APPENDIX E

Chains-of-Custody/Field Logbook

Received @ 1.4°C Customer delivered 18 boxes KLW 10/10/13
Cooler 1 cooler boxes were ambie

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
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
DMaxwell	10/4/13	1630	KLW	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)

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0956			
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)

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				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
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0840			
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)

M3J140410

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Rec'd hand-Del 10/12/13
18 Boxes ambient
1 cooler 1.4°C
10/15/13

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS2-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/8/13 1640	X						
VS2-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X						Laboratory to add $Na_2S_2O_3$
~~VS2-STK-12B-M26A-AcdImp~~	~~Sulfuric Acid Impinger Catch~~								No Sample
~~VS2-STK-12B-M26A-AlkImp~~	~~Sodium Hydroxide Impinger Catch~~								~~Laboratory to add $Na_2S_2O_3$~~
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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
D Maxwell	10/11/13	1630	[illegible]	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)

AUDIT SAMPLE M3J140410

URS

Chain of Custody Record

~~Samples from SW0023A Sampling Trains~~

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	~~PCDD/PCDF by HRGC/HS (SW-846 Method 8290)~~	Cl⁻ by M26A	Metals	Mercury	Hold	MS/MSD	Comments
~~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-Cl-1	Cl⁻ in Imp Sol'n	10/11/13 1600		X					Audit Sample
VS2-AUDIT-Cl-2	"			X					Lot SSAS486
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0896			
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)

M3J140410

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Rec'd hand Del 10/12/13 18 Boxes ambient 1 cooler 1.4°C 10/15/13

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS2-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/8/13 1640	X						
VS2-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	"	X						Laboratory to add $Na_2S_2O_3$
~~VS2-STK-12B-M26A-AcdImp~~	~~Sulfuric Acid Impinger Catch~~								No Sample
~~VS2-STK-12B-M26A-AlkImp~~	~~Sodium Hydroxide Impinger Catch~~								~~Laboratory to add $Na_2S_2O_3$~~
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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
D Maxwell	10/11/13	1630	[illegible]	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)

AUDIT SAMPLE M3J140410

URS

Chain of Custody Record

~~Samples from SW0023A Sampling Trains~~

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	~~PCDD/PCDF by HRGCMS (SW-846 Method 8290)~~	Cl⁻ by M26A	Metals	Mercury	Hold	MS/MSD	Comments
~~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-Cl-1	Cl⁻ in Imp Sol'n	10/11/13 1600		X					Audit Sample
VS2-AUDIT-Cl-2	"			X					Lot SSAS486
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0896			
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)

M3J140413

URS

Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Hand-Del. 10/12/13 Rec'd @ ambient 18 Boxes

Sample ID Code	Sample Matrix	Date/Time	Particulate Matter - Gravimetric Determination per EPA Method 5				Hold	MS/MSD	Comments
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

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

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/11/13	1630	[signature]	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)

M3J140413

URS

Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Hand-Del. 10/12/13 Rec'd @ ambient 18 Boxes

Sample ID Code	Sample Matrix	Date/Time	Particulate Matter - Gravimetric Determination per EPA Method 5				Hold	MS/MSD	Comments
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						PK2508
VS2-STK-1RB-M5-Ace	Acetone	10/10/13 1300					X		
VS2-STK-1RB-M5-Filt	Filter	"					X		PK 2512

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

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[illegible]	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):

M35140415

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

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

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-CS-11A-Comp1	Containerized Solids	10-8-13 1150-1250	X						
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
[illegible]	10/11/13	1330	[illegible]	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)

M3J140415

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Rec'd 10/12/13 Hand-Del: 18 Boxes ambient 1 cooler 1.4°C 10/15/13

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-CS-11A-Comp1	Containerized Solids	10-8-13 1150-1250	X						
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
[illegible]	10/11/13	1330	[illegible]	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)

M3J140417

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/CH

Rec'd Hand-Del. 10/12/13
18 Boxes Ambient
1 Cooler 1.4°c
10/15/13

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
Kati Pitchard	10/11/13	1330	K. Um	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)

H3J140417

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Katie Ritchard	10/11/13	1330	[illegible]	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

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/CH

Rec'd Hand-Del. 10/12/13
18 Boxes Ambient
1 Cooler 1.4°c
10/15/13

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
Katie Pitchford	10/11/13	1330	K. Um	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)

H3J140417

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/11/13	1330	[signature]	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)

M3J150401

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / CH

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

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-LBW-11A-Comp1	Low Btu Liquid Waste	~~1250~~ 10/8/13	X						
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
Katie Ketchard	10/11/13	1330	[illegible]	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)

H3J150401

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Kate Ritchard	10/11/13	1330	[illegible]	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)

M3J150401

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / CH

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

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-LBW-11A-Comp1	Low Btu Liquid Waste	~~1250~~ 10/8/13	X						
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
Katie Pitchford	10/11/13	1330	[illegible]	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)

H3J150401

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/11/13	1330	[illegible]	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)

Received @ 1.4°C (cooler) Customer delivered 18 boxes 1 cooler KW 10/12/13 (boxes were ambient)

URS

Chain of Custody Record

Waste Feed Samples

H3J150402

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
[illegible]	10/11/13	1330	[illegible]	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)

URS

Chain of Custody Record

Waste Feed Samples M3J150402

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/11/13	1330	[illegible]	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)

Received @ 1.4°C (cooler) Customer delivered 18 boxes 1 cooler KLW 10/12/13 (boxes were ambient)

URS

Chain of Custody Record

Waste Feed Samples

M3J150402

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
[illegible]	10/11/13	1330	[illegible]	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)

URS

Chain of Custody Record

Waste Feed Samples M3J150402

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/11/13	1330	[illegible]	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)

M3J50403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/CH Tube.

Mercury Spiking Solutions contain approximately 2,268 ppm Hg

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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		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		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
Katie Kitchen	10/11/13	1330	[illegible]	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)

M3J150403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-HG-14B-Grab1	Mercury Spiking Soln	10/11/13 0945				X			Actually recd.
VS2-HG-14B-Grab2	Mercury Spiking Soln	10/11/13 1045				X			
VS2-HG-14B-Grab3	Mercury Spiking Soln	10/11/13 1225				X			
VS2-HG-14B-Grab4	Mercury Spiking Soln	10/11/13 1255					X		

Reed Hand-Del 10/12/13
18 Boxes Ambient
1 Cooler 1.4°c
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
Katie Kitchen	10/11/13	1330	[illegible]	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)

M3J150403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	125

Chromium spiking solution is 35% CrO_3, or approximately 18% Cr.

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Kathy Richard	10/11/13	1330	[illegible]	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)

M3J150403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/11/13	1330	[illegible]	10/12/13	0896			
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)

M3J50403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/CH Tube

Mercury Spiking Solutions contain approximately 2,268 ppm Hg

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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		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		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
Kati Ritchard	10/11/13	1330	[illegible]	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)

M3J150403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Reed Hand-Del 10/12/13
18 Boxes Ambient
1 Cooler 1.4°c
10/15/13

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-HG-14B-Grab1	Mercury Spiking Soln	10/11/13 0945				X			Actually recal.
VS2-HG-14B-Grab2	Mercury Spiking Soln	10/11/13 1045				X			
VS2-HG-14B-Grab3	Mercury Spiking Soln	10/11/13 1225				X			
VS2-HG-14B-Grab4	Mercury 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Katie Pitchford	10/11/13	1330	[illegible]	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)

M3J150403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	125

Chromium spiking solution is 35% CrO_3, or approximately 18% Cr.

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/11/13	1330	[illegible]	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):

M3J150403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/11/13	1370	[illegible]	10/12/13	0896			
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 @ 1.4°C Cooler Customer delivered 18 boxes 1 cooler KLW 10/12/13 boxes were ambie

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
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
DMaxwell	10/4/13	1630	KLW	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)

M3J150406

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Page 1 of ~~2~~ 3

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

1 Cooler Rec'd @ 1.4°C
18 boxes Rec'd @ Ambient
Hand delivered
10/12/13
CBA

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
VS2-STK-11B-M29-PNR	Probe and Nozzle Rinse	10/8/13 1843	X	X					
VS2-STK-11B-M29-Filt	Filter		X	X					
VS2-STK-11B-M29-NPI	Nitric/Peroxide Impingers		X	X					2 Bottles (combine)
VS2-STK-11B-M29-~~EIR~~ NPI4	~~Empty Impinger Rinse~~ Nitric/Peroxide		X	X					Rgnt carryover into empty impinger (Sep HS + Merc)
* VS2-STK-11B-M29-Perm 2	Permanganate Impinger (2nd)			X					2nd KMnO4 Imp. HS (Sep)
VS2-STK-11B-M29-HClRns	HCl Rinse of Permanganate Imp			X					HCl Rinse of 2nd KMnO4 Imp
~~VS2-STK-12B-M29-PNR~~	~~Probe and Nozzle Rinse~~								
~~VS2-STK-12B-M29-Filt~~	~~Filter~~								
~~VS2-STK-12B-M29-NPI~~	~~Nitric/Peroxide Impingers~~								NO SAMPLE
~~VS2-STK-12B-M29-EIR~~	~~Empty Impinger Rinse~~								
~~VS2-STK-12B-M29-Perm~~	~~Permanganate Impinger~~								
~~VS2-STK-12B-M29-HClRns~~	~~HCl Rinse of Permanganate Imp~~								

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

* VS2-STK-11B-M29-Perm 1 (1st KMnO4) Impinger - Analyze for Metals and Hg (Sep) Hst Metal

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[signature]	10/12/13	0896			
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):

M3J150406

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			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-HClRns	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-HClRns	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
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0896			
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)

M3J150406

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
D Maxwell	10/11/13	1630	[illegible]	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)

AUDIT SAMPLE

URS

Chain of Custody Record

~~Samples from SW0023A Sampling Trains~~

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	~~PCDD/PCDF by HRGCMS (SW-846 Method 8290)~~	Cl⁻ by M26A	Metals	Mercury	Hold	MS/MSD	Comments
~~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-Cl-1	Cl⁻ in Imp Sol'n	10/11/13 1600		X					Audit Sample
VS2-AUDIT-Cl-2	"	↓		X					Lot SSAS486
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0896			
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)

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[illegible]	10/11/13	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)

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				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
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0830			
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)

M3J150406

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

1 Cooler Rec'd @ 1.4°C
18 boxes Rec'd @ Ambient
Hand delivered
10/12/13
CBA

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
VS2-STK-11B-M29-PNR	Probe and Nozzle Rinse	10/8/13 1843	X	X					
VS2-STK-11B-M29-Filt	Filter		X	X					
VS2-STK-11B-M29-NPI	Nitric/Peroxide Impingers		X	X					2 Bottles (combine)
VS2-STK-11B-M29-~~EIR~~ NPI4	~~Empty Impinger Rinse~~ Nitric/Peroxide		X	X					Rgnt carryover into empty impinger (Sep HS + Merc)
* VS2-STK-11B-M29-Perm 2	Permanganate Impinger (2nd)			X					2nd KMnO4 Imp. HS (Sep)
VS2-STK-11B-M29-HClRns	HCl Rinse of Permanganate Imp			X					HCl Rinse of 2nd KMnO4 Imp
~~VS2-STK-12B-M29-PNR~~	~~Probe and Nozzle Rinse~~								
~~VS2-STK-12B-M29-Filt~~	~~Filter~~								
~~VS2-STK-12B-M29-NPI~~	~~Nitric/Peroxide Impingers~~								NO SAMPLE
~~VS2-STK-12B-M29-EIR~~	~~Empty Impinger Rinse~~								
~~VS2-STK-12B-M29-Perm~~	~~Permanganate Impinger~~								
~~VS2-STK-12B-M29-HClRns~~	~~HCl Rinse of Permanganate Imp~~								

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

* VS2-STK-11B-M29-Perm 1 (1st KMnO4) Impinger - Analyze for Metals and Hg (Sep) Hst Metal

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[signature]	10/12/13	0896			
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)

M3J150406

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			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-HClRns	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-HClRns	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
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0896			
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)

M3J150406

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0880			
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)

AUDIT SAMPLE

URS

Chain of Custody Record

~~Samples from SW0023A Sampling Trains~~

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	Dave Maxwell

Sample ID Code	Sample Matrix	Date/Time	~~PCDD/PCDF by HRGCMS (SW-846 Method 8290)~~	Cl⁻ by M26A	Metals	Mercury	Hold	MS/MSD	Comments
~~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-Cl-1	Cl⁻ in Imp Sol'n	10/11/13 1600		X					Audit Sample
VS2-AUDIT-Cl-2	"			X					Lot SSAS486
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
D Maxwell	10/11/13	1630	[illegible]	10/12/13	0896			
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)

H3K010401

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	DP Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
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						HAND DELIVERED
VS2-STK-1FB2-M0023A-PNR	Probe and Nozzle Rinse	10/29/13 1139	X						NO CUSTODY SEALS 2 COOLERS RECEIVED AT 0.4, 0.5°C
VS2-STK-1FB2-M0023A-Filt	Filter	↓	X						AND 11-1-13
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	1818	MSP	10/30/13	1818	MSP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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):

H3K010401

Chain of Custody Record

URS

Samples from SW0023A Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	D.P. Maxwell

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
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						HAND DELIVERED
VS2-STK-1FB2-M0023A-PNR	Probe and Nozzle Rinse	10/29/13 1139	X						NO CUSTODY SEALS 2 COOLERS RECEIVED AT 0.4, 0.5°C
VS2-STK-1FB2-M0023A-Filt	Filter	↓	X						AND 11-1-13
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
D.P. Maxwell	10/30/13	1818	MaP	10/30/13	1818	MaP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3KD10412

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Page 1 of 2

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	DP Maxwell

REC. @ AMBIENT
NO CUSTODY SEAL
3 BOXES RH 11-1-13
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
DP Maxwell	10/30/13	1818	MXP	10/30/13	1818	MXP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3KD10412

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	DPMaxwell

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	HCl Rinse of Permanganate Imp		~~X~~	X					"
			DPM						

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

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
DPMaxwell	10/30/13	1818	MXP	10/30/13	1818	MXP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3KD10412

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Page 1 of 2

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	DP Maxwell

REC. @ AMBIENT
NO CUSTODY SEAL
3 BOXES RH 11-1-13
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
DP Maxwell	10/30/13	1818	MXP	10/30/13	1818	MXP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3KD10412

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	DPMaxwell

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	HCl Rinse of Permanganate Imp		~~X~~	X					"
			DPM						

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

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
DPMaxwell	10/30/13	1818	MXP	10/30/13	1818	MXP	10/30/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3K010414

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	DPMaxwell

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS2-STK-15B-M26A-AcdImp	Sulfuric Acid Impinger Catch DPM	10/30/13 1602	X						REC. @ AMBIENT NO CUSTODY SEAL 1 BOX RH 11-1-13 HAND DELIVERED
VS2-STK-15B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	1345	X						Laboratory to add $Na_2S_2O_3$
VS2-STK-1FB2-M26A-AcdImp	Sulfuric Acid Impinger Catch DPM	10/29/13 1139	X						
VS2-STK-1FB2-M26A-AlkImp	Sodium Hydroxide Impinger Catch	1233	X						Lab to add $Na_2S_2O_3$

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

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
DPMaxwell	10/30/13	1818	MXP	10/30/13	1818	MXP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)

H3K010414

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.30-03
Prepared by	DPMaxwell

REC. @ AMBIENT
NO CUSTODY SEAL
1 BOX RH 11-1-13
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS2-STK-15B-M26A-AcdImp	Sulfuric Acid Impinger Catch DPM	10/30/13 ~~1602~~	X						
VS2-STK-15B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	1345	X						Laboratory to add $Na_2S_2O_3$
VS2-STK-1FB2-M26A-AcdImp	Sulfuric Acid Impinger Catch DPM	10/29/13 ~~1139~~	X						
VS2-STK-1FB2-M26A-AlkImp	Sodium Hydroxide Impinger Catch	1233	X						Lab to add $Na_2S_2O_3$

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

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
DPMaxwell	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)

H3K010420

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / MP

Hg Spiking Sol'n is ~ 2,270 ppm Hg

Cr spiking sol'n is ~ 18% Cr

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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 ~~1600~~ 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
[signature]	10/30/13	1615	[signature]	10/30/13	1615	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/31/13	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)

H3K010420

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / MP

Hg Spiking Sol'n is ~ 2,270 ppm Hg

Cr spiking sol'n is ~ 18% Cr

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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 ~~1600~~ 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
[signature]	10/30/13	1615	[signature]	10/30/13	1615	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

H3KD10415

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / MP

REC. @ AMBIENT
3 BOXES RH 11-1-13
NO CUSTODY SEAL
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/30/13	1615	[illegible]	10/30/13	1615	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3KD1D415

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / MP

REC. @ AMBIENT
3 BOXES RH 11-18
NO CUSTODY SEAL
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/30/13	1615	[signature]	10/30/13	1615	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

H3KD10416

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
									DKD 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
Thomas Davis	10/30/13	1615	MKP	10/30/13	1615	MKP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3KD104116

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
									DKD 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
Tiffany Davis	10/30/13	1615	MXP	10/30/13	1615	MXP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

H3K010418

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / MP

REC. @ AMBIENT
NO CUSTODY SEAL
3 BOXES RH 11-1-13
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-LWF-15B-Comp2A	Liquid Waste Feed	10/30/13 1345	X						
VS2-LWF-15B-Comp2B	Liquid Waste Feed	10/30/13 1530	X	X					
VS2-LWF-15B-Comp2C	Liquid Waste Feed	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Terri Dai	10/30/13	1615	MSP	10/30/13	1615	MSP	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Ken M	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)

H3K010418

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD / KLP / MP

REC. @ AMBIENT
NO CUSTODY SEAL
3 BOXES RH 11-1-13
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS2-LWF-15B-Comp2A	Liquid Waste Feed	10/30/13 1345	X						
VS2-LWF-15B-Comp2B	Liquid Waste Feed	10/30/13 1530	X	X					
VS2-LWF-15B-Comp2C	Liquid Waste Feed	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/30/13	1615	[signature]	10/30/13	1615	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

173K010414

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/MP

REC. @ AMBIENT
NO CUSTODY SEAL
3 BOXES RH 11-1-13
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/30/13	1615	[signature]	10/30/13	1615	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

H3KD10479

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 2 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.30-03
Prepared by	THD/KLP/MP

REC. @ AMBIENT
NO CUSTODY SEAL
3 BOXES RH 11-1-13
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/30/13	1615	[signature]	10/30/13	1615	[signature]	10/31/13	1505
Received by: [signature]	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

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
~~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
[signature]	10/18/13	1500	[signature]	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)

435190407

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGann

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
VS3-STK-14B-MO023A-PNR	Probe and Nozzle Rinse	10/18/13	X						
VS3-STK-14B-MO023A-Filt	Filter		X						
VS3-STK-14B-MO023A-CR	Condenser Rinse		X						
VS3-STK-14B-MO023A-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
[illegible]	10/18/13	1500	[illegible]	10/18/13	1027			
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

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
VS3-STK-1FB-M0023A-PNR	Probe and Nozzle Rinse	10/14/13 1657	X						
VS3-STK-1FB-M0023A-Filt	Filter		X						
VS3-STK-1FB-M0023A-CR	Condenser Rinse		X						
VS3-STK-1FB-M0023A-XAD	XAD Sorbent Cartridge		X						
VS3-STK-1RB-M0023A-Filt	Filter								
VS3-STK-1RB-M0023A-XAD	XAD Sorbent Cartridge								
VS3-STK-1RB-M0023A-Ace	Acetone								
VS3-STK-1RB-M0023A-MeCl	Methylene Chloride								
VS3-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
[illegible]	10/18/13	1500	[illegible]	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)

H35190409

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Page 2 of 8

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

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

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS3-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10							
VS3-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch								Laboratory to add $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
VS3-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution								
VS3-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution								Laboratory to add $Na_2S_2O_3$
VS3-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
[signature]	10/18/13	1500	[signature]	10/18/13	1628			
Received by:	**Date**	**Time**	**Relinquished by:**	**Date**	**Time**	**Received by:**	**Date**	**Time**
Relinquished by:	**Date**	**Time**	**Received by:**	**Date**	**Time**			

Remarks (Laboratory Only)

H33190409

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

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

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS3-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10							
VS3-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch								Laboratory to add $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
VS3-STK-1RB-M26A-H2SO4 Soln	Sulfuric Acid Solution								
VS3-STK-1RB-M26A-NaOH Soln	Sodium Hydroxide Solution								Laboratory to add $Na_2S_2O_3$
VS3-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
[signature]	10/18/13	1500	[signature]	10/21/13	1028			
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only):

H3J190410

URS

Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Page 1 of 8

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Particulate Matter - Gravimetric Determination per EPA Method 5				Hold	MS/MSD	Comments
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 AKD 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/18/13	1500	[illegible]	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)

H3J190410

URS

Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Page 1 of 8

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Particulate Matter - Gravimetric Determination per EPA Method 5				Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/18/13	1500	[signature]	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)

H13J150412

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Karen McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			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
VS3-STK-11B-M29-Perm	Permanganate Impinger								AKD 10-19-13
VS3-STK-11B-M29-HClRns	HCl Rinse of Permanganate Imp								
VS3-STK-12B-M29-PNR	Probe and Nozzle Rinse	~~10/17/13~~ 10/16/13 1650	X						
VS3-STK-12B-M29-Filt	Filter		X						
x2 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-HClRns	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
[signature]	10/18/13	1500	[signature]	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)

URS H35190412 Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

	Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
	VS3-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/17/13 1525	X						
	VS3-STK-13B-M29-Filt	Filter		X						
X2	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						
X2	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

KMM 10/18/13

KMM 10/18/13

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

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/18/13	1500	[signature]	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)

HB3190412

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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
[signature]	10/18/13	1500	[signature]	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)

H13J150412

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			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
VS3-STK-11B-M29-Perm	Permanganate Impinger								DKD 10-19-13
VS3-STK-11B-M29-HClRns	HCl Rinse of Permanganate Imp								
VS3-STK-12B-M29-PNR	Probe and Nozzle Rinse	~~10/17/13~~ 10/16/13 1650	X						
VS3-STK-12B-M29-Filt	Filter		X						
x2 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-HClRns	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
[signature]	10/18/13	1500	[signature]	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)

URS H3J190412

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
VS3-STK-13B-M29-PNR	Probe and Nozzle Rinse	10/17/13 1525	X						
VS3-STK-13B-M29-Filt	Filter		X						
X2 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						
X2 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
[signature]	10/18/13	1500	[signature]	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

URS

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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
[signature]	10/18/13	1500	[signature]	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)

URS H3J190714 Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
~~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
[illegible]	10/18/13	1400	[illegible]	10/18/13	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)

URS H3J190414

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS3-CR-14B-Grab1	Chromium Spiking Soln	10/18/13 0935			X				
VS3-CR-14B-Grab2	Chromium Spiking Soln	10/18/13 1038			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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/18/13	1400	[illegible]	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)

OXD 10-19-13
~~H3J150403~~ H3J190414

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 2

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD / MP / CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
~~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
[signature]	10/18/13	1400	[signature]	10/19/13	1022			
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)

~~H3J150403~~ H3J190414
OKD 10-19-13

URS

Chain of Custody Record

Waste Feed Samples

Page 2 of 2

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS3-HG-14B-Grab1	Mercury Spiking Soln	10/18/13 0935				X			
VS3-HG-14B-Grab2	Mercury Spiking Soln	10/18/13 1038				X			
VS3-HG-14B-Grab3	Mercury Spiking Soln	10/18/13 1218				X			
VS3-HG-14B-Grab4	Mercury Spiking Soln	10/18/13 1251				~~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
[signature]	10/18/13	1400	[signature]	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)

URS H3J190414 Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
~~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
[illegible]	10/18/13	1400	[illegible]	10/18/13	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)

URS H3J190414

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS3-CR-14B-Grab1	Chromium Spiking Soln	10/18/13 0935			X				
VS3-CR-14B-Grab2	Chromium Spiking Soln	10/18/13 1038			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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
Tom Dai	10/18/13	1400	[illegible]	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)

OXD 10-19-13
H3J150403 H3J190414

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD / MP / CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
~~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
[signature]	10/18/13	1400	[signature]	10/19/13	1022			
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)

~~H3J150403~~ H3J190414
DTG 10-19-13

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS3-HG-14B-Grab1	Mercury Spiking Soln	10/18/13 0935				X			
VS3-HG-14B-Grab2	Mercury Spiking Soln	10/18/13 1038				X			
VS3-HG-14B-Grab3	Mercury Spiking Soln	10/18/13 1218				X			
VS3-HG-14B-Grab4	Mercury Spiking Soln	10/18/13 1251				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
[signature]	10/18/13	1400	[signature]	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)

H3J190415

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
[signature]	10/18/13	1400	[signature]	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)

H35190415

URS Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/18/13	1400	[signature]	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)

H3J190415

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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						3RD 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
[signature]	10/18/13	1400	[signature]	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)

H35190415

URS Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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	10/18/13 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
[signature]	10/18/13	1400	[signature]	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)

URS H3J190416

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD / CH / MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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 Start	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
VS3-HBW-12B-Comp2C	High Btu Liquid Waste	10/16/13 1716	X						AND 10-19-13
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
[illegible]	10/18/13	1400	[illegible]	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)

H33190416

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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-12B-Comp2B-Dup	High Btu Liquid Waste	10/18/13 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
[signature]	10/18/13	1400	[signature]	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)

URS H3J150416

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD / CH / MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
VS3-HBW-12B-Comp2C	High Btu Liquid Waste	10/16/13 1716	X						BKD 10-17-13
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
[illegible]	10/18/13	1400	[illegible]	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

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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-12B-Comp2B-Dup	High Btu Liquid Waste	10/18/13 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
[signature]	10/18/13	1400	[signature]	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)

URS 143J190417

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD/MP/CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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					DYD 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
[illegible]	10/18/13	1400	[illegible]	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)

URS 93J190417 **Chain of Custody Record**

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD / CH / MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS3-LBW-14A-Comp1	Low Btu Liquid Waste	NA							
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/18/13	1400	[illegible]	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)

H3J140407

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
~~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
[signature]	10/18/13	1500	[signature]	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)

H3J190407

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGann

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
VS3-STK-14B-M0023A-PNR	Probe and Nozzle Rinse	10/18/13	X						
VS3-STK-14B-M0023A-Filt	Filter		X						
VS3-STK-14B-M0023A-CR	Condenser Rinse		X						
VS3-STK-14B-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
[illegible]	10/18/13	1500	[illegible]	10/18/13	1027			
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)

H3J140407

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
VS3-STK-1FB-M0023A-PNR	Probe and Nozzle Rinse	10/14/13 1657	X						
VS3-STK-1FB-M0023A-Filt	Filter		X						
VS3-STK-1FB-M0023A-CR	Condenser Rinse		X						
VS3-STK-1FB-M0023A-XAD	XAD Sorbent Cartridge		X						
VS3-STK-1RB-~~M0023A-Filt~~	Filter								
VS3-STK-1RB-~~M0023A-XAD~~	XAD Sorbent Cartridge								
VS3-STK-1RB-~~M0023A-Ace~~	Acetone								
VS3-STK-1RB-~~M0023A-MeCl~~	Methylene Chloride								
VS3-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
[illegible]	10/18/13	1500	[illegible]	10/19/13	1027			
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)

URS 143J190417

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD/MP/CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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					DFD 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
[illegible]	10/18/13	1400	[illegible]	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)

URS 93J190417 **Chain of Custody Record**

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.40-03
Prepared by	THD / CH / MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS3-LBW-14A-Comp1	Low Btu Liquid Waste	NA							
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/18/13	1400	[illegible]	10/19/13	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)

URS H3J190418 **Chain of Custody Record**

Waste Feed Samples

Page 1 of 2

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD / CH / MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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					BKD 10-19-13
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
[signature]	10/18/13	1400	[signature]	10/19/13	1828			
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)

H3J150418

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
~~VS3-LWF-14A-Comp1~~	~~Liquid Waste Feed~~	~~10/18/13 1035~~							
VS3-LWF-14B-Comp2A	Liquid Waste Feed	10/18/13 ~~1220~~ 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
[signature]	10/18/13	1400	[signature]	10/21/13	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):

URS H3J190418 **Chain of Custody Record**

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD / CH / MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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					BKD 10-19-13
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
[signature]	10/18/13	1400	[signature]	10/19/13	1828			
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)

H3J150418

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 3 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.40-03
Prepared by	THD/CH/MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
~~VS3-LWF-14A-Comp1~~	~~Liquid Waste Feed~~	~~10/18/13 1035~~							
VS3-LWF-14B-Comp2A	Liquid Waste Feed	10/18/13 ~~1220~~ 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
[illegible]	10/18/13	1400	[illegible]	10/21/13	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):

H3KD104D2

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
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						HAND DELIVERED
VS4-STK-12B-M0023A-PNR	Probe and Nozzle Rinse	10/24/13 1545	X				2 COOLERS		NO CUSTODY SEALS RECEIVED AT 0.4, 0.5°C
VS4-STK-12B-M0023A-Filt	Filter		X						BKD 11-1-13
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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

H3KD1D402

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

URS

Chain of Custody Record

H3K010422

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
VS4-STK-11B-M29-PNR	Probe and Nozzle Rinse	10/23/13 1520	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-HClRns	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
[illegible]	10/30/13	1818	[illegible]	10/30/13	1818	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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):

URS

Chain of Custody Record

H3K010422

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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):

URS H3K01D422

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

URS H3K010422 Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510
Prepared by	Kevin McGinn

	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

URS

Chain of Custody Record

H3K010422

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
VS4-STK-11B-M29-PNR	Probe and Nozzle Rinse	10/23/13 1520	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-HClRns	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
[illegible]	10/30/13	1818	[illegible]	10/30/13	1818	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

URS

Chain of Custody Record

H3K010422

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
[illegible]	10/30/13	1818	[illegible]	10/30/13	1818	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

URS H3K01D422

Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

URS H3K010422 Chain of Custody Record

Samples from Multi-Metals Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510
Prepared by	Kevin McGinn

	Sample Matrix	Date/Time	Metals by ICPES - SW-846 Method 6010B	Mercury by CVAA - SW-846 Method 7470A			Hold	MS/MSD	Comments
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-HClRns	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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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

URS

Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

REC. @ AMBIENT
2 BOXES RH 11-1-13
NO CUSTODY SEALS
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Particulate Matter - Gravimetric Determination per EPA Method 5				Hold	MS/MSD	Comments
VS4-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/23/13 1042	X						
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/30/13	1818	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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

URS

Chain of Custody Record

Samples from Method 5 (PM) Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

REC. @ AMBIENT
2 BOXES RH 11-1-13
NO CUSTODY SEALS
HAND DELIVERED

Sample ID Code	Sample Matrix	Date/Time	Particulate Matter - Gravimetric Determination per EPA Method 5				Hold	MS/MSD	Comments
VS4-STK-11A-M5-PNR	Probe and Nozzle Rinse	10/23/13 1042	X						
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/30/13	1818	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	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)

URS H3K010424 Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	THO·KP·CH

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

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS4-HG-11B-Grab1	Mercury Spiking Soln	10/23/13 1236				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			REC. @ AMBIEN NO CUSTODY SEAL 2 BOXES RH 11-1-1 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
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by:	**Date**	**Time**	**Relinquished by:**	**Date**	**Time**	**Received by:**	**Date**	**Time**
[signature]	10/30/13	1818	[signature]	10/31/13	1505	[signature]	10/31/13	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)

URS 1-13KD10424

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	THO·CH-KLP

Cr spiking sol'n is ~18% Cr

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS4-CR-11B-Grab1	Chromium Spiking Soln	10/23/13 1236			X	CH 10/25/13			
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	10/31/13	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

Remarks (Laboratory Only)

URS H3K010424

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	THD · KP · CH

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

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS4-HG-11B-Grab1	Mercury Spiking Soln	10/23/13 1236				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		REC. @ AMBIEN NO CUSTODY SEAL. 2 BOXES RH 11-1-1 HAND DELIVERED
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		

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
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/30/13	1818	[signature]	10/31/13	1505	[signature]	10/31/13	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)

URS 1-13KD10424

Chain of Custody Record

Waste Feed Samples

Page 1 of 1

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	THO·CH-KLP

Cr spiking soln is ~18% Cr

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
VS4-CR-11B-Grab1	Chromium Spiking Soln	10/23/13 1236			X	CH 10/25/13			
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	10/31/13	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

Remarks (Laboratory Only)

H3K020401

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

HAND DELIVERED
NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
SKD 11-1-13

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS4-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/23/13 1336	X						
VS4-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	↓	X						Laboratory to add $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
~~VS4-STK-14B-M26A-AcdImp~~	~~Sulfuric Acid Impinger Catch~~								
~~VS4-STK-14B-M26A-AlkImp~~	~~Sodium Hydroxide Impinger Catch~~								~~Laboratory to add $Na_2S_2O_3$~~
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 $Na_2S_2O_3$
VS4-STK-1RB-M26A-~~H2SO4 Soln~~	Sulfuric Acid Solution								
VS4-STK-1RB-M26A-~~NaOH Soln~~	Sodium Hydroxide Solution								Laboratory to add $Na_2S_2O_3$
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
[illegible]	10/30/13	1818	[illegible]	10/30/13	1818	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)

H3K020401

URS

Chain of Custody Record

Samples from Mod 26A Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

HAND DELIVERED
NO CUSTODY SEALS
RECEIVED AT AMBIENT TEMP
SJO 11-1-13

Sample ID Code	Sample Matrix	Date/Time	Chloride by Ion Chromatography, per EPA Method 26A				Hold	MS/MSD	Comments
VS4-STK-11B-M26A-AcdImp	Sulfuric Acid Impinger Catch	10/23/13 1336	X						
VS4-STK-11B-M26A-AlkImp	Sodium Hydroxide Impinger Catch	↓	X						Laboratory to add $Na_2S_2O_3$
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 $Na_2S_2O_3$
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 $Na_2S_2O_3$
~~VS4-STK-14B-M26A-AcdImp~~	~~Sulfuric Acid Impinger Catch~~								
~~VS4-STK-14B-M26A-AlkImp~~	~~Sodium Hydroxide Impinger Catch~~								~~Laboratory to add $Na_2S_2O_3$~~
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 $Na_2S_2O_3$
~~VS4-STK-1RB-M26A-H2SO4 Soln~~	~~Sulfuric Acid Solution~~								
~~VS4-STK-1RB-M26A-NaOH Soln~~	~~Sodium Hydroxide Solution~~								Laboratory to add $Na_2S_2O_3$
~~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
[illegible]	10/30/13	1818	[illegible]	10/30/13	1818	[illegible]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/31/13	1506						
Relinquished by:	Date	Time	Received by:	Date	Time			

Remarks (Laboratory Only)

CS2C

H3K020402

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 2

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	KP - MP - CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
VS4-LWF-12A-Comp1	Liquid Waste Feed	10/24/13 1037	X						BKD 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
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3K020402

URS

Chain of Custody Record

Waste Feed Samples

Page 2 of 2

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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-DUP	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/30/13	1818	[signature]	10/31/13	1505	[signature]	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)

H3K020402

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	KP - MP - CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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
VS4-LWF-12A-Comp1	Liquid Waste Feed	10/24/13 1037	X						BKD 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
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3K020402

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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-Dup	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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

43KD204103

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	KP · CH · MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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						HAND DELIVERED
VS4-HBW-12A-Comp1	High Btu Liquid Waste	10-24-13 1036	X						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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3K020403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/30/13	1818	[signature]	10/31/13	1505	[signature]	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)

43KD204103

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	KP · CH · MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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						HAND DELIVERED
VS4-HBW-12A-Comp1	High Btu Liquid Waste	10-24-13 1636	X						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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	10/31/13	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

Remarks (Laboratory Only):

H3K020403

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/30/13	1818	[signature]	10/31/13	1505	[signature]	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)

URS

Chain of Custody Record

H3K020404

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	CFH, KLP, MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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						HAND DELIVERED
VS4-LBW-12A-Comp1	Low Btu Liquid Waste	10/24/13 1035	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS4-LBW-12B-Comp2A	Low Btu Liquid Waste	10/24/13 1335	X						BID 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3K020404

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3KD10402

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				Hold	MS/MSD	Comments
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						HAND DELIVERED
VS4-STK-12B-M0023A-PNR	Probe and Nozzle Rinse	10/24/13 1545	X				2 COOLERS		NO CUSTODY SEALS RECEIVED AT 0.4, 0.5°C
VS4-STK-12B-M0023A-Filt	Filter	↓	X						BKD 11-1-13
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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

H3KD1D402

URS

Chain of Custody Record

Samples from SW0023A Sampling Trains

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	Kevin McGinn

Sample ID Code	Sample Matrix	Date/Time	PCDD/PCDF by HRGCMS (SW-846 Method 8290)				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
[signature]	10/30/13	1818	[signature]	10/30/13	1818	[signature]	10/31/13	1505
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	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)

URS

Chain of Custody Record

H3K020404

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	CFH, KLP, MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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						HAND DELIVERED
VS4-LBW-12A-Comp1	Low Btu Liquid Waste	10/24/13 1035	X						NO CUSTODY SEALS RECEIVED AT AMBIENT TEMP
VS4-LBW-12B-Comp2A	Low Btu Liquid Waste	10/24/13 1335	X						DID 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3K020404

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942525.20-03
Prepared by	

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3K020405

Chain of Custody Record

URS

Page 1 of 2

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	CH-KLP-MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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						BJA 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by: [signature]	Date 10/30/13	Time 1818	Relinquished by: [signature]	Date 10/31/13	Time 1505	Received by: [signature]	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

Remarks (Laboratory Only)

H3K02D4D5

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	KCP-CH-THD

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

H3K020405

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	CH-KLP-MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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						BKD 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by: [signature]	Date 10/30/13	Time 1818	Relinquished by: [signature]	Date 10/31/13	Time 1505	Received by: [signature]	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):

H3K02D4D5

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	KCP-CH-THD

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

A3K020406

URS

Chain of Custody Record

Waste Feed Samples

Page 1 of 2

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	CH - KLP - MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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	10/23/13 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 BKD 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by: [signature]	Date 10/30/13	Time 1818	Relinquished by: [signature]	Date 10/31/13	Time 1505	Received by: [signature]	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)

A3K020406

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	KLP-THD = CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/30/13	1818	[signature]	10/31/13	1505	[signature]	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)

A3K020406

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	CH - KLP - MP

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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	10/23/13 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 BKD 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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[signature]	10/25/13	1800	[signature]	10/25/13	1800	[signature]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	10/30/13	1818	[signature]	10/31/13	1505	[signature]	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)

A3K020406

URS

Chain of Custody Record

Waste Feed Samples

Project	Unit 4 CPT
Site	Veolia-Sauget, IL
Project Number	40942510.20-03
Prepared by	KLP-THD-CH

Sample ID Code	Sample Matrix	Date/Time	Composition Analyses	Metals	Chromium	Mercury	Hold	MS/MSD	Comments
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:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time
[illegible]	10/25/13	1800	[illegible]	10/25/13	1800	[illegible]	10/30/13	1818
Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
[illegible]	10/30/13	1818	[illegible]	10/31/13	1505	[illegible]	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)

URS

DAILY RECORD OF EVENTS

DATE:	10/10/13
PAGE	1 OF
NAME:	Katie Pritchard (KLP) Teresa Davis (THD) Cameron Holland (CH)
TO (FILE/PM):	Mike Fuchs.
CLIENT:	Veolia
SITE:	Sauget, IL
PROJECT #:	40942525
SUBJECT:	Waste Sampling.

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

0755 Arrive on-site and check-in. Hold Tailgate H&S Meeting.

All begin to gear-up for daily sampling activities.

THD calibrates scale.

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

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 # 286 Pb # L-762

Chlorine # H-667

Chromium sample spike + split collected.

1340 Collect Spike in middle of port 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 COMP'S	AFTERNOON COMP'S
~~VS2-CS-13A COMP 1~~	VS2-LWF-13A-COMP 1	VS2-LWF-13A-COMP 2C
All ~500 mL 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	THD
	Date	10/10/13

	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: 16978	20		20.08		
	50		50.19		
	100		99.98		
	200		199.94		
	500		500.23		
	1000		1000.8		

[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 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		1530		3250mL	
VS2-LBW-13B-Grab 1	Low Btu Liquid Waste	Archive	1	3B	10/10/13	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		500mL	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 @ 1510
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					

E-143

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-13B-Grab 15	Low Btu Liquid Waste	Archive	1	3B					
VS2-LBW-13B-Grab 16	Low Btu Liquid Waste	Archive	1	3B					
VS2-LBW-13B-Grab 17	Low Btu Liquid Waste	Archive	1	3B					
VS2-LBW-13B-Grab 18	Low Btu Liquid Waste	Archive	1	3B					
VS2-LBW-13B-Grab 19	Low Btu Liquid Waste	Archive	1	3B					
VS2-LBW-13B-Grab 20	Low Btu Liquid Waste	Archive	1	3B					
VS2-LBW-13B-Grab 21	Low Btu Liquid Waste	Archive	1	3B					

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	3A
Stream Name	Low Btu Liquid Waste	Start Time	0915
Sample Point	VS2-LBW-13A-COMP 1	Stop Time	1023
Operator	KH/THO/CH		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LOW BTU

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 2C	Stop Time	~~1500~~ 1540
Operator	KLP		

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	~~1430~~ 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LOW BTU - 3 HR.

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-13B-COMP2B	Stop Time	1510
Operator	KLP		

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	~~1600~~ 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LOW BTU - 2HR.

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-13B-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	~~1600~~ 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LOW BTU - 2HR.

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-13B-COMP2A	Stop Time	1330
Operator	KLP		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LOW BTU - 1 HOUR

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	1330		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		"	
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 Finished 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

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Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-13B-Grab 15	High Btu Liquid Waste	Archive	1	3B					
VS2-HBW-13B-Grab 16	High Btu Liquid Waste	Archive	1	3B					
VS2-HBW-13B-Grab 17	High Btu Liquid Waste	Archive	1	3B					
VS2-HBW-13B-Grab 18	High Btu Liquid Waste	Archive	1	3B					
VS2-HBW-13B-Grab 19	High Btu Liquid Waste	Archive	1	3B					
VS2-HBW-13B-Grab 20	High Btu Liquid Waste	Archive	1	3B					
VS2-HBW-13B-Grab 21	High Btu Liquid Waste	Archive	1	3B					

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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	3A
Stream Name	High Btu Liquid Waste	Start Time	0915
Sample Point	VS2-HBW-13A-COMP 1	Stop Time	1023
Operator	KLP/THO/CH		

Sample Number	Time	Volume/Mass (mL)
1	0915	500 mL
2	0930	"
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH BTU

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-13B-COMP2A	Stop Time	1330
Operator	CH		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH BTU - 1HR.

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	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	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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH BTU - 2HR.

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-13B-COMP2B - 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	~~1000~~ 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH BTU - 2 HR. DUPLICATE

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 2C	Stop Time	1540
Operator	KLP		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH BTU - 3 HR.

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-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	Stop Test - 1330
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					

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Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

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Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LWF-13B-Grab 15	Liquid Waste Feed	Archive	1	3B					
VS2-LWF-13B-Grab 16	Liquid Waste Feed	Archive	1	3B					
VS2-LWF-13B-Grab 17	Liquid Waste Feed	Archive	1	3B					
VS2-LWF-13B-Grab 18	Liquid Waste Feed	Archive	1	3B					
VS2-LWF-13B-Grab 19	Liquid Waste Feed	Archive	1	3B					
VS2-LWF-13B-Grab 20	Liquid Waste Feed	Archive	1	3B					
VS2-LWF-13B-Grab 21	Liquid Waste Feed	Archive	1	3B					

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	3A
Stream Name	Liquid Waste Feed (LWF)	Start Time	1015
Composite Sample ID	VS2-LWF-13A-COMP_1	Stop Time	1025
Operator	KLP/THO/CH		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LIQ FEEDER

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	Liquid Waste Feed (LWF)	Start Time	1230
Composite Sample ID	VS2-LWF-1 3B-COMP 2A	Stop Time	1330
Operator	THD		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder - 1 HR.

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 3B-COMP 2B	Stop Time	1510
Operator	THO		

Sample Number	Time	Volume/Mass (mL)
1	1232	~~[illegible]~~ 250
2	1247	250
3	1302	250
4	1317	250
5	1330	250
6	1347	250
7	~~[illegible]~~ 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder- 2 HR.

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 3B-COMP 2B-DUPLICATE	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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder. 2Hr. DUPLICATE

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 3B-COMP 2C	Stop Time	1540
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	~~1347~~ 1402	250
8	1417	250
9	1432	200
10	1447	250
11	1502	250
12	1517	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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder - 3HR.

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW (g)	Comments Box # / Total Sample Wt (g)
VS2-CS-13A-Comp1	Containerized Solids	Phys/Comp	1	3A	10/10/13	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		459	88-130 (1242)
VS2-CS-13A-Grab 3	Containerized Solids	Archive	1	3A		0945		456	88-116 (1083)
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	10/10/13	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	10/10/13	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		1330		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 (1177)
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 complete 1510
VS2-CS-13B-Grab 12	Containerized Solids	Archive	1	3B		1515		500	#125 (1233)
VS2-CS-13B-Grab 13	Containerized Solids	Archive	1	3B		1530		503	#134 (927)
VS2-CS-13B-Grab 14	Containerized Solids	Archive	1	3B					Stop Test @ 1540

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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-13B-Grab 15	Containerized Solids	Archive	1	3B					
VS2-CS-13B-Grab 16	Containerized Solids	Archive	1	3B					
VS2-CS-13B-Grab 17	Containerized Solids	Archive	1	3B					
VS2-CS-13B-Grab 18	Containerized Solids	Archive	1	3B					
VS2-CS-13B-Grab 19	Containerized Solids	Archive	1	3B					
VS2-CS-13B-Grab 20	Containerized Solids	Archive	1	3B					
VS2-CS-13B-Grab 21	Containerized Solids	Archive	1	3B					

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Containerized Solids 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	3A
Stream Name	Containerized Solids (CS)	Start Time	0915
Composite Sample ID	VS2-CS-13A-COMP 1	Stop Time	1023
Operator	THD		

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	Date	10/10/23
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-13B-COMP 2A	Stop Time	1330
Operator	THD		

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			
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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	10/10/13
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 3B-COMP 2B	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.

SOLIDS - 2HR.

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-13B-COMP 2C	Stop Time	1540
Operator	THD		

Sample Number	Container ID	Time	Volume/ Mass (g)
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.

SOLIDS- 3HR.

URS

DAILY RECORD OF EVENTS

DATE: 10-11-13	PAGE 1 OF
NAME: Katie Pritchard (KP) - Teresa Davis (THD) - Cameron Holland (CH)	
TO (FILE/PM): Mike Fuchs.	
CLIENT: 10/11/2013 - Veolia	SITE: Sauget, IL
PROJECT #: 40942525	
SUBJECT: Waste Sampling	

0700 Depart hotel for site - all personell. Weather is sunny High near 80°F.

0720 Arrive on-site and check-in. Hold 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 ~~fr~~ 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/KP 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	THD
	Date	10/11/13

	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: 16978	20		20.16		
	50		50.07		
	100		100.07		
	200		200.16		
	500		500.15		
	1000		1001.0		

[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 Sauget 40942525

Date & Time: 10/8/13 0800

Work Location: Sauget, 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	Minimum PPE 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

Terra Dai Cameron Hellend Katie Ritchard

10/9/13 Terra Dai
10/9/13 Katie Ritchard
10/9/13 Cameron Hellend
10/10/13 Terra Dai
10/10/13 Katie Ritchard
10/10/13 Cameron Hellend

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

Supervisor's Signature: Terra Dai 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 Terra Dai
10/11/13 Katie Ritchard
10/11/13 Cameron Hellend

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		2750mL	
VS2-LBW-14B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	4B		1246		3250mL	
VS2-LBW-14B-Grab 1	Low Btu Liquid Waste	Archive	1	4B		0946		500mL	
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		500mL	
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		"	1125 - 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		"	Stop Metals @ 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 RUN Test @ 1255
VS2-LBW-14B-Grab 14	Low Btu Liquid Waste	Archive	1	4B					

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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-14B-Grab 15	Low Btu Liquid Waste	Archive	1	4B					
VS2-LBW-14B-Grab 16	Low Btu Liquid Waste	Archive	1	4B					
VS2-LBW-14B-Grab 17	Low Btu Liquid Waste	Archive	1	4B					
VS2-LBW-14B-Grab 18	Low Btu Liquid Waste	Archive	1	4B					
VS2-LBW-14B-Grab 19	Low Btu Liquid Waste	Archive	1	4B					
VS2-LBW-14B-Grab 20	Low Btu Liquid Waste	Archive	1	4B					
VS2-LBW-14B-Grab 21	Low Btu Liquid Waste	Archive	1	4B					

Liquid Waste Feed 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	Low Btu Liquid Waste	Start Time	0945
Sample Point	VS2-LBW-1 4B-COMP 2A	Stop Time	1045
Operator	KLP		

Sample Number	Time	Volume/Mass (mL)
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Low BTU - 1 Hr.

Liquid Waste Feed 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	Low Btu Liquid Waste	Start Time	0945
Sample Point	VS2-LBW-1 4B-COMP 2B	Stop Time	1225
Operator	KLP		

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	~~1135~~ 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Low BTU - 2 Hr.

Liquid Waste Feed 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	Run 4B
Stream Name	Low Btu Liquid Waste	Start Time	0945
Sample Point	VS2-LBW-1 4B-COMP 2C	Stop Time	1255
Operator	KLP		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Low BTU - 3 Hr.

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-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	10/11/13	1047		2500 mL	Begin Test @ 0945
VS2-LWF-14B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	4B		1217		2750 mL	
VS2-LWF-14B-C~~omp2C~~	~~Liquid Waste Feed~~	~~Phys/Comp~~	1	4B		0947		500 mL	
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		"	Stop Test 1045 - Comp 2A
VS2-LWF-14B-Grab 5	Liquid Waste Feed	Archive	1	4B		1102		500 mL	
VS2-LWF-14B-Grab 6	Liquid Waste Feed	Archive	1	4B		1117		"	
VS2-LWF-14B-Grab 7	Liquid Waste Feed	Archive	1	4B		1132		"	Port 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					
V~~S2-LWF-14B-Grab 14~~	Liquid Waste Feed	PHYS COMP ~~Archive~~ METALS	1	4B	10/11/13	1247		3250 mL	COMPOSITE - 3HR - 2C

VS2-LWF-14B-COMPC

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-14B-Grab 15	Liquid Waste Feed	Archive	1	4B					
VS2-LWF-14B-Grab 16	Liquid Waste Feed	Archive	1	4B					
VS2-LWF-14B-Grab 17	Liquid Waste Feed	Archive	1	4B					
VS2-LWF-14B-Grab 18	Liquid Waste Feed	Archive	1	4B					
VS2-LWF-14B-Grab 19	Liquid Waste Feed	Archive	1	4B					
VS2-LWF-14B-Grab 20	Liquid Waste Feed	Archive	1	4B					
VS2-LWF-14B-Grab 21	Liquid Waste Feed	Archive	1	4B					

Liquid Waste Feed 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	Run 4B
Stream Name	Liquid Waste Feed (LWF)	Start Time	0945
Composite Sample ID	VS2-LWF-1 4B -COMP 2A	Stop Time	1045
Operator	THD		

Sample Number	Time	Volume/Mass (mL)
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder. 1 Hr.

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	0945
Composite Sample ID	VS2-LWF-14B-COMP2B	Stop Time	1225
Operator	TH D		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder - 2 Hr.

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	0945
Composite Sample ID	VS2-LWF-1 4B -COMP 2C	Stop Time	1255
Operator	THO		

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	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		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder 3 Hr.

Waste Sample Logbook

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	10/11/13	1045		2504 g	Begin Test @ 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		567	# 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) Stop @ 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					

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-CS-14B-Grab 15	Containerized Solids	Archive	1	4B					
VS2-CS-14B-Grab 16	Containerized Solids	Archive	1	4B					
VS2-CS-14B-Grab 17	Containerized Solids	Archive	1	4B					
VS2-CS-14B-Grab 18	Containerized Solids	Archive	1	4B					
VS2-CS-14B-Grab 19	Containerized Solids	Archive	1	4B					
VS2-CS-14B-Grab 20	Containerized Solids	Archive	1	4B					
VS2-CS-14B-Grab 21	Containerized Solids	Archive	1	4B					

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 4B -COMP 2A	Stop Time	~~1000~~ 1045
Operator	THD		

Sample Number	Container ID	Time	Volume/ Mass (g)
1	#21	0945	501
2	#30	1000	501
3	#40	1015	500
4	#49	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 4B-COMP 2B	Stop Time	1225
Operator	THD		

Sample Number	Container ID	Time	Volume/ Mass (g)
1	#21	0945	302
2	#30	1000	300
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 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 4B-COMP 2C	Stop Time	1255
Operator	KLP		

(g)

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	# ~~107~~ 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.

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-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		~~1200~~ 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		"	Stop 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					

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-14B-Grab 15	High Btu Liquid Waste	Archive	1	4B					
VS2-HBW-14B-Grab 16	High Btu Liquid Waste	Archive	1	4B					
VS2-HBW-14B-Grab 17	High Btu Liquid Waste	Archive	1	4B					
VS2-HBW-14B-Grab 18	High Btu Liquid Waste	Archive	1	4B					
VS2-HBW-14B-Grab 19	High Btu Liquid Waste	Archive	1	4B					
VS2-HBW-14B-Grab 20	High Btu Liquid Waste	Archive	1	4B					
VS2-HBW-14B-Grab 21	High Btu Liquid Waste	Archive	1	4B					

Liquid Waste Feed 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	High Btu Liquid Waste	Start Time	0945
Sample Point	VS2-HBW-1 4B-COMP 2A	Stop Time	1045
Operator	KLP		

(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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH - 1 Hr.

Liquid Waste Feed 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	High Btu Liquid Waste	Start Time	0945
Sample Point	VS2-HBW-1 4B -COMP 2B	Stop Time	1225
Operator	KLP		

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	~~1200~~ 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH - 2 Hr

Liquid Waste Feed 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	High Btu Liquid Waste	Start Time	0945
Sample Point	VS2-HBW-1~~4B~~-COMP ~~2C~~	Stop Time	~~1245~~ 1255 KCC
Operator	CH		

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	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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH 3 Hr

URS

DAILY RECORD OF EVENTS

DATE: 10/30/13 | PAGE 1 OF 1

NAME: Teresa Davis

TO (FILE/PM): Mike Fuchs

CLIENT: Veolia | SITE: Sauget, IL | PROJECT #: 40942525.40-02

SUBJECT: Unit 2 Waste stream sampling - Run 5B

0710 We leave the hotel for the site.

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

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

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~~ Comp 2A.

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	MP
	Date	10/30/13

	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: 16978	20		20.1		
	50		50.0		
	100		100.0		
	200		200.1		
	500		500.0		
	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

DAILY TAILGATE SAFETY MEETING FORM

Project Name/Number: Veolia waste stream sampling 40942525 **Date & Time:** 10/30/13 0730

Work Location: Sunget, 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	
	irritating odors	wear respirator	
	chemical splashing	wear coated Tyvek	
	chance of t'storms	go to safe place - wait 30 mins to resume work	

Other:			
Emergency Procedures:	see HASP - dial 911		
Hospital:	see HASP	Clinic: see HASP	
Biological Hazards:	none	Physical Hazards: slip trip + falls, weather	
Chemical Hazards:	in waste streams	Minimum PPE hard hat, safety glasses/face shield, respirator, steel-toed boots, nitriles	

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] [signature]

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

Supervisor's Signature: [signature] 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	5B	10/30/13	1345		2504g	
VS2-CS-15B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	5B		1530		360lg	
VS2-CS-15B-Comp2C	Containerized Solids	Phys/Comp	1	5B		1600		4207g	
VS2-CS-15B-Grab 1	Containerized Solids	Archive	1	5B		1245		462g	#22 (1998)g
VS2-CS-15B-Grab 2	Containerized Solids	Archive	1	5B		1300		533g	#32 (2026g)
VS2-CS-15B-Grab 3	Containerized Solids	Archive	1	5B		1315		554g	#41 (1827g)
VS2-CS-15B-Grab 4	Containerized Solids	Archive	1	5B		1330		618g	#51 (2165g)
VS2-CS-15B-Grab 5	Containerized Solids	Archive	1	5B		1345		542g	#60 (1814g)
VS2-CS-15B-Grab 6	Containerized Solids	Archive	1	5B		1406		592g	#69 (2207g)
VS2-CS-15B-Grab 7	Containerized Solids	Archive	1	5B		1415		556g	#79 (1580g)
VS2-CS-15B-Grab 8	Containerized Solids	Archive	1	5B		1430		586g	#89 (1532g)
VS2-CS-15B-Grab 9	Containerized Solids	Archive	1	5B		1445		550g	#99 (1646g)
VS2-CS-15B-Grab 10	Containerized Solids	Archive	1	5B		1500		636g	#109 (1752g)
VS2-CS-15B-Grab 11	Containerized Solids	Archive	1	5B		1515		509g	#118 (1873g)
VS2-CS-15B-Grab 12	Containerized Solids	Archive	1	5B		1530		501g	#127 (1654g)
VS2-CS-15B-Grab 13	Containerized Solids	Archive	1	5B		1545		483g	#137 (919g)
VS2-CS-15B-Grab 14	Containerized Solids	Archive	1	5B		1600		543g	#144 (1081g)
VS2-CS-15B-Grab 15	Containerized Solids	Archive	1	5B					
VS2-CS-15B-Grab 16	Containerized Solids	Archive	1	5B					
VS2-CS-15B-Grab 17	Containerized Solids	Archive	1	5B					
VS2-CS-15B-Grab 18	Containerized Solids	Archive	1	5B					
VS2-CS-15B-Grab 19	Containerized Solids	Archive	1	5B					
VS2-CS-15B-Grab 20	Containerized Solids	Archive	1	5B					
VS2-CS-15B-Grab 21	Containerized Solids	Archive	1	5B					

Containerized Solids Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Containerized Solids (CS)	Start Time	1245
Composite Sample ID	VS2-CS-15B-COMP2A	Stop Time	1345
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	#22	1245	500
2	#32	1300	504
3	#41	1315	498
4	#51	1330	500
5	#66	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	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Containerized Solids (CS)	Start Time	1245
Composite Sample ID	VS2-CS-15B-COMP2B	Stop Time	1530
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	#22	1245	305
2	#32	1300	301
3	#41	1315	297
4	#51	1330	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	3609

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	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Containerized Solids (CS)	Start Time	1245
Composite Sample ID	VS2-CS-15B-COMP 2C	Stop Time	1600
Operator			

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

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1245
Composite Sample ID	VS2-LWF-15B-COMP 2A	Stop Time	1345
Operator			

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	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	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1245
Composite Sample ID	VS2-LWF-15B-COMP2B	Stop Time	1530
Operator			

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	3600 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	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1245
Composite Sample ID	VS2-LWF-15B-COMP 2C	Stop Time	1600
Operator			

Sample Number	Time	Volume/Mass
1	1245	200 ml
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		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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		2500 ml	
VS2-HBW-15B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	5B		1531		3600 ml	
VS2-HBW-15B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	5B		1601		2800 ml	
VS2-HBW-15B-Grab 1	High Btu Liquid Waste	Archive	1	5B		1246		500 ml	
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	~~1516~~ 1446	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	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1246
Composite Sample ID	VS2-HBW-15B-COMP 2A	Stop Time	1346
Operator			

Sample Number	Time	Volume/Mass
1	1246	500 ml
2	1301	↓
3	1316	↓
4	1331	↓
5	1346	↓
6		
7		
8		
9		
10		
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12		
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19		
20		

Sample Number	Time	Volume/Mass
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22		
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26		
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31		
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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	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1246
Composite Sample ID	VS2-HBW-1 5B -COMP 2B	Stop Time	1531
Operator			

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		
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29		
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37		
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39		
	Final Volume	3600 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1246
Composite Sample ID	VS2-HBW-15B-COMP 2C	Stop Time	1601
Operator			

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		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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 ml	
VS2-LBW-15B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	5B		1532		3600 ml	
VS2-LBW-15B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	5B		1602		2800 ml	
VS2-LBW-15B-Grab 1	Low Btu Liquid Waste	Archive	1	5B		1247	#3	500 ml	
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	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1247
Composite Sample ID	VS2-LBW-1 5B -COMP 2A	Stop Time	1347
Operator			

Sample Number	Time	Volume/Mass
1	1247	500 ml
2	1302	↓
3	1317	↓
4	1332	↓
5	1347	↓
6		
7		
8		
9		
10		
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12		
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17		
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Sample Number	Time	Volume/Mass
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1247
Composite Sample ID	VS2-LBW-1 5B-COMP 2B	Stop Time	1532
Operator			

Sample Number	Time	Volume/Mass
1	1247	300 ml
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		
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32		
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36		
37		
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39		
	Final Volume	3600 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/30/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	5B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1247
Composite Sample ID	VS2-LBW-15B-COMP2C	Stop Time	1602
Operator			

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		
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31		
32		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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 ml	
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-									

URS

DAILY RECORD OF EVENTS

DATE: 10-8-2013 | PAGE 1 OF

NAME: Katie Pritchard (KLP) - Teresa Davis (THD) - Cameron Holland (CFH)

TO (FILE/PM): Mike Fuchs

CLIENT: Veolia | SITE: Sauget, IL | PROJECT #: 40942525

SUBJECT: Waste Stream Sampling - Concurrent w/ stack tests.

0700 KLP/CFH/THD 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 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 1B.
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 #'s =
Hg # 299 ; Pb # L-467 ; Chlorine # H-760

Begin clean-up.

2000 Depart for Wal-Mart

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	THD
	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

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-11A-Comp1	Liquid Waste Feed	Phys/Comp	1	1A	10-8-13	1150-1251		0.67 gal	(appx.)
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	1542-1842		~0.8 gall.	
VS2-LWF-11B-Comp2C	Liquid Waste Feed	Phys/Comp	1	1B		1542-1855		~0.75 gallons	
VS2-LWF-11B-Grab 1	Liquid Waste Feed	Archive	1	1B		1542		500mL	
VS2-LWF-11B-Grab 2	Liquid Waste Feed	Archive	1	1B		1557		"	
VS2-LWF-11B-Grab 3	Liquid Waste Feed	Archive	1	1B		1612		"	
VS2-LWF-11B-Grab 4	Liquid Waste Feed	Archive	1	1B		1628		"	
VS2-LWF-11B-Grab 5	Liquid Waste Feed	Archive	1	1B		1639		500 mL	Ema HCl - last sample
VS2-LWF-11B-Grab 6	Liquid Waste Feed	Archive	1	1B		1657		"	
VS2-LWF-11B-Grab 7	Liquid Waste Feed	Archive	1	1B		1713		"	New Feeder Tote - 1st Sample
VS2-LWF-11B-Grab 8	Liquid Waste Feed	Archive	1	1B		1726		"	Time 1721: Metals start
VS2-LWF-11B-Grab 9	Liquid Waste Feed	Archive	1	1B		1742		500mL	
VS2-LWF-11B-Grab 10	Liquid Waste Feed	Archive	1	1B		1757		"	
VS2-LWF-11B-Grab 11	Liquid Waste Feed	Archive	1	1B		1812		"	
VS2-LWF-11B-Grab 12	Liquid Waste Feed	Archive	1	1B		1827		"	
VS2-LWF-11B-Grab 13	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

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Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

E-216

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LWF-11B-Grab 15	Liquid Waste Feed	Archive	1	1B					
VS2-LWF-11B-Grab 16	Liquid Waste Feed	Archive	1	1B					
VS2-LWF-11B-Grab 17	Liquid Waste Feed	Archive	1	1B					
VS2-LWF-11B-Grab 18	Liquid Waste Feed	Archive	1	1B					
VS2-LWF-11B-Grab 19	Liquid Waste Feed	Archive	1	1B					
VS2-LWF-11B-Grab 20	Liquid Waste Feed	Archive	1	1B					
VS2-LWF-11B-Grab 21	Liquid Waste Feed	Archive	1	1B					

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	1150-1250		2595g	
VS2-CS-11A-Grab 1	Containerized Solids	Archive	1	1A	10-8-13	1150		401	Box # 88-175 Total wt: 2,392g
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		2601g	KP
VS2-CS-11B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	1B		1540-1840		4028g	
VS2-CS-11B-Comp2C	Containerized Solids	Phys/Comp	1	1B		1540-1855		4436g	(2654)
VS2-CS-11B-Grab 1	Containerized Solids	Archive	1	1B		1540		472	#46 KP
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		486	# 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

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Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-CS-11B-Grab 15	Containerized Solids	Archive	1	1B					
VS2-CS-11B-Grab 16	Containerized Solids	Archive	1	1B					
VS2-CS-11B-Grab 17	Containerized Solids	Archive	1	1B					
VS2-CS-11B-Grab 18	Containerized Solids	Archive	1	1B					
VS2-CS-11B-Grab 19	Containerized Solids	Archive	1	1B					
VS2-CS-11B-Grab 20	Containerized Solids	Archive	1	1B					
VS2-CS-11B-Grab 21	Containerized Solids	Archive	1	1B					

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-11A-Comp1	High Btu Liquid Waste	Phys/Comp	1	1A	10-8-13	1150		~0.67 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 gall.	
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		1540-1854		"	
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

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Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-11B-Grab 15	High Btu Liquid Waste	Archive	1	1B					
VS2-HBW-11B-Grab 16	High Btu Liquid Waste	Archive	1	1B					
VS2-HBW-11B-Grab 17	High Btu Liquid Waste	Archive	1	1B					
VS2-HBW-11B-Grab 18	High Btu Liquid Waste	Archive	1	1B					
VS2-HBW-11B-Grab 19	High Btu Liquid Waste	Archive	1	1B					
VS2-HBW-11B-Grab 20	High Btu Liquid Waste	Archive	1	1B					
VS2-HBW-11B-Grab 21	High Btu Liquid Waste	Archive	1	1B					

E-220

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-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	1541-1640		~.75 gal	
VS2-LBW-11B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	1B		1541-1841		~0.8 gal	
VS2-LBW-11B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	1B		1541-1854		"	
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		"	
VS2-LBW-11B-Grab 13	Low Btu Liquid Waste	Archive	1	1B		1841		"	1843 Time - Stop Metals
VS2-LBW-11B-Grab 14	Low Btu Liquid Waste	Archive	1	1B		1854		"	Finish Test

E-221

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-11B-Grab 15	Low Btu Liquid Waste	Archive	1	1B					
VS2-LBW-11B-Grab 16	Low Btu Liquid Waste	Archive	1	1B					
VS2-LBW-11B-Grab 17	Low Btu Liquid Waste	Archive	1	1B					
VS2-LBW-11B-Grab 18	Low Btu Liquid Waste	Archive	1	1B					
VS2-LBW-11B-Grab 19	Low Btu Liquid Waste	Archive	1	1B					
VS2-LBW-11B-Grab 20	Low Btu Liquid Waste	Archive	1	1B					
VS2-LBW-11B-Grab 21	Low Btu Liquid Waste	Archive	1	1B					

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	1A
Stream Name	Containerized Solids (CS)	Start Time	
Composite Sample ID	VS2-CS-1 1A -COMP 1	Stop Time	
Operator	THO		

Sample Number	Container ID	Time	Volume/ Mass (g)
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	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~~1~~A-COMP ~~1~~ 2A	Stop Time	
Operator	THO		

Sample Number	Container ID	Time	Volume/ Mass (g)
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	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 2B	Stop Time	
Operator	THO		

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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~~1B-COMP~~RC~~	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.

URS

DAILY RECORD OF EVENTS

DATE: 10-9-13	PAGE OF
NAME: Katie Pritchard (KP) - Cameron Holland (CH) - Teresa Davis (TD)	
TO (FILE/PM): ~~Mark~~ Mike Fuchs	
CLIENT: Veolia	SITE: Sauget, IL
PROJECT #: ~~4094~~ 40942525	
SUBJECT: Waste Sampling	

0810 KP/TD/CH Depart hotel. Cameron to OfficeMax for printer cartridge.
KP/TD to site. Weather, sunny high near 80.
0820 KP-TD on-site begin to gear-up for daily sampling
0940 CH on-site. Hold Tailgate H+S Meeting.
0900 Veolia started feed. 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~~ Run 2B2A - complete at 1300.
1430 Mike Fuchs indicates that we will no longer test today -
problem w/ ~~petroleum~~ hydrocarbon 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: 16978	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	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 COMP~~	Stop Time	1045
Operator			

VS2-LBW-12A-COMP 1-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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LWW

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 COMP~~	Stop Time	1045
Operator			

VS2-HBW-12A-COMP1-DUP

Sample Number	Time	Volume/Mass
1	0947	500mL
2	1000	500mL
3	1016	"
4	1030	"
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HRC4

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 -OUP	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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feed

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	9/10/13
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	Stop Time	1045
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Feeder

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	High Btu Liquid Waste	Start Time	0945
Sample Point	VS2-HBW-12A-COMP 1	Stop Time	1045
Operator			

Sample Number	Time	Volume/Mass
1	0947	500
2	1000	500mL
3	1016	"
4	1030	"
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

HIGH E-233

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/7/13
Project Number	40942525.30-02	Condition No.	1
Facility	Unit 2	Run No	2A
Stream Name	Low Btu Liquid Waste	Start Time	0945
Sample Point	VS2-LBW-12A-COMP_L	Stop Time	1045
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

LOW

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	1A
Stream Name	Containerized Solids (CS)	Start Time	0945
Composite Sample ID	VS2-CS-1 2A -COMP 1	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	501 g
4	88-417	1030	503 g
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		1018		"	
VS2-LWF-12A-Grab 4	Liquid Waste Feed	Archive	1	2A		1032		"	
VS2-LWF-12A-Grab 5	Liquid Waste Feed	Archive	1	2A		1047		"	
[redacted]									
[redacted]									
[redacted]									
VS2-LWF-12B-Comp2A	Liquid Waste Feed	Phys/Comp	1	2B	10-9-13	1301		~2500mL	
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		500mL	
VS2-LWF-12B-Grab 4	Liquid Waste Feed	Archive	1	2B		1247		~400mL	
VS2-LWF-12B-Grab 5	Liquid Waste Feed	Archive	1	2B		1301		500mL	@ 1311 - 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					

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

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Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LWF-12B-Grab 15	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 16	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 17	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 18	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 19	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 20	Liquid Waste Feed	Archive	1	2B					
VS2-LWF-12B-Grab 21	Liquid Waste Feed	Archive	1	2B					

Waste Sample Logbook

Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

E-238

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW (g)	Comments (Box # / Wt (g) / Total Collected)
VS2-CS-12A-Comp1	Containerized Solids	Phys/Comp	1	2A	10/9/13	1045		2527 g	( )
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		[redacted] 1100		517	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)
[redacted]									
[redacted]									
[redacted]									
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: AT 1311 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					

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-12B-Grab 15	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 16	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 17	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 18	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 19	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 20	Containerized Solids	Archive	1	2B					
VS2-CS-12B-Grab 21	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		"	
[redacted]									
[redacted]									
[redacted]									
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					

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Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-HBW-12B-Grab 15	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 16	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 17	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 18	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 19	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 20	High Btu Liquid Waste	Archive	1	2B					
VS2-HBW-12B-Grab 21	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		"	
[redacted]									
[redacted]									
[redacted]									
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		500 mL	
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					

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Veolia-Sauget, IL - Unit 2 CPT

Project Number 40942510.30

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS2-LBW-12B-Grab 15	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 16	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 17	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 18	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 19	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 20	Low Btu Liquid Waste	Archive	1	2B					
VS2-LBW-12B-Grab 21	Low Btu Liquid Waste	Archive	1	2B					

Project Name Veolia – Sauget, IL / Unit 2 CPT

Project Number 40942525.30-02

Date 10/7/13

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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	3,975 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_2SO_4	10/7/13	DI Water	3	900 ml	10/9/13	DPM
		H_2SO_4 (conc.)	4	100 ml		
4% $KMnO_4$	10/8/13	$KMnO_4$	12	40 gm		
5% HNO_3 10% H_2O_2	10/7/13	DI Water	3	617 ml	11/7/13	DPM
		HNO_3 (conc.)	2	50 ml		
		H_2O_2 (30%)	7	333 ml		
8N HCl	10/8/13	DI Water	11	155 ml	11/8/13	DPM
		HCl (conc)	13	345 ml		
10% H_2SO_4	10/8/13	DI Water	14	450 ml	10/10/13	DPM
		H_2SO_4 (conc.)	4	50 ml		
4% $KMnO_4$	10/9/13	$KMnO_4$	12	20 gm		
10% H_2SO_4	10/9/13	DI Water	14	450 ml	10/11/13	DPM
		H_2SO_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 H_2SO_4
Dilute to 1 L volume
40 g $KMnO_4$

Nitric Acid/Hydrogen Peroxide
500 ml Water
50 ml concentrated HNO_3
333 ml 30% H_2O_2
Dilute to 1 L volume

0.1 N Nitric Acid
900 ml water
6.3 ml Concentrated HNO_3
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.

FDS-02C Solution Preparation Log
Revision Date: January 2013

Project Name Veolia – Sauget, IL / Unit 2 CPT

Project Number 40942525.30-02

Date 10/7/13

Page 1 of 1

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_2SO_4 (conc.)	JTB	43557	10/7/13	10/7/14	DPM
5	0.1 N H_2SO_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_2O_2 (30%)	JTB	41318	10/7/13	9/30/17	DPM
8	Acetone	10/7 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_2SO_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	10/11/14	DPM
22	H_2O_2 (30%)	JTB	41318	10/29/13	9/30/17	DPM
23	DI Water	Pharmco	C130430-WHPLC	10/29/13	10/29/14	DPM

[1] This code may be used: JTB = J.T. Baker, Mal = Mallinckrodt; A = Advantor; P = Pharmco, V = VWR, F = Fisher, Mac = Macron

[2] Expiration Date is as provided by manufacturer or 12 months after opening.

FDS-02B Reagent Use Log
Revision Date: January 2013

Project Name Veolia – Sauget, IL / Unit 2 CPT

Project Number 40942525.30-02

Date 10/10/13

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Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date [6]	Initials
10% H_2SO_4	10/10/13	DI Water	16	900 ml	11/10/13	DPM
		H_2SO_4 (conc.)	4	100 ml		
5% HNO_3 10% H_2O_2	10/10/13	DI Water		185 ml	11/10/13	DPM
		~~H_2SO_4 (conc.)~~				
		HNO_3 (conc.)	2	15 ml		
		H_2O_2 (30%)		100 ml		
4% $KMnO_4$	10/10/13 @ 1800	10% H_2SO_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_2O_2	10/29/13	DI Water	4*	185 ml	11/29/13	DPM
		HNO_3 (conc.)	2	15 ml		
		H_2O_2 (30%)	2**	100 ml		
5% ~~H_2O~~ DPM HNO_3 10% H_2O_2	10/29/13	DI Water	4*	123 ml	11/29/13	DPM
		HNO_3 (conc)	2	10 ml		
		H_2O_2 (30%)	2**	62 ml		
			+22	5 ml		

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

Recipes to Make 1 Liter

Sulfuric Acid/Potassium Permanganate
800 ml Water
100 ml Concentrated H_2SO_4
Dilute to 1 L volume
40 g $KMnO_4$

Nitric Acid/Hydrogen Peroxide
500 ml Water
50 ml concentrated HNO_3
333 ml 30% H_2O_2
Dilute to 1 L volume

0.1 N Nitric Acid
900 ml water
6.3 ml Concentrated HNO_3
Dilute to 1 L volume

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

FDS-02C Solution Preparation Log
Revision Date: January 2013

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

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

Project Name Veolia – Sauget, IL / Unit 2 CPT

Project Number 40942525.30-02

Date

Reagent Use Log

Ref No.	Reagent	Manufacturer [1]	Lot Number	Date Opened	Expiration Date [2]	Initials
24	0.1N NaOH	JTB	52505	10/29/13	10/29/14	KMM
25	0.1N H_2SO_4	JTB	44664	10/29/13	10/29/14	KMM
26	DI Water	Pharmco	C130430-WHPLC	10/30/13	10/30/14	DAM

[1] This code may be used: JTB = J.T. Baker, Mal = Mallinckrodt; A = Advantor; 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
0.1 N HNO_3	10/29/13	DI Water	23	994 ml	11/29/13	DAM
		HNO_3(conc)	2	6 ml		
10% H_2SO_4	10/29/13	DI HPLC	23	360 ml	11/29/13	KMM
		H_2SO_4	6	40 ml		
4% $KMnO_4$	10/30/13	$KMnO_4$	12	16 g	10/31/13	DAM

Recipes to Make 1 Liter

Sulfuric Acid/Potassium Permanganate
800 ml Water
100 ml Concentrated H_2SO_4
Dilute to 1 L volume
40 g $KMnO_4$

Nitric Acid/Hydrogen Peroxide
500 ml Water
50 ml concentrated HNO_3
333 ml 30% H_2O_2
Dilute to 1 L volume

0.1 N Nitric Acid
900 ml water
6.3 ml Concentrated HNO_3
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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
865-291-3000

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.**

Date of Request: September 16, 2013
Company: URS, Austin
Client Project: Veolia, Sauget Unit 2 or 3
Client PO#: Pending

Rush Order? No
Quantims 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, Supelco Lot: 44737	A 5037
6	Particulate Filter	87.5mm GFF (M0023A)	A 5038

URS Veolia A 5037 XAD Dioxin

URS Veolia A 5038 Filters Dioxin

Comments:

Method	Color Code	Amt. Spiked	Conc. And Units	Spike Sol'n ID	Exp. Date	Spiked By/ Date	Verified By
8270C							
Dioxin	NA	100ul	20ng/ml	DF0240	1/1/15	CBA 10/2/13	MJR
1668 mod.							
CARB 429							
8081A							
TCO/Grav		NA	NA	NA	NA	NA	NA

Shipping *(include blank COCs and Custody Seals with this shipment. Send temperature blanks where applicable)*

Attn: ~~Dave Maxwell~~ Dave Klarich
Company: ~~URS Corporation~~ Veolia environmental services
Address 1: ~~9400 Amberglen Blvd.~~ 7 Mobile Ave
Address 2:
City, State, Zip: ~~Austin, TX 78729~~ Sauget, ill 62201
Phone: ~~(512) 419-5797~~ 618-271-2804
Fax:
FedEx Email: dave.maxwell@urs.com

Lot Number:

Completed/Shipped by: [illegible]
Date Shipped: 10/2/13
Shipping Courier: Fed Ex
Tracking Number

Invoice #:

URS

DAILY RECORD OF EVENTS

DATE: 10/15/13 PAGE 1 OF

NAME: Teresa Davis

TO (FILE/PM): Mike Fuchs

CLIENT: Veolia SITE: Sauget, IL PROJECT #: 40942525

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 Riebe
weather: raining (heavy at times), low 60's
0815 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	TH 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: 16978	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:

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

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-11A-Comp1	High Btu Liquid Waste	Phys/Comp	1	1A	10/15/13	1415		2,500 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			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-HBW-11B-Grab 15	High Btu Liquid Waste	Archive	1	1B					
VS3-HBW-11B-Grab 16	High Btu Liquid Waste	Archive	1	1B					
VS3-HBW-11B-Grab 17	High Btu Liquid Waste	Archive	1	1B					
VS3-HBW-11B-Grab 18	High Btu Liquid Waste	Archive	1	1B					
VS3-HBW-11B-Grab 19	High Btu Liquid Waste	Archive	1	1B					
VS3-HBW-11B-Grab 20	High Btu Liquid Waste	Archive	1	1B					
VS3-HBW-11B-Grab 21	High Btu Liquid Waste	Archive	1	1B					

Liquid Waste Feed 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	1
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1317
Composite Sample ID	VS3-HBW-1A-COMP_1_	Stop Time	1415
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1616
Composite Sample ID	VS3-HBW-1~~1~~8 -COMP~~2~~A	Stop Time	1716
Operator			

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		

CH 10/15/13

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1616
Composite Sample ID	VS3-HBW-1~~1~~0 -COMP~~2~~8	Stop Time	1901
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1616
Composite Sample ID	VS3-HBW-1B -COMPAC	Stop Time	1931
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	1A	10/15/13	1416		2,520g	
VS3-CS-11A-Grab 1	Containerized Solids	Archive	1	1A	10/15/13	1316	CH 10/15/13 ~~1,724g~~	500g	88-289; 1,724g
VS3-CS-11A-Grab 2	Containerized Solids	Archive	1	1A		1331		500g	88-279; 1,752g
VS3-CS-11A-Grab 3	Containerized Solids	Archive	1	1A		1346		505g	88-341; 1,783g
VS3-CS-11A-Grab 4	Containerized Solids	Archive	1	1A		1401		494g	88-354; 1,819g
VS3-CS-11A-Grab 5	Containerized Solids	Archive	1	1A		1416		502g	88-367; 1,533g
VS3-CS-11A-Grab 6	Containerized Solids	Archive	1	1A					
VS3-CS-11A-Grab 7	Containerized Solids	Archive	1	1A					
VS3-CS-11A-Grab 8	Containerized Solids	Archive	1	1A					
VS3-CS-11B-Comp2A	Containerized Solids	Phys/Comp	1	1B	10/15/13	1715		2,506g	
VS3-CS-11B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	1B		CH ~~1830~~ 1900		3,619g	
VS3-CS-11B-Comp2C	Containerized Solids	Phys/Comp	1	1B		1930		4,217g	
VS3-CS-11B-Grab 1	Containerized Solids	Archive	1	1B		1615		449g	22; 2,110g
VS3-CS-11B-Grab 2	Containerized Solids	Archive	1	1B		1630		402g	30; 1,868g
VS3-CS-11B-Grab 3	Containerized Solids	Archive	1	1B		1645		489g	40; 1,605g
VS3-CS-11B-Grab 4	Containerized Solids	Archive	1	1B		1700		441g	50; 1,669g
VS3-CS-11B-Grab 5	Containerized Solids	Archive	1	1B		1715		411g	59; 2,658g
VS3-CS-11B-Grab 6	Containerized Solids	Archive	1	1B		1730		410g	67; 1,375g
VS3-CS-11B-Grab 7	Containerized Solids	Archive	1	1B		1745		433g	75; 1,188g
VS3-CS-11B-Grab 8	Containerized Solids	Archive	1	1B		1800		515g	86; 1,440g
VS3-CS-11B-Grab 9	Containerized Solids	Archive	1	1B		1815		413g	97; 1,498g
VS3-CS-11B-Grab 10	Containerized Solids	Archive	1	1B		1830		348g	106; 958g
VS3-CS-11B-Grab 11	Containerized Solids	Archive	1	1B		1845		572g	116; 1,632g
VS3-CS-11B-Grab 12	Containerized Solids	Archive	1	1B		1900		460g	127; 1,546g
VS3-CS-11B-Grab 13	Containerized Solids	Archive	1	1B		1915		504g	135; 1,093g
VS3-CS-11B-Grab 14	Containerized Solids	Archive	1	1B		1930		507g	144; 884g

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-CS-11B-Grab 15	Containerized Solids	Archive	1	1B					
VS3-CS-11B-Grab 16	Containerized Solids	Archive	1	1B					
VS3-CS-11B-Grab 17	Containerized Solids	Archive	1	1B					
VS3-CS-11B-Grab 18	Containerized Solids	Archive	1	1B					
VS3-CS-11B-Grab 19	Containerized Solids	Archive	1	1B					
VS3-CS-11B-Grab 20	Containerized Solids	Archive	1	1B					
VS3-CS-11B-Grab 21	Containerized Solids	Archive	1	1B					

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-11B -COMP2C	Stop Time	1930
Operator			

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	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-1~~1~~B -COMP~~2~~B	Stop Time	1900
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	22	1615	301g
2	30	1630	300g
3	40	1645	300 g
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	Date	10/15/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	1
Stream Name	Containerized Solids (CS)	Start Time	1316
Composite Sample ID	VS3-CS-1A-COMP1	Stop Time	1416
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	88-289	1316	501 g
2	88-279	1331	509 g
3	88-341	1346	501 g
4	88-354	1401	505 g
5	88-367	1416	504 g
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	2,520 g

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	10/15/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	1
Stream Name	Liquid Waste Feed (LWF)	Start Time	1316
Composite Sample ID	VS3-LWF-1 A -COMP 1	Stop Time	1414
Operator			

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		
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Sample Number	Time	Volume/Mass
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	1615
Composite Sample ID	VS3-LWF-1~~1~~8 -COMP~~2~~A	Stop Time	1715
Operator			

Sample Number	Time	Volume/Mass
1	1615	500 mL
2	1630	500 mL
3	1645	↓
4	1700	↓
5	1715	↓
6		
7		
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Sample Number	Time	Volume/Mass
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23		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	1615
Composite Sample ID	VS3-LWF-18-COMP20	Stop Time	1900
Operator			

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		
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Sample Number	Time	Volume/Mass
21		
22		
23		
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25		
26		
27		
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30		
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34		
35		
36		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	1615
Composite Sample ID	VS3-LWF-18-COMP2C	Stop Time	1930
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LWF-11B-Grab 15	Liquid Waste Feed	Archive	1	1B					
VS3-LWF-11B-Grab 16	Liquid Waste Feed	Archive	1	1B					
VS3-LWF-11B-Grab 17	Liquid Waste Feed	Archive	1	1B					
VS3-LWF-11B-Grab 18	Liquid Waste Feed	Archive	1	1B					
VS3-LWF-11B-Grab 19	Liquid Waste Feed	Archive	1	1B					
VS3-LWF-11B-Grab 20	Liquid Waste Feed	Archive	1	1B					
VS3-LWF-11B-Grab 21	Liquid Waste Feed	Archive	1	1B					

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	10/15/13	1416		2,500 mL	
VS3-LBW-11A-Grab 1	Low Btu Liquid Waste	Archive	1	1A	10/15/13	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	10/15/13				
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			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-LBW-11B-Grab 15	Low Btu Liquid Waste	Archive	1	1B					
VS3-LBW-11B-Grab 16	Low Btu Liquid Waste	Archive	1	1B					
VS3-LBW-11B-Grab 17	Low Btu Liquid Waste	Archive	1	1B					
VS3-LBW-11B-Grab 18	Low Btu Liquid Waste	Archive	1	1B					
VS3-LBW-11B-Grab 19	Low Btu Liquid Waste	Archive	1	1B					
VS3-LBW-11B-Grab 20	Low Btu Liquid Waste	Archive	1	1B					
VS3-LBW-11B-Grab 21	Low Btu Liquid Waste	Archive	1	1B					

Liquid Waste Feed 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	Low BTU Liquid Waste (LBW)	Start Time	1617
Composite Sample ID	VS3-LBW-1~~1~~8 -COMP~~2~~C	Stop Time	1932
Operator			

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		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Low BTU Liquid Waste (LBW)	Start Time	1617
Composite Sample ID	VS3-LBW-18 -COMP28	Stop Time	1902
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Low BTU Liquid Waste (LBW)	Start Time	1617
Composite Sample ID	VS3-LBW-118 -COMP2A	Stop Time	1717
Operator			

Sample Number	Time	Volume/Mass
1	1617	500 ~~250~~ mL CH 10/15
2	1632	
3	1647	
4	1702	
5	1717	
6		
7		
8		
9		
10		
11		CH 10/15/13
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	1
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1318
Composite Sample ID	VS3-LBW-1A-COMP_1	Stop Time	1416
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

URS

DAILY RECORD OF EVENTS

DATE: 10/16/13 | PAGE 1 OF

NAME: Teresa Davis

TO (FILE/PM): Mike Fuchs

CLIENT: Veolia | SITE: Sauget, IL | PROJECT #: 40942525

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.

Personnel on site: Teresa Davis, Cameron Holland, Mike Priebe } URS

weather

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: 120ml 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	MP
	Date	10/16/13

	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	20		20.3		
	50		50.2		
	100		100.5		
	200		200.7		
Student Weight Set ID: 16978	500		500.3		
	1000		1001.1		

[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 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	2A	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	2B	10/16/13	1501		2,500 ml	
VS3-HBW-12B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	2B		1646		3000 ml	
VS3-HBW-12B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	2B		1716		3500 ml	
VS3-HBW-12B-Grab 1	High Btu Liquid Waste	Archive	1	2B		1401		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			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-HBW-12B-Grab 15	High Btu Liquid Waste	Archive	1	2B					
VS3-HBW-12B-Grab 16	High Btu Liquid Waste	Archive	1	2B					
VS3-HBW-12B-Grab 17	High Btu Liquid Waste	Archive	1	2B					
VS3-HBW-12B-Grab 18	High Btu Liquid Waste	Archive	1	2B					
VS3-HBW-12B-Grab 19	High Btu Liquid Waste	Archive	1	2B					
VS3-HBW-12B-Grab 20	High Btu Liquid Waste	Archive	1	2B					
VS3-HBW-12B-Grab 21	High Btu Liquid Waste	Archive	1	2B					

Liquid Waste Feed 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	2A
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1116
Composite Sample ID	VS3-HBW-12A-COMP 1	Stop Time	1216
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	2B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1401
Composite Sample ID	VS3-HBW-12B-COMP2A	Stop Time	1501
Operator			

Sample Number	Time	Volume/Mass
1	1401	500 ml
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	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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	2B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1401
Composite Sample ID	VS3-HBW-12B-COMP2B	Stop Time	1646
Operator			

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	↓
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	Date	10/16/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	2B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1401
Composite Sample ID	VS3-HBW-12B-COMP2C	Stop Time	1716
Operator			

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	
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	3500 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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		1145		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		~~1529~~ 419	#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

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-CS-12B-Grab 15	Containerized Solids	Archive	1	2B					
VS3-CS-12B-Grab 16	Containerized Solids	Archive	1	2B					
VS3-CS-12B-Grab 17	Containerized Solids	Archive	1	2B					
VS3-CS-12B-Grab 18	Containerized Solids	Archive	1	2B					
VS3-CS-12B-Grab 19	Containerized Solids	Archive	1	2B					
VS3-CS-12B-Grab 20	Containerized Solids	Archive	1	2B					
VS3-CS-12B-Grab 21	Containerized Solids	Archive	1	2B					

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	2B
Stream Name	Containerized Solids (CS)	Start Time	1400
Composite Sample ID	VS3-CS-12B-COMP2C	Stop Time	1715
Operator			

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	2B
Stream Name	Containerized Solids (CS)	Start Time	1400
Composite Sample ID	VS3-CS-12B-COMP2B	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	~~1361~~	~~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	2B
Stream Name	Containerized Solids (CS)	Start Time	1400
Composite Sample ID	VS3-CS-12B-COMP2A	Stop Time	1500
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	22	1400	~~[illegible]~~ 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	Date	10/16/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	2A
Stream Name	Containerized Solids (CS)	Start Time	1115
Composite Sample ID	VS3-CS-12A-COMP1	Stop Time	1215
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	88-47	1115	503 g
2	88-29	1130	502 g
3	88-20	1145	502 g
4	88-3	1200	502 g
5	88-370	1215	501 g
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	2,510 g

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.

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		2,500 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			

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-12B-Grab 15	Liquid Waste Feed	Archive	1	2B					
VS3-LWF-12B-Grab 16	Liquid Waste Feed	Archive	1	2B					
VS3-LWF-12B-Grab 17	Liquid Waste Feed	Archive	1	2B					
VS3-LWF-12B-Grab 18	Liquid Waste Feed	Archive	1	2B					
VS3-LWF-12B-Grab 19	Liquid Waste Feed	Archive	1	2B					
VS3-LWF-12B-Grab 20	Liquid Waste Feed	Archive	1	2B					
VS3-LWF-12B-Grab 21	Liquid Waste Feed	Archive	1	2B					

Liquid Waste Feed 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	2B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1400
Composite Sample ID	VS3-LWF-12B-COMP2B	Stop Time	1645
Operator			

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	Date	10/16/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	2B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1400
Composite Sample ID	VS3-LWF-12B-COMP2C	Stop Time	1715
Operator			

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	Date	10/16/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	2B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1400
Composite Sample ID	VS3-LWF-12B-COMP2A	Stop Time	1500
Operator			

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	Date	10/16/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	2 A
Stream Name	Liquid Waste Feed (LWF)	Start Time	1115
Composite Sample ID	VS3-LWF-12A-COMP 1	Stop Time	1215
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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			

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-12B-Grab 15	Low Btu Liquid Waste	Archive	1	2B					
VS3-LBW-12B-Grab 16	Low Btu Liquid Waste	Archive	1	2B					
VS3-LBW-12B-Grab 17	Low Btu Liquid Waste	Archive	1	2B					
VS3-LBW-12B-Grab 18	Low Btu Liquid Waste	Archive	1	2B					
VS3-LBW-12B-Grab 19	Low Btu Liquid Waste	Archive	1	2B					
VS3-LBW-12B-Grab 20	Low Btu Liquid Waste	Archive	1	2B					
VS3-LBW-12B-Grab 21	Low Btu Liquid Waste	Archive	1	2B					

Liquid Waste Feed 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	2A
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1117
Composite Sample ID	VS3-LBW-12A-COMP 1	Stop Time	1217
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	2B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1402
Composite Sample ID	VS3-LBW-12B-COMP2A	Stop Time	1502
Operator			

Sample Number	Time	Volume/Mass
1	1402	500 ml
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	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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	2B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1402
Composite Sample ID	VS3-LBW-12B-COMP2B	Stop Time	1647
Operator			

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		
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19		
20		

Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
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27		
28		
29		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	2B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1402
Composite Sample ID	VS3-LBW-12B-COMP 2C	Stop Time	1717
Operator			

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	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		
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35		
36		
37		
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39		
	Final Volume	3500 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

URS

DAILY RECORD OF EVENTS

DATE: 10/17/13 PAGE 1 OF

NAME: Teresa Davis

TO (FILE/PM): Mike Fuchs

CLIENT: Veolia SITE: Sauget, IL PROJECT #: 40942525

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, Cameron Holland, Mike Priebe } URS

Weather: cloudy, 50°

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 2C

1555 Collect Archive Spike Samples; Ds and Ps train complete

Cl: H-569 Pb: L-72 Hg: 481

600 Split 1st 3 spike samples w/ EPA representative.

1620 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	1330		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		~~1341545~~		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		517g	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		1445		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

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			

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		0951		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			

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		952		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		2,500mL	
VS3-LBW-13B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	3B		1517		3,000mL	
VS3-LBW-13B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	3B		1547		3,000mL	
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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	Containerized Solids (CS)	Start Time	1230
Composite Sample ID	VS3-CS-13B-COMP2A	Stop Time	1330
Operator			

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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	Containerized Solids (CS)	Start Time	1230
Composite Sample ID	VS3-CS-13B-COMP2B	Stop Time	1515
Operator			

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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	Containerized Solids (CS)	Start Time	1230
Composite Sample ID	VS3-CS-13B-COMP2C	Stop Time	
Operator			

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	1446	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	3B
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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1230
Composite Sample ID	VS3-LWF-13B-COMP2B	Stop Time	1515
Operator			

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	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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1230
Composite Sample ID	VS3-LWF-13B-COMP2C	Stop Time	1545
Operator			

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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1231
Composite Sample ID	VS3-HBW-13B-COMP2A	Stop Time	1331
Operator			

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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1231
Composite Sample ID	VS3-HBW-13B-COMP2B	Stop Time	1516
Operator			

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		
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19		
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Sample Number	Time	Volume/Mass
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23		
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25		
26		
27		
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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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1231
Composite Sample ID	VS3-HBW-13B-COMP2C	Stop Time	1546
Operator			

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		
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Sample Number	Time	Volume/Mass
21		
22		
23		
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27		
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	Final Volume	3,800 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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	3B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1232
Composite Sample ID	VS3-LBW-138-COMP 2A	Stop Time	1332
Operator			

Sample Number	Time	Volume/Mass
1	1232	500 mL
2	1247	
3	1302	
4	1317	
5	1332	
6		
7		
8		
9		
10		
11		
12		
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Sample Number	Time	Volume/Mass
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22		
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	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	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1232
Composite Sample ID	VS3-LBW-13B-COMP2B	Stop Time	1517
Operator			

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		
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25		
26		
27		
28		
29		
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32		
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34		
35		
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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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	1232
Composite Sample ID	VS3-LBW-13B-COMP2C	Stop Time	1547
Operator			

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		
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Sample Number	Time	Volume/Mass
21		
22		
23		
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25		
26		
27		
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34		
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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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3A
Stream Name	Containerized Solids (CS)	Start Time	0950
Composite Sample ID	VS3-CS-13A-COMP1	Stop Time	1050
Operator			

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			
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12			
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15			
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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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3A
Stream Name	Liquid Waste Feed (LWF)	Start Time	0950
Composite Sample ID	VS3-LWF-13A-COMP1	Stop Time	1050
Operator			

Sample Number	Time	Volume/Mass
1	0950	500ml
2	1005	
3	1020	
4	1035	
5	1050	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
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18		
19		
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Sample Number	Time	Volume/Mass
21		
22		
23		
24		
25		
26		
27		
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29		
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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	Date	10/17/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	3A
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	0952
Composite Sample ID	VS3-LBW-13A-COMP 1	Stop Time	1052
Operator			

Sample Number	Time	Volume/Mass
1	0952	500ml
2	1007	↓
3	1022	↓
4	1037	↓
5	1052	↓
6		
7		
8		
9		
10		
11		
12		
13		
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16		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	3A
Stream Name	High BTU Liquid Waste (HBW)	Start Time	0951
Composite Sample ID	VS3-HBW-13A-COMP 1	Stop Time	1051
Operator			

Sample Number	Time	Volume/Mass
1	0951	500 ml
2	1006	↓
3	1021	↓
4	1036	↓
5	1051	↓
6		
7		
8		
9		
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12		
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16		
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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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	10/17/13

	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: 16978	20		20.3		
	50		50.0		
	100		100.4		
	200		200.2		
	500		500.1		
	1000		1000.5		

[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

URS

DAILY RECORD OF EVENTS

DATE:	10/18/13
PAGE	1 OF
NAME:	Teresa Davis
TO (FILE/PM):	Mike Fuchs
CLIENT:	Veolia
SITE:	Sauget, IL
PROJECT #:	40942525
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, Mike Priebe } URS
	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 Comp2A
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 Comp2B
1250	Ds and Fs train ends; collect sample Comp2C
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: 16978	20		20.8		
	50		50.4		
	100		100.6		
	200		200.1		
	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~~ 40942525

Date & Time: 10/15/13, 800am

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. 911 for any emergency situations, Notify onsite Contact		
Hospital:	See HASP	Clinic: See HASP	See HASP
Biological Hazards:		Physical Hazards:	Slips/trips/Falls, Slippery surface from Rain
Chemical Hazards:	unknown (organic)	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

10/16/13

10/17/13

10/18/13

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

Supervisor's Signature: _____ Date 10/15/13

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

Containerized Solids 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	4B
Stream Name	Containerized Solids (CS)	Start Time	0935
Composite Sample ID	VS3-CS-1 4B -COMP 2A	Stop Time	1035
Operator			

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	Date	10/18/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	4B
Stream Name	Containerized Solids (CS)	Start Time	0935
Composite Sample ID	VS3-CS-1 4B-COMP 3B	Stop Time	1220
Operator			

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	3,620 g

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	10/18/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	4B
Stream Name	Containerized Solids (CS)	Start Time	0935
Composite Sample ID	VS3-CS-1~~4~~B-COMP~~2~~C	Stop Time	1250
Operator			

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			
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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	4B
Stream Name	Liquid Waste Feed (LWF)	Start Time	0935
Composite Sample ID	VS3-LWF-1~~2A~~4B-COMP~~2A~~	Stop Time	1035
Operator			

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.

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	4B
Stream Name	Liquid Waste Feed (LWF)	Start Time	0935
Composite Sample ID	VS3-LWF-1~~4~~B-COMP~~2~~B	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	Date	10/18/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	4B
Stream Name	Liquid Waste Feed (LWF)	Start Time	0935
Composite Sample ID	VS3-LWF-14B-COMP2C	Stop Time	1250
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	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	Date	10/18/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	4B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	0936
Composite Sample ID	VS3-HBW-14B-COMP2A	Stop Time	1034
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	4B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	0936
Composite Sample ID	VS3-HBW-1<u>4B</u>-COMP<u>2B</u>	Stop Time	1220
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	4B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	0936
Composite Sample ID	VS3-HBW-14B-COMP 2C	Stop Time	1250
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	4B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	0937
Composite Sample ID	VS3-LBW-14B-COMP2A	Stop Time	1035
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	4B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	0937
Composite Sample ID	VS3-LBW-1 4B -COMP 2B	Stop Time	1220
Operator			

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	Date	10/18/13
Project Number	40942525.40-02	Condition No.	1
Facility	Unit 3	Run No	4B
Stream Name	Low BTU Liquid Waste (HBW)	Start Time	0937
Composite Sample ID	VS3-LBW-1<u>4B</u>-COMP<u>2C</u>	Stop Time	1250
Operator			

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		
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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		0950		585g	32; 2,187g
VS3-CS-14B-Grab 3	Containerized Solids	Archive	1	4B		1005		~~501g~~ 466g	43; 2,322g
VS3-CS-14B-Grab 4	Containerized Solids	Archive	1	4B		1020		~~466g~~ 497g	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

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	10/18/13	1035		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			

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	10/18/13	1034		2,500 mL	
VS3-HBW-14B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	4B		1020		~~3,000 mL~~ 3,000 mL	3,000 mL
VS3-HBW-14B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	4B		1250		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		0951			
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			

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	10/18/13	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		1220			
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		1250			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-CL-11B-Grab 1	[redacted]								
VS3-CL-11B-Grab 2	[redacted]					1602			
VS3-CL-11B-Grab 3	Chlorine Spiking Mtl	Archive	1	1B					
VS3-CL-11B-Grab 4	Chlorine Spiking Mtl	Archive	1	1B					
VS3-CL-12B-Grab 1	Chlorine Spiking Mtl	Archive	1	2B	10/16/13	1400			
VS3-CL-12B-Grab 2	Chlorine Spiking Mtl	Archive	1	2B		1503			
VS3-CL-12B-Grab 3	Chlorine Spiking Mtl	Archive	1	2B		1650			
VS3-CL-12B-Grab 4	Chlorine Spiking Mtl	Archive	1	2B		1720			
VS3-CL-13B-Grab 1	Chlorine Spiking Mtl	Archive	1	3B	10/17/13	1230			
VS3-CL-13B-Grab 2	Chlorine Spiking Mtl	Archive	1	3B		1335			
VS3-CL-13B-Grab 3	Chlorine Spiking Mtl	Archive	1	3B		1520			
VS3-CL-13B-Grab 4	Chlorine Spiking Mtl	Archive	1	3B		1555			
VS3-CL-14B-Grab 1	Chlorine Spiking Mtl	Archive	1	4B	10/18/13	0935			
VS3-CL-14B-Grab 2	Chlorine Spiking Mtl	Archive	1	4B		1038			
VS3-CL-14B-Grab 3	Chlorine Spiking Mtl	Archive	1	4B		1218			
VS3-CL-14B-Grab 4	Chlorine Spiking Mtl	Archive	1	4B		1251			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-PB-11B-Grab 1	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-PB-11B-Grab 2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-PB-11B-Grab 3	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-PB-11B-Grab 4	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-PB-12B-Grab 1	Lead Spiking Mtl	Archive	1	2B	10/16/13	1400			
VS3-PB-12B-Grab 2	Lead Spiking Mtl	Archive	1	2B		1503			
VS3-PB-12B-Grab 3	Lead Spiking Mtl	Archive	1	2B		1650			
VS3-PB-12B-Grab 4	Lead Spiking Mtl	Archive	1	2B		1720			
VS3-PB-13B-Grab 1	Lead Spiking Mtl	Archive	1	3B	10/17/13	1230			
VS3-PB-13B-Grab 2	Lead Spiking Mtl	Archive	1	3B		1336			
VS3-PB-13B-Grab 3	Lead Spiking Mtl	Archive	1	3B		1520			
VS3-PB-13B-Grab 4	Lead Spiking Mtl	Archive	1	3B		1555			
VS3-PB-14B-Grab 1	Lead Spiking Mtl	Archive	1	4B	10/18/13	0936			
VS3-PB-14B-Grab 2	Lead Spiking Mtl	Archive	1	4B		1038			
VS3-PB-14B-Grab 3	Lead Spiking Mtl	Archive	1	4B		1218			
VS3-PB-14B-Grab 4	Lead Spiking Mtl	Archive	1	4B		1251			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-HG-11B-Grab1	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-HG-11B-Grab2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-HG-11B-Grab3	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-HG-11B-Grab4	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-HG-12B-Grab1	Mercury Spiking Soln	Metals	1	2B	10/16/13	1400			
VS3-HG-12B-Grab2	Mercury Spiking Soln	Metals	1	2B		1503			
VS3-HG-12B-Grab3	Mercury Spiking Soln	Metals	1	2B		1650			
VS3-HG-12B-Grab4	Mercury Spiking Soln	Metals	1	2B		1720			
VS3-HG-13B-Grab1	Mercury Spiking Soln	Metals	1	3B	10/17/13	1230			
VS3-HG-13B-Grab2	Mercury Spiking Soln	Metals	1	3B		1335			
VS3-HG-13B-Grab3	Mercury Spiking Soln	Metals	1	3B		1520			
VS3-HG-13B-Grab4	Mercury Spiking Soln	Metals	1	3B		1555			
VS3-HG-14B-Grab1	Mercury Spiking Soln	Metals	1	4B	10/18/13	0935			
VS3-HG-14B-Grab2	Mercury Spiking Soln	Metals	1	4B		1038			
VS3-HG-14B-Grab3	Mercury Spiking Soln	Metals	1	4B		1218			
VS3-HG-14B-Grab4	Mercury Spiking Soln	Metals	1	4B		1251			

Veolia-Sauget, IL - Unit 3 CPT

Project Number 40942510.40

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS3-CR-11B-Grab1	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-CR-11B-Grab2	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-CR-11B-Grab3	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-CR-11B-Grab4	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			
VS3-CR-12B-Grab1	Chromium Spiking Soln	Metals	1	2B	10/16/13	1400			
VS3-CR-12B-Grab2	Chromium Spiking Soln	Metals	1	2B		1503			
VS3-CR-12B-Grab3	Chromium Spiking Soln	Metals	1	2B		1650			
VS3-CR-12B-Grab4	Chromium Spiking Soln	Metals	1	2B		1720			
VS3-CR-13B-Grab1	Chromium Spiking Soln	Metals	1	3B	10/17/13	1230			
VS3-CR-13B-Grab2	Chromium Spiking Soln	Metals	1	3B		1335			
VS3-CR-13B-Grab3	Chromium Spiking Soln	Metals	1	3B		1520			
VS3-CR-13B-Grab4	Chromium Spiking Soln	Metals	1	3B		1555			
VS3-CR-14B-Grab1	Chromium Spiking Soln	Metals	1	4B	10/18/13	0935			
VS3-CR-14B-Grab2	Chromium Spiking Soln	Metals	1	4B		1038			
VS3-CR-14B-Grab3	Chromium Spiking Soln	Metals	1	4B		1218			
VS3-CR-14B-Grab4	Chromium Spiking Soln	Metals	1	4B		1251			
VS3-									
VS3-									
VS3-									
VS3-									
VS3-									
VS3-									
VS3-									
VS3-									
VS3-									
VS3-									

Project Name Veolia – Sauget, IL / Unit 3 CPT

Project Number 40942525.40-02

Date 10 14/13

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Reagent Use Log

Ref No.	Reagent	Manufacturer [1]	Lot Number	Date Opened	Expiration Date [2]	Initials
1	H_2O_2	JTB	41318	10/14/13	10/14/14	KMM
2	HPLC H_2O	P	C130530-WHLPC	10/14/13	10/14/14	KMM
3	$MeCl_2$	Mac	31647	10/15/13	10/15/14	KMM
4	0.1N H_2SO_4	JTB	44664	10/15/13	10/15/14	KMM
5	HPLC H_2O	P	C130530-WHPLC	10/16/13	10/16/14	KMM
6	H_2SO_4	JTB	43557	10/16/13	10/16/14	KMM
7	Acetone	Mac	54618	10/17/13	10/17/14	KMM
8	0.1N NaOH	JTB	52505	10/17/13	10/17/14	KMM

[1] This code may be used: JTB = J.T. Baker, Mal = Mallinckrodt; A = Advantor; P = Pharmco, V = VWR, F = Fisher, Mac = Macron

[2] Expiration Date is as provided by manufacturer or 12 months after opening.

FDS-02B Reagent Use Log
Revision Date: January 2013

Project Name Veolia – Sauget, IL / Unit 3 CPT

Project Number 40942525.40-02

Date 10/14/13

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Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date [6]	Initials
4% $KMnO_4$	10/14/13	10% H_2SO_4	10/10 *	300	10/15/13	KMM
		$KMnO_4$	12 *	12 gm		
HNO_3/H_2O_2	10/14/13	HPLC H_2O	21 *	500+17	11/14/13	KMM
		HNO_3	2 *	50		
		H_2O_2	1	333		
4% $KMnO_4$	10/15/13	10% H_2SO_4	10/10 *	450 ml	10/16/13	KMM
		$KMnO_4$	12 *	18 g		
10% H_2SO_4	10/15/13	HPLC H_2O	2	900	11/15/13	KMM
		H_2SO_4	4 *	100		
4% $KMnO_4$	10/16/13	10% H_2SO_4	10/15	500	10/17/13	KMM
		$KMnO_4$	12 *	20 g		
0.1N HNO_3	10/16/13	HPLC H_2O	2	1987	KMM 10/16/13 tot 11/18/13	KMM
		HNO_3	2 *	12.6 ml		
10% H_2SO_4	10/16/13	HPLC H_2O	2	900	11/16/13	KMM
		H_2SO_4	4 *	100		

Recipes to Make 1 Liter

Sulfuric Acid/Potassium Permanganate
800 ml Water
100 ml Concentrated H_2SO_4
Dilute to 1 L volume
40 g $KMnO_4$

Nitric Acid/Hydrogen Peroxide
500 ml Water
50 ml concentrated HNO_3
333 ml 30% H_2O_2
Dilute to 1 L volume

0.1 N Nitric Acid
900 ml water
6.3 ml Concentrated HNO_3
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

Project Name Veolia – Sauget, IL / Unit 3 CPT

Project Number 40942525.40-02

Date 10/17/13

Page 2 of 2

Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date [6]	Initials
4% KMnO4	10/17/13	10% H2SO4	10/15	500 ml	10/18/13	KAMM
		KMnO4	4#	20 g		
4% KMnO4	10/18/13	10% H2SO4	10/16	500 ml	10/19/13	KAMM
		KMnO4	4#	20 g		

Recipes to Make 1 Liter

Sulfuric Acid/Potassium Permanganate
800 ml Water
100 ml Concentrated H_2SO_4
Dilute to 1 L volume
40 g $KMnO_4$

Nitric Acid/Hydrogen Peroxide
500 ml Water
50 ml concentrated HNO_3
333 ml 30% H_2O_2
Dilute to 1 L volume

0.1 N Nitric Acid
900 ml water
6.3 ml Concentrated HNO_3
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.

FDS-02C Solution Preparation Log
Revision Date: January 2013

URS

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 Pridbe (MP)

CLIENT: Veolia | SITE: Sauget, IL | PROJECT #: 40042525

SUBJECT: Unit 4 Waste Sampling.

0700 All personell 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 maintainence 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.

1336 Begin Run 1B

Collect Spike samples (beginning); Collect Hg split for EPA

Cl: H-1790 Pb: L-1594 Hg: 2528

1336 Collect Comp 2A samples

1340 Collect Spike samples (mid) during port change

Cl: H-1728 Pb: L-1641 Hg: 2441

1420 ~~Metals~~ CH 10/23/13 Port change complete

~~1520 Met~~ CH 10/23/13

1515 Collect End Spike samples

Cl: H-1672 Pb: L-1684 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

Cl: 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

Katie Pritchard

URS	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 - Sauget, IL	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):	☑ Not Applicable ☐ Confined Space Entry (SMS 010) ☐ Work on Live Electrical Systems (SMS 012) ☐ Hot Work (SMS 020)	☐ Excavation/Trenching (SMS 013) ☐ Hoisting/Rigging (SMS 038) ☐ Lockout/Tagout (SMS 023) ☐ Radiation Work (SMS 052) ☐ 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?	☑ Yes ☐ No ☐ N/A
Was the Site Manager / Owner present during pre-work site walk?	☑ Yes ☐ No ☐ N/A
Have all personnel reviewed and understand the site-specific safety plan?	☑ Yes ☐ No*
Are current JSAs in place for each of the tasks to be performed today and understood by all site staff?	☑ Yes ☐ No*
Does each subcontractor have JSAs for their activities?	☐ Yes ☐ No* ☑ N/A
Has a site walk been performed to identify additional hazards?	☑ Yes ☐ No*
Have any newly identified hazards been documented on the JSA?	☐ Yes ☐ No* ☑ N/A
Have all members of the work team confirmed understanding of the work, hazards, and controls/ mitigation?	☑ Yes ☐ No*
Have work areas been properly cordoned-off to protect workers, site staff, and the public?	☑ Yes ☐ No* ☐ N/A
Have equipment checks been completed, documented, and reviewed?	☑ Yes ☐ No* ☐ 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?	☑ Yes ☐ No*
Personnel are wearing hardhat, high visibility vest, safety glasses, and safety shoes" for all work outside of vehicles and field offices?	☑ Yes ☐ 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.

URS	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	Katie Pritchard	In & Fit KLP 0700	Out & Fit KLP 1730
Mike Priebe / URS	[illegible]	In & Fit MP 0700	Out & Fit MP 1730
Cameron Holland / URS	Cameron Holland	In & Fit CH 0700	Out & Fit CFH 1730
10/24/13 KLP/URS	Katie Pritchard	In & Fit KLP 0730	Out & Fit
Mike Priebe / URS	[illegible]	In & Fit MP 0700	Out & Fit
Cameron Holland / URS	Cameron Holland	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				
Katie Pritchard				
Tom Pai				
Cameron Holland				

To be completed once field activities for the day have been concluded:

Were there any Incidents, Near Misses, Potential Incidents, or Positive Interventions today?	☐ Yes ☐ No	If yes, details:
Were there any 'Stop Work' interventions?	☐ Yes ☐ No	If yes, details:
Were there any areas for improvement noted?	☐ Yes ☐ 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)?	☐ Yes ☐ 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.	☐ Yes ☐ 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	MP
	Date	10/23/13

	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: 16978	20		20.02		
	50		50.03		
	100		100.1		
	200		200.2		
	500		500.1		
	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:

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

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

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	1A	10/22/13	1031		2,523g	
VS4-BS-11A-Grab 1	Bulk Solids	Archive	1	1A		0931		500g	2,380g
VS4-BS-11A-Grab 2	Bulk Solids	Archive	1	1A		0946		514g	2,166g
VS4-BS-11A-Grab 3	Bulk Solids	Archive	1	1A		1001		525g	2,140g
VS4-BS-11A-Grab 4	Bulk Solids	Archive	1	1A		1016		507g	2,156g
VS4-BS-11A-Grab 5	Bulk Solids	Archive	1	1A		1031		510g	
VS4-BS-11A-Grab 6	Bulk Solids	Archive	1	1A					
VS4-BS-11A-Grab 7	Bulk Solids	Archive	1	1A					
VS4-BS-11A-Grab 8	Bulk Solids	Archive	1	1A					
VS4-BS-11B-Comp2A	Bulk Solids	Phys/Comp	1	1B	10/23/13	1337		2,516g	
VS4-BS-11B-Comp2B	Bulk Solids	Phys/Comp, Metals	1	1B		1507		3,323g	
VS4-BS-11B-Comp2C	Bulk Solids	Phys/Comp	1	1B		1537		3,969	
VS4-BS-11B-Grab 1	Bulk Solids	Archive	1	1B		1237		530g	2,572g
VS4-BS-11B-Grab 2	Bulk Solids	Archive	1	1B		1252		761g	2,656g
VS4-BS-11B-Grab 3	Bulk Solids	Archive	1	1B		1307		543g	2,448g
VS4-BS-11B-Grab 4	Bulk Solids	Archive	1	1B		1322		530g	2,412g
VS4-BS-11B-Grab 5	Bulk Solids	Archive	1	1B		1337		530g	2,677g
VS4-BS-11B-Grab 6	Bulk Solids	Archive	1	1B		1352		563g	2,956g
VS4-BS-11B-Grab 7	Bulk Solids	Archive	1	1B		1407		503g	2,119g
VS4-BS-11B-Grab 8	Bulk Solids	Archive	1	1B		1422		542g	2,506g
VS4-BS-11B-Grab 9	Bulk Solids	Archive	1	1B		1437		530g	2,253g
VS4-BS-11B-Grab 10	Bulk Solids	Archive	1	1B		1452		563g	2,339g
VS4-BS-11B-Grab 11	Bulk Solids	Archive	1	1B		1507		534g	2,211g
VS4-BS-11B-Grab 12	Bulk Solids	Archive	1	1B		1522		560g	2,381g
VS4-BS-11B-Grab 13	Bulk Solids	Archive	1	1B		1537		548g	2,210g
VS4-BS-11B-Grab 14	Bulk Solids	Archive	1	1B		1552			

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	10/23/13	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; 2,055g
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	10/23/13	~~1336~~ ~~1080~~		~~2,514g~~ 2,519g	
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		~~1587~~			

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	1A	10/23/13	1030		2,500 mL	
VS4-LBW-11A-Grab 1	Low Btu Liquid Waste	Archive	1	1A		0930		500 mL	
VS4-LBW-11A-Grab 2	Low Btu Liquid Waste	Archive	1	1A		0945			
VS4-LBW-11A-Grab 3	Low Btu Liquid Waste	Archive	1	1A		1000			
VS4-LBW-11A-Grab 4	Low Btu Liquid Waste	Archive	1	1A		1015			
VS4-LBW-11A-Grab 5	Low Btu Liquid Waste	Archive	1	1A		1030			
VS4-LBW-11A-Grab 6	Low Btu Liquid Waste	Archive	1	1A					
VS4-LBW-11A-Grab 7	Low Btu Liquid Waste	Archive	1	1A					
VS4-LBW-11A-Grab 8	Low Btu Liquid Waste	Archive	1	1A					
VS4-LBW-11B-Comp2A	Low Btu Liquid Waste	Phys/Comp	1	1B	10/23/13	1336		2,500 mL	
VS4-LBW-11B-Comp2B	Low Btu Liquid Waste	Phys/Comp, Metals	1	1B		1506		3,300 mL	
VS4-LBW-11B-Comp2C	Low Btu Liquid Waste	Phys/Comp	1	1B		1536		2,600 mL	
VS4-LBW-11B-Grab 1	Low Btu Liquid Waste	Archive	1	1B		1236		500 mL	
VS4-LBW-11B-Grab 2	Low Btu Liquid Waste	Archive	1	1B		1251			
VS4-LBW-11B-Grab 3	Low Btu Liquid Waste	Archive	1	1B		1306			
VS4-LBW-11B-Grab 4	Low Btu Liquid Waste	Archive	1	1B		1321			
VS4-LBW-11B-Grab 5	Low Btu Liquid Waste	Archive	1	1B		1336			
VS4-LBW-11B-Grab 6	Low Btu Liquid Waste	Archive	1	1B		1351			
VS4-LBW-11B-Grab 7	Low Btu Liquid Waste	Archive	1	1B		1406			
VS4-LBW-11B-Grab 8	Low Btu Liquid Waste	Archive	1	1B		1421			
VS4-LBW-11B-Grab 9	Low Btu Liquid Waste	Archive	1	1B		1436			
VS4-LBW-11B-Grab 10	Low Btu Liquid Waste	Archive	1	1B		1451			
VS4-LBW-11B-Grab 11	Low Btu Liquid Waste	Archive	1	1B		1506			
VS4-LBW-11B-Grab 12	Low Btu Liquid Waste	Archive	1	1B		1521			
VS4-LBW-11B-Grab 13	Low Btu Liquid Waste	Archive	1	1B		1536			
VS4-LBW-11B-Grab 14	Low Btu Liquid Waste	Archive	1	1B		~~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		1237		500 mL	
VS4-HBW-11B-Grab 2	High Btu Liquid Waste	Archive	1	1B		1252			
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		~~1537~~	1537		
VS4-HBW-11B-Grab 14	High Btu Liquid Waste	Archive	1	1B		~~1552~~			

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	1A	10/23/13	1032		2,500 mL	
VS4-LWF-11A-Grab 1	Liquid Waste Feed	Archive	1	1A		0932		500 mL	
VS4-LWF-11A-Grab 2	Liquid Waste Feed	Archive	1	1A		0947			
VS4-LWF-11A-Grab 3	Liquid Waste Feed	Archive	1	1A		1002			
VS4-LWF-11A-Grab 4	Liquid Waste Feed	Archive	1	1A		1017			
VS4-LWF-11A-Grab 5	Liquid Waste Feed	Archive	1	1A		1032			
VS4-LWF-11A-Grab 6	Liquid Waste Feed	Archive	1	1A					
VS4-LWF-11A-Grab 7	Liquid Waste Feed	Archive	1	1A					
VS4-LWF-11A-Grab 8	Liquid Waste Feed	Archive	1	1A					
VS4-LWF-11B-Comp2A	Liquid Waste Feed	Phys/Comp	1	1B	10/23/13	1338		2,500 mL	
VS4-LWF-11B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	1B		1508		3,300 mL	
VS4-LWF-11B-Comp2C	Liquid Waste Feed	Phys/Comp	1	1B		1538		2,600 mL	
VS4-LWF-11B-Grab 1	Liquid Waste Feed	Archive	1	1B		1238		500 mL	
VS4-LWF-11B-Grab 2	Liquid Waste Feed	Archive	1	1B		1253			
VS4-LWF-11B-Grab 3	Liquid Waste Feed	Archive	1	1B		1308			
VS4-LWF-11B-Grab 4	Liquid Waste Feed	Archive	1	1B		1323			
VS4-LWF-11B-Grab 5	Liquid Waste Feed	Archive	1	1B		1338			
VS4-LWF-11B-Grab 6	Liquid Waste Feed	Archive	1	1B		1353			
VS4-LWF-11B-Grab 7	Liquid Waste Feed	Archive	1	1B		1408			
VS4-LWF-11B-Grab 8	Liquid Waste Feed	Archive	1	1B		1423			
VS4-LWF-11B-Grab 9	Liquid Waste Feed	Archive	1	1B		1438			
VS4-LWF-11B-Grab 10	Liquid Waste Feed	Archive	1	1B		1453			
VS4-LWF-11B-Grab 11	Liquid Waste Feed	Archive	1	1B		1508			
VS4-LWF-11B-Grab 12	Liquid Waste Feed	Archive	1	1B		1523			
VS4-LWF-11B-Grab 13	Liquid Waste Feed	Archive	1	1B		1538			
VS4-LWF-11B-Grab 14	Liquid Waste Feed	Archive	1	1B		~~1553~~			

Bulk 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	Bulk Solids (BS)	Start Time	0931
Composite Sample ID	VS4-BS-1 1A -COMP 1	Stop Time	1031
Operator			

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		
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12		
13		
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15		
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Sample Number	Time	Volume/Mass
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22		
23		
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34		
35		
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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	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1B
Stream Name	Bulk Solids (BS)	Start Time	1237
Composite Sample ID	VS4-BS-1 1B -COMP 2A	Stop Time	1337
Operator			

Sample Number	Time	Volume/Mass
1	1237	502 g
2	~~1237~~ 1252	~~298 g~~ 502g
3	1307	502g
4	1322	501g
5	1337	509g
6	1	
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
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18		
19		
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Sample Number	Time	Volume/Mass
21		
22		
23		
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34		
35		
36		
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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	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1B
Stream Name	Bulk Solids (BS)	Start Time	1237
Composite Sample ID	VS4-BS-1~~1~~B-COMP ~~2~~B	Stop Time	1507
Operator			

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		
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Sample Number	Time	Volume/Mass
21		
22		
23		
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25		
26		
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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	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1B
Stream Name	Bulk Solids (BS)	Start Time	1237
Composite Sample ID	VS4-BS-1~~1~~B -COMP ~~2~~C	Stop Time	1537
Operator			

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~~ ~~39g~~

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-1 1A -COMP 1	Stop Time	1030
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	27	0930	501 g
2	37	0945	499 g
3	47	1000	502 g
4	57	1015	505 g
5	65	1030	507 g
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	2,514 g

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-1~~1~~B -COMP~~2~~A	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	2,519 g

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-1 1B -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 S4-Metals-Box

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-1B-COMP2C	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		~~1507~~	
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	Date	10123113
Project Number	40942525.20-02	Condition No.	1
Facility	Unit ~~2~~ 4	Run No	1A
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	0930
Composite Sample ID	VS~~3~~4-LBW-1 1A -COMP 1	Stop Time	1030
Operator			

Sample Number	Time	Volume/Mass
1	0930	500mL
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	1B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1236
Composite Sample ID	VS3-LBW-1~~1~~B-COMP~~2~~A	Stop Time	1336
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 24	Run No	1B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1236
Composite Sample ID	VS4-LBW-1B-COMP3B	Stop Time	1506
Operator			

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-LBtu

Sampled from X-11 stream

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Low BTU Liquid Waste (LBW)	Start Time	1236
Composite Sample ID	VS4-LBW-1 1B -COMP 2C	Stop Time	1536
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	0931
Composite Sample ID	VS3-HBW-1~~1A~~-COMP 1	Stop Time	1031
Operator			

Sample Number	Time	Volume/Mass
1	0931	500 mL
2	0946	↓
3	1001	↓
4	1016	↓
5	1031	↓
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
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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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	18
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1237
Composite Sample ID	VS3-HBW-118-COMP2A	Stop Time	1337
Operator			

Sample Number	Time	Volume/Mass
1	1237	500mL
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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1237
Composite Sample ID	VS3-HBW-1~~1~~B-COMP~~2~~B	Stop Time	1507
Operator			

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	~~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	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 - HBtu

Sampled from X-12 stream

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1237
Composite Sample ID	VS3-HBW-1~~1~~B-COMP~~2~~C	Stop Time	1537
Operator			

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.

EPA Split Veolia S4-DF-HBtu

Sampled from X-12 stream

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	0932
Composite Sample ID	VS4-LWF-1 1A -COMP 1	Stop Time	1032
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	1238
Composite Sample ID	VS4-LWF-1<u>1B</u>-COMP<u>2A</u>	Stop Time	1338
Operator			

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	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	1B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1238
Composite Sample ID	VS4-LWF-1~~1~~B-COMP~~2~~B	Stop Time	1508
Operator			

Sample Number	Time	Volume/Mass
1	1238	300 mL
2	1253	
3	1308	
4	1323	
5	1338	
6	1353	
7	1408	
8	1423	
9	1438	
10	1453	
11	1508	
12	~~1523~~	
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	Date	10/23/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	LB
Stream Name	Liquid Waste Feed (LWF)	Start Time	1238
Composite Sample ID	VS4-LWF-1~~1B~~-COMP2C	Stop Time	1538
Operator			

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

URS

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 Priebe (MP)
CLIENT:	Veolia
SITE:	Veolia - Sauget, IL
PROJECT #:	49042525
SUBJECT:	Waste Stream Sampling.

0700	All depart hotel for site. Weather: cold, sunny, high 50°F.
0715	Arrive on-site + check-in. Proceed to Maintainence 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/Cl_2 train ends; collect sample Comp2A 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 Comp2B (and Comp2B-Dup) at 1505
1516	collect spike samples Cl: H-502 Pb: L-330 Hg: 2266
1545	Ds and Fs train ends; collect sample Comp2C 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	CFH
	Date	10/24/13

	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: 16978	20		20.2		
	50		50.2		
	100		100.7		
	200		200.3		
	500		499.7		
	1000		1000.7		

[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 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	10/24/13	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		530g	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	10/24/13	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		1236		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					

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	2A	10/24/13	1035g		~~2,529g~~ 2512g	
VS4-CS-12A-Grab 1	Containerized Solids	Archive	1	2A		0935		508g	32'; 1,863g
VS4-CS-12A-Grab 2	Containerized Solids	Archive	1	2A		0950		510g	42'; 1,968g
VS4-CS-12A-Grab 3	Containerized Solids	Archive	1	2A		1005		511g	50'; 1,732g
VS4-CS-12A-Grab 4	Containerized Solids	Archive	1	2A		1020		495g	60'; 1,580g
VS4-CS-12A-Grab 5	Containerized Solids	Archive	1	2A		1035		504g	67'; 1,747g
VS4-CS-12A-Grab 6	Containerized Solids	Archive	1	2A					
VS4-CS-12A-Grab 7	Containerized Solids	Archive	1	2A					
VS4-CS-12A-Grab 8	Containerized Solids	Archive	1	2A					
VS4-CS-12B-Comp2A	Containerized Solids	Phys/Comp	1	2B	10/24/13	1335		2,518g	
VS4-CS-12B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	2B		1505		3280g	
VS4-CS-12B-Comp2C	Containerized Solids	Phys/Comp	1	2B		~~1235~~	1535	3931	
VS4-CS-12B-Grab 1	Containerized Solids	Archive	1	2B		1235		520g	32'; 1,896g
VS4-CS-12B-Grab 2	Containerized Solids	Archive	1	2B		1250		518g	42'; 2,127g
VS4-CS-12B-Grab 3	Containerized Solids	Archive	1	2B		1305		527g	50'; 2,032g
VS4-CS-12B-Grab 4	Containerized Solids	Archive	1	2B		1320		521g	60'; 2,345g
VS4-CS-12B-Grab 5	Containerized Solids	Archive	1	2B		1335		517g	68'; 1,702g
VS4-CS-12B-Grab 6	Containerized Solids	Archive	1	2B		1350		504g	80'; 1,889g
VS4-CS-12B-Grab 7	Containerized Solids	Archive	1	2B		1405		544g	88'; 1,703g
VS4-CS-12B-Grab 8	Containerized Solids	Archive	1	2B		1420		513g	98'; 1,902g
VS4-CS-12B-Grab 9	Containerized Solids	Archive	1	2B		1435		504g	108'; 1,944g
VS4-CS-12B-Grab 10	Containerized Solids	Archive	1	2B		1450		519g	118'; 1,792g
VS4-CS-12B-Grab 11	Containerized Solids	Archive	1	2B		1505		538g	126'; 1,724g
VS4-CS-12B-Grab 12	Containerized Solids	Archive	1	2B		1520		526g	136'; 1,735g
VS4-CS-12B-Grab 13	Containerized Solids	Archive	1	2B		1535		499g	143'; 1,530g
VS4-CS-12B-Grab 14	Containerized Solids	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-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		2,500 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		1505			
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					

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	2A	10/24/13	1036		2,500mL	
VS4-HBW-12A-Grab 1	High Btu Liquid Waste	Archive	1	2A		0936		500mL	
VS4-HBW-12A-Grab 2	High Btu Liquid Waste	Archive	1	2A		0951			
VS4-HBW-12A-Grab 3	High Btu Liquid Waste	Archive	1	2A		1006			
VS4-HBW-12A-Grab 4	High Btu Liquid Waste	Archive	1	2A		1021			
VS4-HBW-12A-Grab 5	High Btu Liquid Waste	Archive	1	2A		1036			
VS4-HBW-12A-Grab 6	High Btu Liquid Waste	Archive	1	2A					
VS4-HBW-12A-Grab 7	High Btu Liquid Waste	Archive	1	2A					
VS4-HBW-12A-Grab 8	High Btu Liquid Waste	Archive	1	2A					
VS4-HBW-12B-Comp2A	High Btu Liquid Waste	Phys/Comp	1	2B	10/24/13	1335		2,500 mL	
VS4-HBW-12B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	2B		1506		3,300 mL	
VS4-HBW-12B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	2B		1536		2,600mL	
VS4-HBW-12B-Grab 1	High Btu Liquid Waste	Archive	1	2B		1236		500 mL	
VS4-HBW-12B-Grab 2	High Btu Liquid Waste	Archive	1	2B		1251			
VS4-HBW-12B-Grab 3	High Btu Liquid Waste	Archive	1	2B		1306			
VS4-HBW-12B-Grab 4	High Btu Liquid Waste	Archive	1	2B		1321			
VS4-HBW-12B-Grab 5	High Btu Liquid Waste	Archive	1	2B		1336			
VS4-HBW-12B-Grab 6	High Btu Liquid Waste	Archive	1	2B		1351			
VS4-HBW-12B-Grab 7	High Btu Liquid Waste	Archive	1	2B		1406			
VS4-HBW-12B-Grab 8	High Btu Liquid Waste	Archive	1	2B		1421			
VS4-HBW-12B-Grab 9	High Btu Liquid Waste	Archive	1	2B		1436			
VS4-HBW-12B-Grab 10	High Btu Liquid Waste	Archive	1	2B		1451			
VS4-HBW-12B-Grab 11	High Btu Liquid Waste	Archive	1	2B		1506			
VS4-HBW-12B-Grab 12	High Btu Liquid Waste	Archive	1	2B		1521			
VS4-HBW-12B-Grab 13	High Btu Liquid Waste	Archive	1	2B		1536			
VS4-HBW-12B-Grab 14	High Btu Liquid Waste	Archive	1	2B					

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		1037			
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	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	2A
Stream Name	Bulk Solids (BS)	Start Time	0936
Composite Sample ID	VS4-BS-12A-COMP_1	Stop Time	1036
Operator			

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-12B-COMP2A	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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

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	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-COMP2C	Stop Time	1536
Operator			

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	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	2A
Stream Name	Containerized Solids (CS)	Start Time	0935
Composite Sample ID	VS4-CS-12A-COMP1	Stop Time	1035
Operator			

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-12B-COMP2A	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	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-12B-COMP2B	Stop Time	1505
Operator			

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	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-12B-COMP2C	Stop Time	1535
Operator			

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	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	2A
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	0936
Composite Sample ID	VS3-LBW-12A-COMP1	Stop Time	1035
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	2B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1235
Composite Sample ID	VS3-LBW-12B-COMP2A	Stop Time	1235
Operator			

Sample Number	Time	Volume/Mass
1	1235	500 mL
2	1250	↓
3	1305	↓
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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	2B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1235
Composite Sample ID	VS3-LBW-12B-COMP2B	Stop Time	1505
Operator			

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-COMP2B-DUP

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	2B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1235
Composite Sample ID	VS3-LBW-12B-COMP2K	Stop Time	1535
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	2A
Stream Name	High BTU Liquid Waste (HBW)	Start Time	0936
Composite Sample ID	VS3-HBW-12A-COMP_1	Stop Time	
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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1236
Composite Sample ID	VS3-HBW-12B-COMP2A	Stop Time	1335
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1236
Composite Sample ID	VS3-HBW-12B-COMP2B	Stop Time	1506
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	High BTU Liquid Waste (HBW)	Start Time	1236
Composite Sample ID	VS3-HBW-12B-COMP 2C	Stop Time	1536
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	2A
Stream Name	Liquid Waste Feed (LWF)	Start Time	0937
Composite Sample ID	VS4-LWF-12A-COMP 1	Stop Time	1037
Operator			

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		
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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	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	2B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1237
Composite Sample ID	VS4-LWF-12B-COMP2A	Stop Time	1335
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	1237
Composite Sample ID	VS4-LWF-12B-COMP2B	Stop Time	1507
Operator			

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	Date	10/24/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	2B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1237
Composite Sample ID	VS4-LWF-12B-COMP2C	Stop Time	1537
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

URS

DAILY RECORD OF EVENTS

DATE: 10-25-13 | PAGE 1 OF

NAME: Katie Richard (KLR) - Teresa Davis (THD) - Cameron Holland (CH)

TO (FILE/PM): Mike Fuchs (MF)

CLIENT: Veolia | SITE: Sauget, IL | PROJECT #: 49042525

SUBJECT: Waste Sampling - Unit #4

0715 Depart hotel for site.

0730 All onsite 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/Cl2 train complete; Collect sample Comp2A at 1435

1436 Collect spike samples
Cl: H-1456 Pb: L-1313 Hg: 2164

1611 Metals train complete; Collect sample Comp2B at 1605

~~1641 Ds and Fs train complete~~ CH 10/25/13

1615 Collect spike samples
Cl: H-1397 Pb: L-1471 Hg: 2139

1641 Ds and Fs train complete; Collect sample Comp2C 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/KLR 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	THD
	Date	10/25/13

	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: 16978	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	10/23/13	1036		2,565g	
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	10/23/13	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		3,931g	
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					

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	10/27/13	1035		2,517g	
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		1005		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		1035		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	10/25/13	1435		2,511g	
VS4-CS-13B-Comp2B	Containerized Solids	Phys/Comp, Metals	1	3B		1605		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		1420		532g	60; 1,979g
VS4-CS-13B-Grab 5	Containerized Solids	Archive	1	3B		1435		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		1605		525g	127; 1,334g
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		1635		582g	143; 944g
VS4-CS-13B-Grab 14	Containerized Solids	Archive	1	3B					

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	10/23/13	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	10/23/13	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	10/25/13	1036		2,500mL	
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		0951			
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		2,500mL	
VS4-HBW-13B-Comp2B	High Btu Liquid Waste	Phys/Comp, Metals	1	3B		1606		3,300mL	
VS4-HBW-13B-Comp2C	High Btu Liquid Waste	Phys/Comp	1	3B		1636		2,600mL	
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					

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		0952			
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	1435		2,500 mL	
VS4-LWF-13B-Comp2B	Liquid Waste Feed	Phys/Comp, Metals	1	3B		1607		3,300 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					

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	10/09/13	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					

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	10/25/18	~~1050~~			
VS4-CS-14A-Grab 1	Containerized Solids	Archive	1	4A		~~1105~~ 1050		511g	78; 1,080g
VS4-CS-14A-Grab 2	Containerized Solids	Archive	1	4A		1105		535g	86; 1,267g
VS4-CS-14A-Grab 3	Containerized Solids	Archive	1	4A		1120		574g	96; 1,236g
VS4-CS-14A-Grab 4	Containerized Solids	Archive	1	4A		1135		506g	106; 1,139g
VS4-CS-14A-Grab 5	Containerized Solids	Archive	1	4A		1150		525g	114; 1,170g
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					

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	10/25/13	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	10/25/15	1151		2,500 mL	
VS4-HBW-14A-Grab 1	High Btu Liquid Waste	Archive	1	4A		1050		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		1120			
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					

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	10/25/19	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					

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-CL-11B-Grab 1	Chlorine Spiking Mtl	Archive	1	1B	10/23/13	1236			
VS4-CL-11B-Grab 2	Chlorine Spiking Mtl	Archive	1	1B		1340			
VS4-CL-11B-Grab 3	Chlorine Spiking Mtl	Archive	1	1B		1517			
VS4-CL-11B-Grab 4	Chlorine Spiking Mtl	Archive	1	1B		1651			
VS4-CL-12B-Grab 1	Chlorine Spiking Mtl	Archive	1	2B	10/24/13	1235			
VS4-CL-12B-Grab 2	Chlorine Spiking Mtl	Archive	1	2B		1336			
VS4-CL-12B-Grab 3	Chlorine Spiking Mtl	Archive	1	2B		1517			
VS4-CL-12B-Grab 4	Chlorine Spiking Mtl	Archive	1	2B		1547			
VS4-CL-13B-Grab 1	Chlorine Spiking Mtl	Archive	1	3B	10/25/13	1336			
VS4-CL-13B-Grab 2	Chlorine Spiking Mtl	Archive	1	3B		1436			
VS4-CL-13B-Grab 3	Chlorine Spiking Mtl	Archive	1	3B		1605			
VS4-CL-13B-Grab 4	Chlorine Spiking Mtl	Archive	1	3B		1643			
VS4-CL-14B-Grab 1	Chlorine Spiking Mtl	Archive	1	4B					
VS4-CL-14B-Grab 2	Chlorine Spiking Mtl	Archive	1	4B					
VS4-CL-14B-Grab 3	Chlorine Spiking Mtl	Archive	1	4B					
VS4-CL-14B-Grab 4	Chlorine Spiking Mtl	Archive	1	4B					

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-PB-11B-Grab 1	Lead Spiking Mtl	Archive	1	1B	10/23/13	1236			
VS4-PB-11B-Grab 2	Lead Spiking Mtl	Archive	1	1B		1340			
VS4-PB-11B-Grab 3	Lead Spiking Mtl	Archive	1	1B		1515			
VS4-PB-11B-Grab 4	Lead Spiking Mtl	Archive	1	1B		1551			
VS4-PB-12B-Grab 1	Lead Spiking Mtl	Archive	1	2B	10/24/13	1235			
VS4-PB-12B-Grab 2	Lead Spiking Mtl	Archive	1	2B		1336			
VS4-PB-12B-Grab 3	Lead Spiking Mtl	Archive	1	2B		1517			
VS4-PB-12B-Grab 4	Lead Spiking Mtl	Archive	1	2B		1547			
VS4-PB-13B-Grab 1	Lead Spiking Mtl	Archive	1	3B	10/30/13	1336			
VS4-PB-13B-Grab 2	Lead Spiking Mtl	Archive	1	3B		1436			
VS4-PB-13B-Grab 3	Lead Spiking Mtl	Archive	1	3B		1615			
VS4-PB-13B-Grab 4	Lead Spiking Mtl	Archive	1	3B		1643			
VS4-PB-14B-Grab 1	Lead Spiking Mtl	Archive	1	4B					
VS4-PB-14B-Grab 2	Lead Spiking Mtl	Archive	1	4B					
VS4-PB-14B-Grab 3	Lead Spiking Mtl	Archive	1	4B					
VS4-PB-14B-Grab 4	Lead Spiking Mtl	Archive	1	4B					

Veolia-Sauget, IL - Unit 4 CPT

Project Number 40942510.20

Sample ID Code	Stream	Fraction	Cond	Run	Date	Time	TW	GW	Comments
VS4-HG-11B-Grab1	Mercury Spiking Soln	Metals	1	1B	10/23/13	1236			EPA Split VS4-HG-11B-Grab1
VS4-HG-11B-Grab2	Mercury Spiking Soln	Metals	1	1B		1340			
VS4-HG-11B-Grab3	Mercury Spiking Soln	Metals	1	1B		1515			
VS4-HG-11B-Grab4	Mercury Spiking Soln	Metals	1	1B		1551			
VS4-HG-12B-Grab1	Mercury Spiking Soln	Metals	1	2B	10/24/13	1235			
VS4-HG-12B-Grab2	Mercury Spiking Soln	Metals	1	2B		1336			
VS4-HG-12B-Grab3	Mercury Spiking Soln	Metals	1	2B		1517			
VS4-HG-12B-Grab4	Mercury Spiking Soln	Metals	1	2B		1547			
VS4-HG-13B-Grab1	Mercury Spiking Soln	Metals	1	3B	10/25/13	1336			
VS4-HG-13B-Grab2	Mercury Spiking Soln	Metals	1	3B		1436			
VS4-HG-13B-Grab3	Mercury Spiking Soln	Metals	1	3B		1615			
VS4-HG-13B-Grab4	Mercury Spiking Soln	Metals	1	3B		1643			
VS4-HG-14B-Grab1	Mercury Spiking Soln	Metals	1	4B					
VS4-HG-14B-Grab2	Mercury Spiking Soln	Metals	1	4B					
VS4-HG-14B-Grab3	Mercury Spiking Soln	Metals	1	4B					
VS4-HG-14B-Grab4	Mercury Spiking Soln	Metals	1	4B					

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	10/23/13	1236			
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	10/24/18	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		1335			
VS4-CR-13B-Grab1	Chromium Spiking Soln	Metals	1	3B	10/25/18	~~1336~~	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		1693			
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-									

Bulk 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	Bulk Solids (BS)	Start Time	0936
Composite Sample ID	VS4-BS-13A-COMP1	Stop Time	1036
Operator			

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	2,565g

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	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	4A
Stream Name	Bulk Solids (BS)	Start Time	1051
Composite Sample ID	VS4-BS-1 4A -COMP 1	Stop Time	1151
Operator			

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	2,531 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	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	3B
Stream Name	Bulk Solids (BS)	Start Time	1336
Composite Sample ID	VS4-BS-13B-COMP2A	Stop Time	1435
Operator			

Sample Number	Time	Volume/Mass
1	1336	501g
2	1351	510 g
3	1406	505 g
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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Bulk 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	3B
Stream Name	Bulk Solids (BS)	Start Time	1336
Composite Sample ID	VS4-BS-13B-COMP2B	Stop Time	1606
Operator			

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	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	3B
Stream Name	Bulk Solids (BS)	Start Time	1336
Composite Sample ID	VS4-BS-13B-COMP2C	Stop Time	1636
Operator			

Sample Number	Time	Volume/Mass
1	1336	300g
2	1351	304g
3	1406	300g
4	1421	300g
5	1436	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	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	4A
Stream Name	Containerized Solids (CS)	Start Time	1050
Composite Sample ID	VS4-CS-14A-COMP 1	Stop Time	1150
Operator			

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	3B
Stream Name	Containerized Solids (CS)	Start Time	1335
Composite Sample ID	VS4-CS-13B-COMP2A	Stop Time	1435
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1335	501g
2	42	1350	503g
3	50	1406	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	2,511g

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	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 4	Run No	3B
Stream Name	Containerized Solids (CS)	Start Time	1335
Composite Sample ID	VS4-CS-13B-COMP2B	Stop Time	1605
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1335	304g
2	42	1350	304g
3	50	1405	300g
4	~~58~~60	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	3B
Stream Name	Containerized Solids (CS)	Start Time	1335
Composite Sample ID	VS4-CS-13B-COMP2C	Stop Time	1635
Operator			

Sample Number	Container ID	Time	Volume/ Mass
1	32	1335	301g
2	42	1350	302g
3	50	1405	302g
4	~~58~~60	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	3,966g

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	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	3A
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	0935
Composite Sample ID	VS3-LBW-13A-COMP 1	Stop Time	1035
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	4A
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1050
Composite Sample ID	VS3-LBW-14A-COMP_1_	Stop Time	1150
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	3B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1335
Composite Sample ID	VS3-LBW-13B-COMP2A	Stop Time	1436
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	3B
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1335
Composite Sample ID	VS3-LBW-13B-COMP2B	Stop Time	1605
Operator			

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		
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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed Sample Composite Data Sheet

Project Name	Veolia – Sauget, IL	Date	10/25/13
Project Number	40942525.20-02	Condition No.	1
Facility	Unit 2	Run No	38
Stream Name	Low BTU Liquid Waste (LBW)	Start Time	1335
Composite Sample ID	VS3-LBW-138-COMP2C	Stop Time	1635
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	4A
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1051
Composite Sample ID	VS3-HBW-1 4A -COMP 1	Stop Time	1151
Operator			

Sample Number	Time	Volume/Mass
1	1051	500 mL
2	1106	
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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	3B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1336
Composite Sample ID	VS3-HBW-13B-COMP2A	Stop Time	1435
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	3B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1336
Composite Sample ID	VS3-HBW-13B-COMP3B	Stop Time	1606
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	3B
Stream Name	High BTU Liquid Waste (HBW)	Start Time	1336
Composite Sample ID	VS3-HBW-13B-COMP~~3C~~	Stop Time	1636
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	Liquid Waste Feed (LWF)	Start Time	0937
Composite Sample ID	VS4-LWF-13A-COMP1	Stop Time	1037
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	4A
Stream Name	Liquid Waste Feed (LWF)	Start Time	1052
Composite Sample ID	VS4-LWF-1 4A -COMP 1	Stop Time	1152
Operator			

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.

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	3B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1337
Composite Sample ID	VS4-LWF-13B-COMP2A	Stop Time	1435
Operator			

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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	3B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1337
Composite Sample ID	VS4-LWF-13B-COMP2B	Stop Time	1607
Operator			

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		
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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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Liquid Waste Feed 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	3B
Stream Name	Liquid Waste Feed (LWF)	Start Time	1337
Composite Sample ID	VS4-LWF-138-COMP2K	Stop Time	1637
Operator			

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		
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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

SDS-05 Sub-Sample Composite
Revision Date: June 2012
Reviewed: June 2013

Project Name Veolia – Sauget, IL / Unit 4 CPT

Project Number 40942525.20-02

Date 10/22/13

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Solution Preparation Log

Solution	Date Prepared	Reagent	Ref No.	Mass or Volume	Expiration Date [6]	Initials
HNO_3/H_2O_2	10/22/13	HPLC H_2O	1	517	11/22/13	KMM
		HNO_3	2*	50		
		H_2O_2	2	333		
10% H_2SO_4	10/22/13	HPLC H_2O	1	900	11/22/13	KMM
		H_2SO_4	6**	100		
4% $KMnO_4$	10/22/13	10% H_2SO_4	10/16**	500	10/23/13	KMM
		$KMnO_4$	12*	20 g		
4% $KMnO_4$	10/23/13	10% H_2SO_4	10/22	500	10/24/13	KMM
		$KMnO_4$	12*	20 g		
4% $KMnO_4$	10/24/13	10% H_2SO_4	10/22	500	10/25/13	KMM
		$KMnO_4$	12*	20 g		
10% H_2SO_4	10/24/13	HPLC H_2O	4	900	11/24/13	KMM
		H_2SO_4	6**	100		

Recipes to Make 1 Liter

Sulfuric Acid/Potassium Permanganate
800 ml Water
100 ml Concentrated H_2SO_4
Dilute to 1 L volume
40 g $KMnO_4$

Nitric Acid/Hydrogen Peroxide
500 ml Water
50 ml concentrated HNO_3
333 ml 30% H_2O_2
Dilute to 1 L volume

0.1 N Nitric Acid
900 ml water
6.3 ml Concentrated HNO_3
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

FDS-02C Solution Preparation Log
Revision Date: January 2013

Project Name Veolia – Sauget, IL / Unit 4 CPT

Project Number 40942525.20-02

Date 10/22/13

Page 1 of 2

Reagent Use Log

Ref No.	Reagent	Manufacturer [1]	Lot Number	Date Opened	Expiration Date [2]	Initials
1	HPLC H_2O	P	C130430-WHPLC	10/22/13	10/22/14	KMM
2	H_2O_2	JTB	41318	10/22/13	10/22/14	KMM
3	Acetone	Mac	54618	10/23/13	10/23/14	KMM
4	HPLC H_2O	P	C130430-WHPLC	10/24/13	10/24/14	KMM
5	Acetone	Mac	54618	10/25/13	10/25/14	KMM
6	$MeCl_2$	Mac	31647	10/25/13	10/25/14	KMM

[1] This code may be used: JTB = J.T. Baker, Mal = Mallinckrodt; A = Advantor; P = Pharmco, V = VWR, F = Fisher, Mac = Macron

[2] Expiration Date is as provided by manufacturer or 12 months after opening.

FDS-02B Reagent Use Log
Revision Date: January 2013