1438		
10	1453		
11	1508		
12	1523		
13	1538		+
14	1553		
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

EPA split veolia S4-DF-SCC

sampled from X-22 stream



DAILY RECORD OF EVENTS

DATE:	10-24-2013	PAGE:	1	OF:	1
NAME:	Katie Pritchard (KP) - Cameron Holland (CH)				
TO (FILE/PM):	Mike Fuchs (MF)		Mike Priche (MP)		
PROJECT #:	49042525				

CLIENT: Veolia SITE: Veolia - Sargey, IL

SUBJECT: Waste Stream Sampling.

- 0700 All depart hotel for site. Weather: cold, sunny, high 50°F.
- 0715 Arrive on-site + check-in. Proceed to Maintenance facility. Begin gear-up for daily sampling activities. Hold Tailgate H+S Meeting. Collect Inventory of supplies.
- 0935 Begin Run 2A.
- 1040 Finish Run 2A - Collect last samples at 1035 for all waste streams.
- 1235 Begin Run 2A; collect spike samples
 Cl: H-1562 Pb: L-197 Hg: 2420
- 1335 HCl/Cl₂ train ends; collect sample Comp 2A at 1335
- 1336 Collect spike samples during metals train port change
 Cl: H-1501 Pb: L-169 Hg: 2398
- 1515 Metals train ends; collect sample Comp 2B (and Comp 2B-Dup) at 1505
- 1516 collect spike samples
 Cl: H-502 Pb: L-330 Hg: 2266
- 1545 Ds and Fs train ends; collect sample Comp 2C at 1535 - Run 2B Complete.
- 1547 Collect spike samples for archive
 Cl: H-1605 Pb: L-102 Hg: 2224
- 1600 CH off-site
- 1630 KP/MP off-site. All areas cleared and samples packed in staging area.



Katie Pritchard

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Balance ID 5486

Calibration Checked by	Initials	<u>CFH</u>
	Date	<u>10/24/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		<u>20.2</u>		
	50		<u>50.2</u>		
	100		<u>100.7</u>		
	200		<u>200.3</u>		
	500		<u>499.7</u>		
	1000		<u>1000.7</u>		

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CDS-08B: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-BS-12A-Comp1	Bulk Solids	Phys/Comp	1	2A	10/21/13	1036		2511g	
VS4-BS-12A-Grab 1	Bulk Solids	Archive	1	2A		0936		527g	2,206g
VS4-BS-12A-Grab 2	Bulk Solids	Archive	1	2A		0951		543g	2,181g
VS4-BS-12A-Grab 3	Bulk Solids	Archive	1	2A		1006		503g	1,898g
VS4-BS-12A-Grab 4	Bulk Solids	Archive	1	2A		1021		500g	1,850g
VS4-BS-12A-Grab 5	Bulk Solids	Archive	1	2A		1036		497g	1,849g
VS4-BS-12A-Grab 6	Bulk Solids	Archive	1	2A					
VS4-BS-12A-Grab 7	Bulk Solids	Archive	1	2A					
VS4-BS-12A-Grab 8	Bulk Solids	Archive	1	2A					
VS4-BS-12B-Comp2A	Bulk Solids	Phys/Comp	1	2B	10/21/13	1335		2,519g	
VS4-BS-12B-Comp2B	Bulk Solids	Phys/Comp, Metals	1	2B		1506		3,332g	
VS4-BS-12B-Comp2C	Bulk Solids	Phys/Comp	1	2B		1536		3,917g	
VS4-BS-12B-Grab 1	Bulk Solids	Archive	1	2B		1226		525g	2,208g
VS4-BS-12B-Grab 2	Bulk Solids	Archive	1	2B		1251		512g	2,542g
VS4-BS-12B-Grab 3	Bulk Solids	Archive	1	2B		1306		513g	2,515g
VS4-BS-12B-Grab 4	Bulk Solids	Archive	1	2B		1321		550g	2,690g
VS4-BS-12B-Grab 5	Bulk Solids	Archive	1	2B		1335		516g	2,276g
VS4-BS-12B-Grab 6	Bulk Solids	Archive	1	2B		1351		532g	2,330g
VS4-BS-12B-Grab 7	Bulk Solids	Archive	1	2B		1406		514g	2,219g
VS4-BS-12B-Grab 8	Bulk Solids	Archive	1	2B		1421		500g	1,963g
VS4-BS-12B-Grab 9	Bulk Solids	Archive	1	2B		1436		511g	2,225g
VS4-BS-12B-Grab 10	Bulk Solids	Archive	1	2B		1451		532g	2,564g
VS4-BS-12B-Grab 11	Bulk Solids	Archive	1	2B		1506		536g	2,663g
VS4-BS-12B-Grab 12	Bulk Solids	Archive	1	2B		1521		520g	1,730g
VS4-BS-12B-Grab 13	Bulk Solids	Archive	1	2B		1536		508g	1,793g
VS4-BS-12B-Grab 14	Bulk Solids	Archive	1	2B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS4-CS-12A-Comp1	Containerized Solids	Phys/Comp	1	9/24/13	1035g		452g	2512g
VS4-CS-12A-Grab 1	Containerized Solids	Archive	1		0935		508g	32; 1,863g
VS4-CS-12A-Grab 2	Containerized Solids	Archive	1		0950		510g	42; 1,968g
VS4-CS-12A-Grab 3	Containerized Solids	Archive	1		1005		511g	50; 1,732g
VS4-CS-12A-Grab 4	Containerized Solids	Archive	1		1020		495g	60; 1,580g
VS4-CS-12A-Grab 5	Containerized Solids	Archive	1		1035		504g	67; 1,747g
VS4-CS-12A-Grab 6	Containerized Solids	Archive	1					
VS4-CS-12A-Grab 7	Containerized Solids	Archive	1					
VS4-CS-12A-Grab 8	Containerized Solids	Archive	1					
VS4-CS-12B-Comp2A	Containerized Solids	Phys/Comp	1	10/24/13	1335		2,512g	
VS4-CS-12B-Comp2B	Containerized Solids	Phys/Comp, Metals	1		1505		3280g	
VS4-CS-12B-Comp2C	Containerized Solids	Phys/Comp	1		1235	1535	3931	
VS4-CS-12B-Grab 1	Containerized Solids	Archive	1		1235		520g	32; 1,896g
VS4-CS-12B-Grab 2	Containerized Solids	Archive	1		1250		518g	42; 2,127g
VS4-CS-12B-Grab 3	Containerized Solids	Archive	1		1305		627g	50; 2,022g
VS4-CS-12B-Grab 4	Containerized Solids	Archive	1		1320		521g	60; 2,345g
VS4-CS-12B-Grab 5	Containerized Solids	Archive	1		1335		517g	68; 1,702g
VS4-CS-12B-Grab 6	Containerized Solids	Archive	1		1350		604g	80; 1,889g
VS4-CS-12B-Grab 7	Containerized Solids	Archive	1		1405		544g	88; 1,702g
VS4-CS-12B-Grab 8	Containerized Solids	Archive	1		1420		513g	98; 1,902g
VS4-CS-12B-Grab 9	Containerized Solids	Archive	1		1435		504g	106; 1,944g
VS4-CS-12B-Grab 10	Containerized Solids	Archive	1		1450		519g	118; 1,792g
VS4-CS-12B-Grab 11	Containerized Solids	Archive	1		1505		535g	126; 1,724g
VS4-CS-12B-Grab 12	Containerized Solids	Archive	1		1520		526g	136; 1,735g
VS4-CS-12B-Grab 13	Containerized Solids	Archive	1		1535		499g	143; 1,530g
VS4-CS-12B-Grab 14	Containerized Solids	Archive	1					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-LBW-12A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	2A	10/24/13	1035		2,500 mL	
VS4-LBW-12A-Grab 1	Low Btu Liquid Waste	Archive	1	2A		0935		500 mL	
VS4-LBW-12A-Grab 2	Low Btu Liquid Waste	Archive	1	2A		0950			
VS4-LBW-12A-Grab 3	Low Btu Liquid Waste	Archive	1	2A		1005			
VS4-LBW-12A-Grab 4	Low Btu Liquid Waste	Archive	1	2A		1020			
VS4-LBW-12A-Grab 5	Low Btu Liquid Waste	Archive	1	2A		1035			
VS4-LBW-12A-Grab 6	Low Btu Liquid Waste	Archive	1	2A					
VS4-LBW-12A-Grab 7	Low Btu Liquid Waste	Archive	1	2A					
VS4-LBW-12A-Grab 8	Low Btu Liquid Waste	Archive	1	2A					
VS4-LBW-12B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	2B	10/24/13	1335		2,700 mL	
VS4-LBW-12B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	2B		1505		3,300 mL	
VS4-LBW-12B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	2B		1535		2,600 mL	
VS4-LBW-12B-Grab 1	Low Btu Liquid Waste	Archive	1	2B		1235		500 mL	
VS4-LBW-12B-Grab 2	Low Btu Liquid Waste	Archive	1	2B		1250			
VS4-LBW-12B-Grab 3	Low Btu Liquid Waste	Archive	1	2B		1305			
VS4-LBW-12B-Grab 4	Low Btu Liquid Waste	Archive	1	2B		1320			
VS4-LBW-12B-Grab 5	Low Btu Liquid Waste	Archive	1	2B		1335			
VS4-LBW-12B-Grab 6	Low Btu Liquid Waste	Archive	1	2B		1350			
VS4-LBW-12B-Grab 7	Low Btu Liquid Waste	Archive	1	2B		1405			
VS4-LBW-12B-Grab 8	Low Btu Liquid Waste	Archive	1	2B		1420			
VS4-LBW-12B-Grab 9	Low Btu Liquid Waste	Archive	1	2B		1435			
VS4-LBW-12B-Grab 10	Low Btu Liquid Waste	Archive	1	2B		1450			
VS4-LBW-12B-Grab 11	Low Btu Liquid Waste	Archive	1	2B		1605			
VS4-LBW-12B-Grab 12	Low Btu Liquid Waste	Archive	1	2B		1520			
VS4-LBW-12B-Grab 13	Low Btu Liquid Waste	Archive	1	2B		1535			
VS4-LBW-12B-Grab 14	Low Btu Liquid Waste	Archive	1	2B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond Run	Date	Time	TW	GW	Comments
VS4-HBW-12A-Comp1	High Btu Liquid Waste	Phys/Comp	1	08/11/13	1036		2,500 mL	
VS4-HBW-12A-Grab 1	High Btu Liquid Waste	Archive	1		0936		500 mL	
VS4-HBW-12A-Grab 2	High Btu Liquid Waste	Archive	1		0951			
VS4-HBW-12A-Grab 3	High Btu Liquid Waste	Archive	1		1006			
VS4-HBW-12A-Grab 4	High Btu Liquid Waste	Archive	1		1021			
VS4-HBW-12A-Grab 5	High Btu Liquid Waste	Archive	1		1036			
VS4-HBW-12A-Grab 6	High Btu Liquid Waste	Archive	1					
VS4-HBW-12A-Grab 7	High Btu Liquid Waste	Archive	1					
VS4-HBW-12A-Grab 8	High Btu Liquid Waste	Archive	1					
VS4-HBW-12B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	08/11/13	1335		2,500 mL	
VS4-HBW-12B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1		1506		2,300 mL	
VS4-HBW-12B-Comp2C	High Btu Liquid Waste	Phys/Comp	1		1736		2,600 mL	
VS4-HBW-12B-Grab 1	High Btu Liquid Waste	Archive	1		1236		500 mL	
VS4-HBW-12B-Grab 2	High Btu Liquid Waste	Archive	1		1251			
VS4-HBW-12B-Grab 3	High Btu Liquid Waste	Archive	1		1306			
VS4-HBW-12B-Grab 4	High Btu Liquid Waste	Archive	1		1321			
VS4-HBW-12B-Grab 5	High Btu Liquid Waste	Archive	1		1336			
VS4-HBW-12B-Grab 6	High Btu Liquid Waste	Archive	1		1351			
VS4-HBW-12B-Grab 7	High Btu Liquid Waste	Archive	1		1406			
VS4-HBW-12B-Grab 8	High Btu Liquid Waste	Archive	1		1421			
VS4-HBW-12B-Grab 9	High Btu Liquid Waste	Archive	1		1436			
VS4-HBW-12B-Grab 10	High Btu Liquid Waste	Archive	1		1451			
VS4-HBW-12B-Grab 11	High Btu Liquid Waste	Archive	1		1506			
VS4-HBW-12B-Grab 12	High Btu Liquid Waste	Archive	1		1521			
VS4-HBW-12B-Grab 13	High Btu Liquid Waste	Archive	1		1536			
VS4-HBW-12B-Grab 14	High Btu Liquid Waste	Archive	1					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-LWF-12A-Comp1	Liquid Waste Feed	Phys/Comp	1	2A	10/24/13	1037		2500 mL	
VS4-LWF-12A-Grab 1	Liquid Waste Feed	Archive	1	2A		0937		500 mL	
VS4-LWF-12A-Grab 2	Liquid Waste Feed	Archive	1	2A		0952			
VS4-LWF-12A-Grab 3	Liquid Waste Feed	Archive	1	2A		1007			
VS4-LWF-12A-Grab 4	Liquid Waste Feed	Archive	1	2A		1022			
VS4-LWF-12A-Grab 5	Liquid Waste Feed	Archive	1	2A		1027			
VS4-LWF-12A-Grab 6	Liquid Waste Feed	Archive	1	2A					
VS4-LWF-12A-Grab 7	Liquid Waste Feed	Archive	1	2A					
VS4-LWF-12A-Grab 8	Liquid Waste Feed	Archive	1	2A					
VS4-LWF-12B-Comp2A	Liquid Waste Feed	Phys/Comp	1	2B	10/24/13	1335		2500 mL	
VS4-LWF-12B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	2B		1507		3300 mL	
VS4-LWF-12B-Comp2C	Liquid Waste Feed	Phys/Comp	1	2B		1537		2600 mL	
VS4-LWF-12B-Grab 1	Liquid Waste Feed	Archive	1	2B		1237		500 mL	
VS4-LWF-12B-Grab 2	Liquid Waste Feed	Archive	1	2B		1252			
VS4-LWF-12B-Grab 3	Liquid Waste Feed	Archive	1	2B		1307			
VS4-LWF-12B-Grab 4	Liquid Waste Feed	Archive	1	2B		1322			
VS4-LWF-12B-Grab 5	Liquid Waste Feed	Archive	1	2B		1335			
VS4-LWF-12B-Grab 6	Liquid Waste Feed	Archive	1	2B		1352			
VS4-LWF-12B-Grab 7	Liquid Waste Feed	Archive	1	2B		1407			
VS4-LWF-12B-Grab 8	Liquid Waste Feed	Archive	1	2B		1422			
VS4-LWF-12B-Grab 9	Liquid Waste Feed	Archive	1	2B		1437			
VS4-LWF-12B-Grab 10	Liquid Waste Feed	Archive	1	2B		1452			
VS4-LWF-12B-Grab 11	Liquid Waste Feed	Archive	1	2B		1507			
VS4-LWF-12B-Grab 12	Liquid Waste Feed	Archive	1	2B		1522			
VS4-LWF-12B-Grab 13	Liquid Waste Feed	Archive	1	2B		1537			
VS4-LWF-12B-Grab 14	Liquid Waste Feed	Archive	1	2B					

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-12A-COMP_1
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2A
 Start Time 0936
 Stop Time 1036

Sample Number	Time	Volume/Mass
1	0936	506g
2	0951	512g
3	1006	512g
4	1021	492g
5	1036	489g
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		2,510g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	2B
Stream Name	Bulk Solids (BS)	Start Time	1236
Composite Sample ID	VS4-BS-1 2B -COMP 2A	Stop Time	1335
Operator			

Sample Number	Time	Volume/Mass
1	1236	506g
2	1251	496g
3	1306	506g
4	1321	512g
5	1335	499g
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		2,519g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Retain the remaining sample in the 1000 ml jars and archive.

sampled from X-11 CH 10/24/13

Bulk Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	2B
Stream Name	Bulk Solids (BS)	Start Time	1236
Composite Sample ID	VS4-BS-12B-COMP2B	Stop Time	1506
Operator			

Sample Number	Time	Volume/Mass
1	1236	310g
2	1251	296g
3	1306	299g
4	1321	303g
5	1335	305g
6	1351	315g
7	1406	307g
8	1421	297g
9	1436	296g
10	1451	298g
11	1506	306g
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		3,332g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-12B-COMP2C
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2B
 Start Time 1236
 Stop Time 1536

Sample Number	Time	Volume/Mass
1	1236	306g
2	1251	314g
3	1306	294g
4	1321	299g
5	1335	296g
6	1351	320g
7	1406	308g
8	1421	302g
9	1436	290g
10	1451	301g
11	1506	292g
12	1521	297g
13	1536	298g
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		3.917g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS4-CS-1~~2~~A-COMP 1
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2A
 Start Time 0935
 Stop Time 1035

Sample Number	Container ID	Time	Volume/ Mass
1	32	0935	502g
2	42	0950	518g
3	50	1005	508g
4	60	1020	496g
5	67	1036	498g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,518g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	2B
Stream Name	Containerized Solids (CS)	Start Time	1235
Composite Sample ID	VS4-CS-1 2B -COMP 2A	Stop Time	1336
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1235	507g
2	42	1250	497g
3	50	1305	504g
4	60	1320	503g
5	68	1335	500g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2.511g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS4-CS-1~~08~~-COMP~~08~~
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 28
 Start Time 1235
 Stop Time 1505

Sample Number	Container ID	Time	Volume/ Mass
1	32	1235	299g
2	42	1250	301g
3	50	1305	297g
4	60	1320	296g
5	68	1335	297g
6	80	1350	302g
7	88	1405	294g
8	98	1420	301g
9	108	1435	300g
10	118	1450	295g
11	126	1505	298g
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,280g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS4-CS-128-COMP2C
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 28
 Start Time 1235
 Stop Time 1535

Sample Number	Container ID	Time	Volume/ Mass
1	32	1235	300g
2	42	1250	303g
3	50	1305	306g
4	60	1320	294g
5	68	1335	299g
6	80	1350	306g
7	88	1405	300g
8	98	1420	300g
9	108	1435	308g
10	118	1450	300g
11	126	1505	302g
12	136	1520	313g
13	143	1535	300g
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,931g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-12A-COMP 1
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2A
 Start Time 0936
 Stop Time 1035

Sample Number	Time	Volume/Mass
1	0936	500 mL
2	0950	
3	1005	
4	1020	
5	1035	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Sample collected from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-1~~2B~~-COMP~~2A~~
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2B
 Start Time 1235
 Stop Time 1235

Sample Number	Time	Volume/Mass
1	1235	500 mL
2	1250	
3	1205	
4	1320	
5	1335	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-12B-COMP 2B
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 28
 Start Time 1235
 Stop Time 1505

Sample Number	Time	Volume/Mass
1	1235	300 mL
2	1250	
3	1305	
4	1320	
5	1335	
6	1350	
7	1405	
8	1420	
9	1435	
10	1450	
11	1505	
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-11 stream

Collect duplicate VS3-LBW-12B-COMP 2B-DUP

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-12B-COMP2C
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 28
 Start Time 1235
 Stop Time 1535

Sample Number	Time	Volume/Mass	
1	1235	200 mL	
2	1250		
3	1305		
4	1320		
5	1335		
6	1350		
7	1405		
8	1420		
9	1435		
10	1450		
11	1505		
12	1520		
13	1535		+
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~2A~~-COMP L
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2A
 Start Time 0936
 Stop Time _____

Sample Number	Time	Volume/Mass
1	0936	500 mL
2	0951	↓
3	1006	
4	1021	
5	1036	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~AB~~-COMP~~2A~~
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2B
 Start Time 1236
 Stop Time 1335

Sample Number	Time	Volume/Mass
1	1236	500 mL
2	1251	↓
3	1306	
4	1321	
5	1335	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-12B-COMP2B
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2B
 Start Time 1236
 Stop Time 1506

Sample Number	Time	Volume/Mass	
1	1236	300 mL	
2	1251		
3	1306		
4	1321		
5	1335		
6	1351		
7	1406		
8	1421		
9	1436		
10	1451		
11	1506		+
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-12 stream

Collect duplicate VS3 - HBW - 12B - COMP 2B - DUP

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-1~~28~~-COMP ~~ac~~
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 28
 Start Time 1236
 Stop Time 1536

Sample Number	Time	Volume/Mass
1	1236	200 mL
2	1251	
3	1306	
4	1321	
5	1335	
6	1351	
7	1406	
8	1421	
9	1436	
10	1451	
11	1506	
12	1521	
13	1536	
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-1~~2A~~-COMP 1
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2A
 Start Time 0937
 Stop Time 1037

Sample Number	Time	Volume/Mass
1	0937	500 mL
2	0952	
3	1007	
4	1022	
5	1037	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-12B-COMP2A
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2B
 Start Time 1237
 Stop Time 1335

Sample Number	Time	Volume/Mass
1	1237	500 mL
2	1252	
3	1307	
4	1322	
5	1335	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-12B-COMP2B
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 2B
 Start Time 1237
 Stop Time 1507

Sample Number	Time	Volume/Mass	
1	1237	300 mL	
2	1252		
3	1307		
4	1322		
5	1335		
6	1352		
7	1407		
8	1422		
9	1437		
10	1452		
11	1507		+
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-22 stream

Collected duplicate- sample VS4-LWF-12B-COMP2B-DUP

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-1²⁸-COMP²⁵
 Operator _____

Date 10/24/13
 Condition No. 1
 Run No 28
 Start Time 1237
 Stop Time 1537

Sample Number	Time	Volume/Mass	
1	1237	200 mL	
2	1252		
3	1307		
4	1322		
5	1335		
6	1352		
7	1407		
8	1422		
9	1437		
10	1452		
11	1507		
12	1522		
13	1537		+
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-22 stream



DAILY RECORD OF EVENTS

DATE:	10-25-83	PAGE	1	OF	
NAME:	Kathleen Richard (KRP) - Teresa Davis (THD) - Cameron Holland (CH)				
TO (FILE/PM):	Mike Fuchs (MF)				
PROJECT #:	49092525				

CLIENT: Veolia SITE: Sauget, IL

SUBJECT: Waste Sampling - Unit #4

- 0715 Depart hotel for site.
- 0730 All on-site and check-in. Hold Tailgate health & safety meeting. Weather currently 30°F, sunny, high near 50°F. Proceed to sampling area to begin prepping gear/supplies.
- 0935 Begin Run 3A on unit 4.
- 1040 Finish Run 3A on unit 4.
- 1050 Begin Run 4A - Unit 4
- 1155 Finish Run 4A - Unit 4.
- 1335 Begin Run 3B - Unit 4
- 1336 Collect spike samples
Cl: H-496 Pb: L-1281 Hg: 2219
- 1435 HCl/H2a train complete; Collect sample Comp A at 1435
- 1436 Collect spike samples
Cl: H-1456 Pb: L-1313 Hg: 2164
- 1611 Metals train complete; Collect sample Comp B at 1605
- ~~1641 Ds and Fs train complete CH 10/25/83~~
- 1615 Collect spike samples
Cl: H-1397 Pb: L-1471 Hg: 2139
- 1641 Ds and Fs train complete; Collect sample Comp C at 1635 - Run 3B ends
- 1643 Collect spike samples for archive
Cl: H-1389 Pb: L-1464 Hg: 2103
- 1650 THD composites/mixes comp samples for solids
CH/KRP begin to clean/organize samples
Complete COCs.
- 1820 Review all paper work/COCs. Hand COCs to Kevin McGinn.
All samples stored on west wall of loading dock. Cameron Holland signs COCs.

Field Balance Calibration Check

Project Name Veolia-Sauget, IL
 Project Number 40942525.40-02
 Facility Unit 3
 Balance ID # 5486

Calibration Checked by	Initials	<u>TAD</u>
	Date	<u>10/25/13</u>

	Student Calibration Weight ^{a,b} (g)	Actual Mass (from Annual Calibration) (g)	Balance Reading (g)	Difference (g)	Percent Difference ^c	
Calibration Check of Balance Using Student Weights Student Weight Set ID: <u>16978</u>	20		20.0			
	50		50.0			
	100		100.0			
	200		200.0			
	500		500.1			
	1000		1000.2			

- ^a Use only calibration weights greater than 20 g.
- ^b If the balance is used to weigh amounts greater than 1000g, combine the 1000 and 500 gram weights for a calibration check.
- ^c The acceptance criteria for percent difference is ±0.5%. This is calculated using this equation:

$$\text{Percent Difference} = \frac{\text{balance reading} - \text{actual mass}}{\text{actual mass}} \times 100$$

CDS-08B: Field Balance Calibration
Per EM SOP-010
Revision Date: March 2012
Reviewed: July 2013

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-BS-13A-Comp1	Bulk Solids	Phys/Comp	1	3A	10/23/19	1036		2,765g	
VS4-BS-13A-Grab 1	Bulk Solids	Archive	1	3A		0936		969g	
VS4-BS-13A-Grab 2	Bulk Solids	Archive	1	3A		0951		852g	1,971g
VS4-BS-13A-Grab 3	Bulk Solids	Archive	1	3A		1006		550g	1,311g
VS4-BS-13A-Grab 4	Bulk Solids	Archive	1	3A		1021		511g	1,501g
VS4-BS-13A-Grab 5	Bulk Solids	Archive	1	3A		1036		706g	1,673g
VS4-BS-13A-Grab 6	Bulk Solids	Archive	1	3A					
VS4-BS-13A-Grab 7	Bulk Solids	Archive	1	3A					
VS4-BS-13A-Grab 8	Bulk Solids	Archive	1	3A					
VS4-BS-13B-Comp2A	Bulk Solids	Phys/Comp	1	3B	10/23/19	1435		2,522g	
VS4-BS-13B-Comp2B	Bulk Solids	Phys/Comp, Metals	1	3B		1606		3,347g	
VS4-BS-13B-Comp2C	Bulk Solids	Phys/Comp	1	3B		1636		3931g	
VS4-BS-13B-Grab 1	Bulk Solids	Archive	1	3B		1336		596g	2,846g
VS4-BS-13B-Grab 2	Bulk Solids	Archive	1	3B		1350		558g	2,417g
VS4-BS-13B-Grab 3	Bulk Solids	Archive	1	3B		1406		791g	2,562g
VS4-BS-13B-Grab 4	Bulk Solids	Archive	1	3B		1421		801g	2,360g
VS4-BS-13B-Grab 5	Bulk Solids	Archive	1	3B		1435		619g	2,596g
VS4-BS-13B-Grab 6	Bulk Solids	Archive	1	3B		1451		597g	1,897g
VS4-BS-13B-Grab 7	Bulk Solids	Archive	1	3B		1506		643g	1,343g
VS4-BS-13B-Grab 8	Bulk Solids	Archive	1	3B		1521		594g	1,698g
VS4-BS-13B-Grab 9	Bulk Solids	Archive	1	3B		1536		549g	1,586g
VS4-BS-13B-Grab 10	Bulk Solids	Archive	1	3B		1551		551g	1,902g
VS4-BS-13B-Grab 11	Bulk Solids	Archive	1	3B		1606		550g	1,426g
VS4-BS-13B-Grab 12	Bulk Solids	Archive	1	3B		1621		644g	1,380g
VS4-BS-13B-Grab 13	Bulk Solids	Archive	1	3B		1636		633g	1,176g
VS4-BS-13B-Grab 14	Bulk Solids	Archive	1	3B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-CS-13A-Comp1	Containerized Solids	Phys/Comp	1	3A	10/27/19	1036		2,579g	
VS4-CS-13A-Grab 1	Containerized Solids	Archive	1	3A		0935		642g	32; 2,040g
VS4-CS-13A-Grab 2	Containerized Solids	Archive	1	3A		0950		539g	42; 1,482g
VS4-CS-13A-Grab 3	Containerized Solids	Archive	1	3A		1006		466g	50; 1,262g
VS4-CS-13A-Grab 4	Containerized Solids	Archive	1	3A		1020		523g	60; 1,225g
VS4-CS-13A-Grab 5	Containerized Solids	Archive	1	3A		1036		576g	70; 1,293g
VS4-CS-13A-Grab 6	Containerized Solids	Archive	1	3A					
VS4-CS-13A-Grab 7	Containerized Solids	Archive	1	3A					
VS4-CS-13A-Grab 8	Containerized Solids	Archive	1	3A					
VS4-CS-13B-Comp2A	Containerized Solids	Phys/Comp	1	3B	10/29/19	1435		2,511g	
VS4-CS-13B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	3B		1606		3,362g	
VS4-CS-13B-Comp2C	Containerized Solids	Phys/Comp	1	3B		1635		3,966g	
VS4-CS-13B-Grab 1	Containerized Solids	Archive	1	3B		1335		536g	32; 2,073g
VS4-CS-13B-Grab 2	Containerized Solids	Archive	1	3B		1350		566g	42; 1,830g
VS4-CS-13B-Grab 3	Containerized Solids	Archive	1	3B		1405		553g	50; 1,926g
VS4-CS-13B-Grab 4	Containerized Solids	Archive	1	3B		1426		532g	60; 1,979g
VS4-CS-13B-Grab 5	Containerized Solids	Archive	1	3B		1425		522g	70; 1,933g
VS4-CS-13B-Grab 6	Containerized Solids	Archive	1	3B		1450		400g	80; 1,376g
VS4-CS-13B-Grab 7	Containerized Solids	Archive	1	3B		1505		515g	88; 1,409g
VS4-CS-13B-Grab 8	Containerized Solids	Archive	1	3B		1520		530g	99; 1,387g
VS4-CS-13B-Grab 9	Containerized Solids	Archive	1	3B		1535		476g	109; 1,210g
VS4-CS-13B-Grab 10	Containerized Solids	Archive	1	3B		1550		520g	119; 1,305g
VS4-CS-13B-Grab 11	Containerized Solids	Archive	1	3B		1606		525g	127; 1,331g
VS4-CS-13B-Grab 12	Containerized Solids	Archive	1	3B		1620		561g	137; 1,123g
VS4-CS-13B-Grab 13	Containerized Solids	Archive	1	3B		1626		582g	143; 944g
VS4-CS-13B-Grab 14	Containerized Solids	Archive	1	3B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-LBW-13A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	3A	12/23/15	1035		2,500 mL	
VS4-LBW-13A-Grab 1	Low Btu Liquid Waste	Archive	1	3A		0935		500 mL	
VS4-LBW-13A-Grab 2	Low Btu Liquid Waste	Archive	1	3A		0950			
VS4-LBW-13A-Grab 3	Low Btu Liquid Waste	Archive	1	3A		1005			
VS4-LBW-13A-Grab 4	Low Btu Liquid Waste	Archive	1	3A		1020			
VS4-LBW-13A-Grab 5	Low Btu Liquid Waste	Archive	1	3A		1035			
VS4-LBW-13A-Grab 6	Low Btu Liquid Waste	Archive	1	3A					
VS4-LBW-13A-Grab 7	Low Btu Liquid Waste	Archive	1	3A					
VS4-LBW-13A-Grab 8	Low Btu Liquid Waste	Archive	1	3A					
VS4-LBW-13B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	3B	12/23/15	1435		2,500 mL	
VS4-LBW-13B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	3B		1605		3,300 mL	
VS4-LBW-13B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	3B		1635		2,600 mL	
VS4-LBW-13B-Grab 1	Low Btu Liquid Waste	Archive	1	3B		1335		500 mL	
VS4-LBW-13B-Grab 2	Low Btu Liquid Waste	Archive	1	3B		1350			
VS4-LBW-13B-Grab 3	Low Btu Liquid Waste	Archive	1	3B		1405			
VS4-LBW-13B-Grab 4	Low Btu Liquid Waste	Archive	1	3B		1420			
VS4-LBW-13B-Grab 5	Low Btu Liquid Waste	Archive	1	3B		1435			
VS4-LBW-13B-Grab 6	Low Btu Liquid Waste	Archive	1	3B		1450			
VS4-LBW-13B-Grab 7	Low Btu Liquid Waste	Archive	1	3B		1505			
VS4-LBW-13B-Grab 8	Low Btu Liquid Waste	Archive	1	3B		1520			
VS4-LBW-13B-Grab 9	Low Btu Liquid Waste	Archive	1	3B		1535			
VS4-LBW-13B-Grab 10	Low Btu Liquid Waste	Archive	1	3B		1550			
VS4-LBW-13B-Grab 11	Low Btu Liquid Waste	Archive	1	3B		1605			
VS4-LBW-13B-Grab 12	Low Btu Liquid Waste	Archive	1	3B		1620			
VS4-LBW-13B-Grab 13	Low Btu Liquid Waste	Archive	1	3B		1635			
VS4-LBW-13B-Grab 14	Low Btu Liquid Waste	Archive	1	3B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-HBW-13A-Comp1	High Btu Liquid Waste	Phys/Comp	1	3A	10/27/13	1036		2,500 mL	
VS4-HBW-13A-Grab 1	High Btu Liquid Waste	Archive	1	3A		0936		500 mL	
VS4-HBW-13A-Grab 2	High Btu Liquid Waste	Archive	1	3A		0901			
VS4-HBW-13A-Grab 3	High Btu Liquid Waste	Archive	1	3A		1006			
VS4-HBW-13A-Grab 4	High Btu Liquid Waste	Archive	1	3A		1021			
VS4-HBW-13A-Grab 5	High Btu Liquid Waste	Archive	1	3A		1036			
VS4-HBW-13A-Grab 6	High Btu Liquid Waste	Archive	1	3A					
VS4-HBW-13A-Grab 7	High Btu Liquid Waste	Archive	1	3A					
VS4-HBW-13A-Grab 8	High Btu Liquid Waste	Archive	1	3A					
VS4-HBW-13B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	3B	10/25/13	1435		2,500 mL	
VS4-HBW-13B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	3B		1606		3,300 mL	
VS4-HBW-13B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	3B		1636		2,600 mL	
VS4-HBW-13B-Grab 1	High Btu Liquid Waste	Archive	1	3B		1336		500 mL	
VS4-HBW-13B-Grab 2	High Btu Liquid Waste	Archive	1	3B		1351			
VS4-HBW-13B-Grab 3	High Btu Liquid Waste	Archive	1	3B		1406			
VS4-HBW-13B-Grab 4	High Btu Liquid Waste	Archive	1	3B		1421			
VS4-HBW-13B-Grab 5	High Btu Liquid Waste	Archive	1	3B		1435			
VS4-HBW-13B-Grab 6	High Btu Liquid Waste	Archive	1	3B		1451			
VS4-HBW-13B-Grab 7	High Btu Liquid Waste	Archive	1	3B		1506			
VS4-HBW-13B-Grab 8	High Btu Liquid Waste	Archive	1	3B		1521			
VS4-HBW-13B-Grab 9	High Btu Liquid Waste	Archive	1	3B		1536			
VS4-HBW-13B-Grab 10	High Btu Liquid Waste	Archive	1	3B		1551			
VS4-HBW-13B-Grab 11	High Btu Liquid Waste	Archive	1	3B		1606			
VS4-HBW-13B-Grab 12	High Btu Liquid Waste	Archive	1	3B		1621			
VS4-HBW-13B-Grab 13	High Btu Liquid Waste	Archive	1	3B		1636			
VS4-HBW-13B-Grab 14	High Btu Liquid Waste	Archive	1	3B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-LWF-13A-Comp1	Liquid Waste Feed	Phys/Comp	1	3A	10/25/13	1037		2,500 mL	
VS4-LWF-13A-Grab 1	Liquid Waste Feed	Archive	1	3A		0937		500 mL	
VS4-LWF-13A-Grab 2	Liquid Waste Feed	Archive	1	3A		0932			
VS4-LWF-13A-Grab 3	Liquid Waste Feed	Archive	1	3A		1007			
VS4-LWF-13A-Grab 4	Liquid Waste Feed	Archive	1	3A		1022			
VS4-LWF-13A-Grab 5	Liquid Waste Feed	Archive	1	3A		1037			
VS4-LWF-13A-Grab 6	Liquid Waste Feed	Archive	1	3A					
VS4-LWF-13A-Grab 7	Liquid Waste Feed	Archive	1	3A					
VS4-LWF-13A-Grab 8	Liquid Waste Feed	Archive	1	3A					
VS4-LWF-13B-Comp2A	Liquid Waste Feed	Phys/Comp	1	3B	10/25/13	1495		2,500 mL	
VS4-LWF-13B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	3B		1607		2,300 mL	
VS4-LWF-13B-Comp2C	Liquid Waste Feed	Phys/Comp	1	3B		1637		2,600 mL	
VS4-LWF-13B-Grab 1	Liquid Waste Feed	Archive	1	3B		1337		500 mL	
VS4-LWF-13B-Grab 2	Liquid Waste Feed	Archive	1	3B		1352			
VS4-LWF-13B-Grab 3	Liquid Waste Feed	Archive	1	3B		1407			
VS4-LWF-13B-Grab 4	Liquid Waste Feed	Archive	1	3B		1422			
VS4-LWF-13B-Grab 5	Liquid Waste Feed	Archive	1	3B		1436			
VS4-LWF-13B-Grab 6	Liquid Waste Feed	Archive	1	3B		1452			
VS4-LWF-13B-Grab 7	Liquid Waste Feed	Archive	1	3B		1507			
VS4-LWF-13B-Grab 8	Liquid Waste Feed	Archive	1	3B		1522			
VS4-LWF-13B-Grab 9	Liquid Waste Feed	Archive	1	3B		1537			
VS4-LWF-13B-Grab 10	Liquid Waste Feed	Archive	1	3B		1552			
VS4-LWF-13B-Grab 11	Liquid Waste Feed	Archive	1	3B		1607			
VS4-LWF-13B-Grab 12	Liquid Waste Feed	Archive	1	3B		1622			
VS4-LWF-13B-Grab 13	Liquid Waste Feed	Archive	1	3B		1637			
VS4-LWF-13B-Grab 14	Liquid Waste Feed	Archive	1	3B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-BS-14A-Comp1	Bulk Solids	Phys/Comp	1	4A	9/13/13	1151		2531g	
VS4-BS-14A-Grab 1	Bulk Solids	Archive	1	4A		1051		572g	1,397g
VS4-BS-14A-Grab 2	Bulk Solids	Archive	1	4A		1106		561g	1,831g
VS4-BS-14A-Grab 3	Bulk Solids	Archive	1	4A		1121		545g	1,693g
VS4-BS-14A-Grab 4	Bulk Solids	Archive	1	4A		1136		672g	1,604g
VS4-BS-14A-Grab 5	Bulk Solids	Archive	1	4A		1151		521g	1,724g
VS4-BS-14A-Grab 6	Bulk Solids	Archive	1	4A					
VS4-BS-14A-Grab 7	Bulk Solids	Archive	1	4A					
VS4-BS-14A-Grab 8	Bulk Solids	Archive	1	4A					
VS4-BS-14B-Comp2A	Bulk Solids	Phys/Comp	1	4B					
VS4-BS-14B-Comp2B	Bulk Solids	Phys/Comp, Metals	1	4B					
VS4-BS-14B-Comp2C	Bulk Solids	Phys/Comp	1	4B					
VS4-BS-14B-Grab 1	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 2	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 3	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 4	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 5	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 6	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 7	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 8	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 9	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 10	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 11	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 12	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 13	Bulk Solids	Archive	1	4B					
VS4-BS-14B-Grab 14	Bulk Solids	Archive	1	4B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-CS-14A-Comp1	Containerized Solids	Phys/Comp	1	4A	10/23/16	1050			
VS4-CS-14A-Grab 1	Containerized Solids	Archive	1	4A		1055		511g	78; 1080g
VS4-CS-14A-Grab 2	Containerized Solids	Archive	1	4A		1105		535g	86; 1267g
VS4-CS-14A-Grab 3	Containerized Solids	Archive	1	4A		1120		574g	96; 1236g
VS4-CS-14A-Grab 4	Containerized Solids	Archive	1	4A		1135		506g	106; 1139g
VS4-CS-14A-Grab 5	Containerized Solids	Archive	1	4A		1150		525g	114; 1170g
VS4-CS-14A-Grab 6	Containerized Solids	Archive	1	4A					
VS4-CS-14A-Grab 7	Containerized Solids	Archive	1	4A					
VS4-CS-14A-Grab 8	Containerized Solids	Archive	1	4A					
VS4-CS-14B-Comp2A	Containerized Solids	Phys/Comp	1	4B					
VS4-CS-14B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	4B					
VS4-CS-14B-Comp2C	Containerized Solids	Phys/Comp	1	4B					
VS4-CS-14B-Grab 1	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 2	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 3	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 4	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 5	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 6	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 7	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 8	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 9	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 10	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 11	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 12	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 13	Containerized Solids	Archive	1	4B					
VS4-CS-14B-Grab 14	Containerized Solids	Archive	1	4B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT
Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-LBW-14A-Comp1	Low Btu Liquid Waste	Phys/Comp	1	4A	08/19	1150		2500 mL	
VS4-LBW-14A-Grab 1	Low Btu Liquid Waste	Archive	1	4A		1050		500 mL	
VS4-LBW-14A-Grab 2	Low Btu Liquid Waste	Archive	1	4A		1105			
VS4-LBW-14A-Grab 3	Low Btu Liquid Waste	Archive	1	4A		1120			
VS4-LBW-14A-Grab 4	Low Btu Liquid Waste	Archive	1	4A		1135			
VS4-LBW-14A-Grab 5	Low Btu Liquid Waste	Archive	1	4A		1150			
VS4-LBW-14A-Grab 6	Low Btu Liquid Waste	Archive	1	4A					
VS4-LBW-14A-Grab 7	Low Btu Liquid Waste	Archive	1	4A					
VS4-LBW-14A-Grab 8	Low Btu Liquid Waste	Archive	1	4A					
VS4-LBW-14B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	4B					
VS4-LBW-14B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	4B					
VS4-LBW-14B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	4B					
VS4-LBW-14B-Grab 1	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 2	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 3	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 4	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 5	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 6	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 7	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 8	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 9	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 10	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 11	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 12	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 13	Low Btu Liquid Waste	Archive	1	4B					
VS4-LBW-14B-Grab 14	Low Btu Liquid Waste	Archive	1	4B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942525.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-HBW-14A-Comp1	High Btu Liquid Waste	Phys/Comp	1	4A	11/5/15	1151		2,500 mL	
VS4-HBW-14A-Grab 1	High Btu Liquid Waste	Archive	1	4A		1051		500 mL	
VS4-HBW-14A-Grab 2	High Btu Liquid Waste	Archive	1	4A		1106			
VS4-HBW-14A-Grab 3	High Btu Liquid Waste	Archive	1	4A		1121			
VS4-HBW-14A-Grab 4	High Btu Liquid Waste	Archive	1	4A		1136			
VS4-HBW-14A-Grab 5	High Btu Liquid Waste	Archive	1	4A		1151			
VS4-HBW-14A-Grab 6	High Btu Liquid Waste	Archive	1	4A					
VS4-HBW-14A-Grab 7	High Btu Liquid Waste	Archive	1	4A					
VS4-HBW-14A-Grab 8	High Btu Liquid Waste	Archive	1	4A					
VS4-HBW-14B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	4B					
VS4-HBW-14B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	4B					
VS4-HBW-14B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	4B					
VS4-HBW-14B-Grab 1	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 2	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 3	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 4	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 5	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 6	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 7	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 8	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 9	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 10	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 11	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 12	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 13	High Btu Liquid Waste	Archive	1	4B					
VS4-HBW-14B-Grab 14	High Btu Liquid Waste	Archive	1	4B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-LWF-14A-Comp1	Liquid Waste Feed	Phys/Comp	1	4A	10/25/15	1152		2500 mL	
VS4-LWF-14A-Grab 1	Liquid Waste Feed	Archive	1	4A		1052		500 mL	
VS4-LWF-14A-Grab 2	Liquid Waste Feed	Archive	1	4A		1107			
VS4-LWF-14A-Grab 3	Liquid Waste Feed	Archive	1	4A		1122			
VS4-LWF-14A-Grab 4	Liquid Waste Feed	Archive	1	4A		1137			
VS4-LWF-14A-Grab 5	Liquid Waste Feed	Archive	1	4A		1152			
VS4-LWF-14A-Grab 6	Liquid Waste Feed	Archive	1	4A					
VS4-LWF-14A-Grab 7	Liquid Waste Feed	Archive	1	4A					
VS4-LWF-14A-Grab 8	Liquid Waste Feed	Archive	1	4A					
VS4-LWF-14B-Comp2A	Liquid Waste Feed	Phys/Comp	1	4B					
VS4-LWF-14B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	4B					
VS4-LWF-14B-Comp2C	Liquid Waste Feed	Phys/Comp	1	4B					
VS4-LWF-14B-Grab 1	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 2	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 3	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 4	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 5	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 6	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 7	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 8	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 9	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 10	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 11	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 12	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 13	Liquid Waste Feed	Archive	1	4B					
VS4-LWF-14B-Grab 14	Liquid Waste Feed	Archive	1	4B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-CR-11B-Grab1	Chromium Spiking Soln	Metals	1	1B	10/23/15	1836			
VS4-CR-11B-Grab2	Chromium Spiking Soln	Metals	1	1B		1340			
VS4-CR-11B-Grab3	Chromium Spiking Soln	Metals	1	1B		1515			
VS4-CR-11B-Grab4	Chromium Spiking Soln	Metals	1	1B		1551			
VS4-CR-12B-Grab1	Chromium Spiking Soln	Metals	1	2B	10/24/15	1235			
VS4-CR-12B-Grab2	Chromium Spiking Soln	Metals	1	2B		1417			
VS4-CR-12B-Grab3	Chromium Spiking Soln	Metals	1	2B		1547			
VS4-CR-12B-Grab4	Chromium Spiking Soln	Metals	1	2B		133			
VS4-CR-13B-Grab1	Chromium Spiking Soln	Metals	1	3B	10/23/15	1336			
VS4-CR-13B-Grab2	Chromium Spiking Soln	Metals	1	3B		1436			
VS4-CR-13B-Grab3	Chromium Spiking Soln	Metals	1	3B		1615			
VS4-CR-13B-Grab4	Chromium Spiking Soln	Metals	1	3B		1643			
VS4-CR-14B-Grab1	Chromium Spiking Soln	Metals	1	4B					
VS4-CR-14B-Grab2	Chromium Spiking Soln	Metals	1	4B					
VS4-CR-14B-Grab3	Chromium Spiking Soln	Metals	1	4B					
VS4-CR-14B-Grab4	Chromium Spiking Soln	Metals	1	4B					
VS4-									
VS4-									
VS4-									
VS4-									
VS4-									
VS4-									
VS4-									
VS4-									
VS4-									
VS4-									
VS4-									

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-1~~3A~~-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3A
 Start Time 0936
 Stop Time 1036

Sample Number	Time	Volume/Mass
1	0936	516g
2	0951	500g
3	1006	519g
4	1021	505g
5	1036	525g
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		2565g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-1 **4A**-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No **4A**
 Start Time 1051
 Stop Time 1151

Sample Number	Time	Volume/Mass
1	1051	505g
2	1106	502g
3	1121	503g
4	1136	513g
5	1151	508g
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		2,531g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-138-COMP2A
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 38
 Start Time 1336
 Stop Time 1435

Sample Number	Time	Volume/Mass
1	1336	501g
2	1351	510g
3	1406	505g
4	1421	504g
5	1435	501g
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		2,522g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-1~~30~~-COMP~~26~~
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3B
 Start Time 1336
 Stop Time 1606

Sample Number	Time	Volume/Mass
1	1336	307g
2	1351	302g
3	1406	308g
4	1421	304g
5	1435	306g
6	1451	300g
7	1506	300g
8	1521	306g
9	1536	307g
10	1551	305g
11	1606	307g
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		3,347g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Bulk Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Bulk Solids (BS)
 Composite Sample ID VS4-BS-1~~38~~-COMP~~2C~~
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 38
 Start Time 1336
 Stop Time 1636

Sample Number	Time	Volume/Mass
1	1336	300g
2	1351	304g
3	1406	300g
4	1421	300g
5	1435	304g
6	1451	301g
7	1506	301g
8	1521	300g
9	1536	304g
10	1551	298g
11	1606	313g
12	1621	305g
13	1636	301g
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume/Mass		3,931g

Comments: Collect solids in 1000 ml jar labeled for Archive. Take appropriately-sized and equal aliquots from each jar to prepare the composite sample in a 4 Liter jar. Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet. Retain the remaining sample in the 1000 ml jars and archive.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	3A
Stream Name	Containerized Solids (CS)	Start Time	0935
Composite Sample ID	VS4-CS-13A-COMP 1	Stop Time	1035
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	0935	500g
2	42	0950	508g
3	50	1005	505g
4	60	1020	502g
5	70	1035	502g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,517g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Containerized Solids (CS)
 Composite Sample ID VS4-CS-14A-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 4A
 Start Time 1050
 Stop Time 1150

Sample Number	Container ID	Time	Volume/ Mass
1	78	1050	500g
2	86	1105	506g
3	96	1120	500g
4	106	1135	513g
5	114	1150	504g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,523g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	38
Stream Name	Containerized Solids (CS)	Start Time	1335
Composite Sample ID	VS4-CS-138-COMP2A	Stop Time	1435
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1335	501g
2	42	1350	503g
3	50	1405	506g
4	5860	1420	501g
5	70	1435	500g
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			2,519

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	38
Stream Name	Containerized Solids (CS)	Start Time	1335
Composite Sample ID	VS4-CS-138-COMP28	Stop Time	1605
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1335	304g
2	42	1350	304g
3	50	1405	300g
4	5860	1420	307g
5	70	1436	300g
6	80	1450	306g
7	88	1505	329g
8	99	1520	302g
9	109	1535	314g
10	119	1550	290g
11	127	1605	306g
12			
13			
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3,362g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.
 Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.
 Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	38
Stream Name	Containerized Solids (CS)	Start Time	1335
Composite Sample ID	VS4-CS-138-COMPAC	Stop Time	1635
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1335	301g
2	42	1350	302g
3	50	1405	302g
4	5860	1420	301g
5	70	1435	301g
6	80	1450	301g
7	88	1505	309g
8	99	1520	306g
9	109	1535	313g
10	119	1550	326g
11	127	1605	301g
12	137	1620	302g
13	143	1635	301g
14			
15			
16			
17			
18			
19			
20			

Sample Number	Container ID	Time	Volume/ Mass
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
Final Volume/Mass			3966g

Comments: Take appropriately-sized and equal aliquots from each container to prepare the composite sample in a 4-Liter jar.

Record the volume/mass of each aliquot used to prepare the composite sample on the data sheet.

Collect a representative aliquot of the remaining material in a 500 ml jar to be archived.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-~~13A~~-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3A
 Start Time 0935
 Stop Time 1035

Sample Number	Time	Volume/Mass
1	0935	500 mL
2	0950	
3	1005	
4	1020	
5	1035	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-14A-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 4A
 Start Time 1050
 Stop Time 1150

Sample Number	Time	Volume/Mass
1	1050	500 mL
2	1105	
3	1120	
4	1135	
5	1150	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-1~~3B~~-COMP~~2A~~
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3B
 Start Time 1335
 Stop Time 1436

Sample Number	Time	Volume/Mass
1	1335	500 mL
2	1350	
3	1405	
4	1420	
5	1436	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Collected from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-1~~38~~-COMP~~28~~
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 38
 Start Time 1335
 Stop Time 1605

Sample Number	Time	Volume/Mass
1	1335	500 mL
2	1350	
3	1406	
4	1420	
5	1436	
6	1450	
7	1505	
8	1520	
9	1535	
10	1550	
11	1606	
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 2
 Stream Name Low BTU Liquid Waste (LBW)
 Composite Sample ID VS3-LBW-138-COMP2C
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 38
 Start Time 1335
 Stop Time 1635

Sample Number	Time	Volume/Mass
1	1335	500 mL
2	1350	
3	1405	
4	1420	
5	1435	
6	1450	
7	1505	
8	1520	
9	1535	
10	1550	
11	1605	
12	1620	
13	1635	
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-11 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/05/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	3A
Stream Name	High BTU Liquid Waste (HBW)	Start Time	0936
Composite Sample ID	VS3-HBW-13A-COMP 1	Stop Time	1036
Operator			

Sample Number	Time	Volume/Mass
1	0936	500 mL
2	0951	↓
3	1006	
4	1021	
5	1036	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-14A-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 4A
 Start Time 1051
 Stop Time 1151

Sample Number	Time	Volume/Mass
1	1051	500 mL
2	1106	I
3	1121	
4	1136	
5	1151	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from A-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-13B-COMP2A
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3B
 Start Time 1336
 Stop Time 1435

Sample Number	Time	Volume/Mass
1	1336	500 mL
2	1351	↓
3	1406	
4	1421	
5	1435	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-138-COMP28
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 38
 Start Time 1336
 Stop Time 1606

Sample Number	Time	Volume/Mass
1	1336	500 mL
2	1351	
3	1406	
4	1421	
5	1435	
6	1451	
7	1506	
8	1521	
9	1536	
10	1551	
11	1606	
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from x-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name High BTU Liquid Waste (HBW)
 Composite Sample ID VS3-HBW-13B-COMP ~~AL~~
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3B
 Start Time 1336
 Stop Time 1636

Sample Number	Time	Volume/Mass	
1	1336	500 mL	
2	1351		
3	1406		
4	1421		
5	1436		
6	1451		
7	1506		
8	1521		
9	1536		
10	1551		
11	1606		
12	1621		
13	1636		└
14			
15			
16			
17			
18			
19			
20			

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
sampled from X-12 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-13A-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3A
 Start Time 0937
 Stop Time 1037

Sample Number	Time	Volume/Mass
1	0937	500 mL
2	0952	
3	1007	
4	1022	
5	1037	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-14A-COMP 1
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 4A
 Start Time 1052
 Stop Time 1152

Sample Number	Time	Volume/Mass
1	1052	500 mL
2	1107	
3	1122	
4	1137	
5	1152	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Sampled from X-22 stream.

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-13B-COMP2A
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3B
 Start Time 1337
 Stop Time 1435

Sample Number	Time	Volume/Mass
1	1337	500 mL
2	1352	
3	1407	
4	1422	
5	1435	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,500 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

Sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-13B-COMP2B
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3B
 Start Time 1337
 Stop Time 1607

Sample Number	Time	Volume/Mass
1	1337	500 mL
2	1352	
3	1407	
4	1422	
5	1435	
6	1452	
7	1507	
8	1522	
9	1537	
10	1552	
11	1607	
12		
13		
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		3,300 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.
 Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.
Sampled from X-22 stream

Liquid Waste Feed Sample Composite Data Sheet

Project Name Veolia – Sauget, IL
 Project Number 40942525.20-02
 Facility Unit 4
 Stream Name Liquid Waste Feed (LWF)
 Composite Sample ID VS4-LWF-13B-COMP2C
 Operator _____

Date 10/25/13
 Condition No. 1
 Run No 3B
 Start Time 1337
 Stop Time 1637

Sample Number	Time	Volume/Mass
1	1337	500 mL
2	1352	
3	1407	
4	1422	
5	1435	
6	1452	
7	1507	
8	1522	
9	1537	
10	1552	
11	1607	
12	1622	
13	1637	
14		
15		
16		
17		
18		
19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
Final Volume		2,600 mL

Comments: Collect appropriately-sized and equal aliquots and transfer immediately into a 4-Liter composite jar.

Collect a separate 500 ml bottle of sample at each sampling time to be retained in archives.

sampled from x-22 stream

Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date ⁶	Initials
11% H ₂ O ₂	10/22/13	H ₂ O	1	517	11/22/13	KMM
		HNO ₃	2*	50		
		H ₂ O ₂	2	333		
10% H ₂ SO ₄	10/22/13	H ₂ SO ₄	1	900	11/22/13	KMM
		H ₂ SO ₄	6**	100		
4% KMnO ₄	10/22/13	10% H ₂ SO ₄	1016**	500	10/23/13	KMM
		KMnO ₄	12*	20g		
4% KMnO ₄	10/23/13	10% H ₂ SO ₄	10122	500	10/24/13	KMM
		KMnO ₄	12*	20g		
4% KMnO ₄	10/24/13	10% H ₂ SO ₄	10122	500	10/25/13	KMM
		KMnO ₄	12*	20g		
10% H ₂ SO ₄	10/24/13	H ₂ O	4	900	11/24/13	KMM
		H ₂ SO ₄	6**	100		

Recipes to Make 1 Liter

Sulfuric Acid/Potassium Permanganate
 800 ml Water
 100 ml Concentrated H₂SO₄
 Dilute to 1 L volume
 40 g KMnO₄

Nitric Acid/Hydrogen Peroxide
 500 ml Water
 50 ml concentrated HNO₃
 333 ml 30% H₂O₂
 Dilute to 1 L volume

0.1 N Nitric Acid
 900 ml water
 6.3 ml Concentrated HNO₃
 Dilute to 1 L volume

8N Hydrochloric Acid
 250 ml Water
 690 ml Concentrated HCl
 Dilute to 1 L volume

⁶ Expiration Date is 30 days after preparation except for acidic potassium permanganate solutions. Acidic potassium permanganate solutions expire in 1 day.

* See Unit 2 Reagent Log
 ** See Unit 3 Reagent Log

