Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1540
Date Completed: 4/21/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected for PP Metals sample only. Trip Blank not required.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes - MS/MSD designated for PP Metals only on COC. Performed for other parameters as well. Batch MS/MSD results also reported.
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Elevated RLs for ketones and metals.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Several samples analyzed at dilution based on the concentration of metals/mercury detected. Sample DL-BHG12-01 analyzed at dilution for zinc due to matrix interference. Sample DL-BHG3-01 analyzed for selenium at a dilution due to matrix interferences.

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Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes - See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes - See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	Yes
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	No - See Surrogate Outlier Report Recovery of volatile surrogate 4-BFB low for MS/MSD but acceptable for parent sample DL-BH8-01. Recovery of 2 BN surrogates high for sample DL-BH8-01. Recovery of one BN and one AP high for MS of this sample. MSD surrogate recoveries within limits. Parent sample not reanalyzed. Chromatograms similar. Matrix suspected. DCBP recovery high for DL-BH4-02. TCMX reported as acceptable. Manual integrations of TCMX do not clearly show peak area. Results for both samples flagged UJ/J.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No- See MS/MSD Outlier Report. Endrin aldehyde, methoxychlor, endrin ketone, endosulfan sulfate and endosulfan II not recovered from MS/MSD. LCS recoveries acceptable. Results qualified "UJ". Antimony not recovered from MS/MSD or post spike. Non-detect values "R" flagged. 4x rule applied to Al, Ba, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Na, Zn and Hg.
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No - See LCS Outlier Report.

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Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Several samples analyzed at dilution based on the concentration of metals/mercury detected. Sample DL-BHG12-01 analyzed at dilution for zinc due to matrix interference. Sample DL-BHG3-01 analyzed for selenium at a dilution due to matrix interferences.
Do field duplicate results show good precision for all compounds except TICs?	Yes – See Attachment 1 Table 4 Field Duplicate Results

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	No VOCs – Response of final IS, 1,4-dichlorobenzene-d4 low for MS/MSD. Acceptable for parent sample DL-BH8-01. SVOCS - Perylene-d12 response low for MS/MSD. Acceptable for parent sample.
GC/MS	Does initial calibration meet criteria for all positive target compounds?	Yes – Hexachlorocyclopentadiene and 2,4-dinitrophenol %D >30%. Quadratic coefficient >0.995. No data qualified.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No – Dichlorodifluoromethane >25%D
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – Al, As, Ba, Cd, Ca, Cu, Pb, Mn, K, and Zn results qualified UJ/J.
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes

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Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No
GC	Were all positive target compounds confirmed on a second column?	Yes
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	No

Summary of Potential Impacts on Data Usability
Major Concerns
Antimony not recovered from MS/MSD/Post Spike. Non-detect results flagged "R".
Minor Concerns
Methylcyclohexane specta for samples DL-BH8-01 and DL-BH4-2 suspect. TCMX manual integration provided does not clearly display peak and area integrated. Data qualified UJ/J. Matrix interferences evident. Several metals results qualified UJ/J based on serial dilution.

Key:

ADR = Automated Data Review
AP = Acid Phenol
BN = Base Neutral
CCV = Continuing calibration verification
COC = Chain-of-custody
CVAA = Cold Vapor Automatic Absorption
GC = Gas Chromatography
GC/MS = Gas Chromatography/Mass Spectrometry
ICP = Inductively Coupled Plasma Argon Spectrometry
ICS = Interference check standard
ICV = Initial calibration verification
NA = Not Applicable
LCS = Laboratory Control Sample
MS/MSD = Matrix Spike/Matrix Spike Duplicate
QAPP = Quality Assurance Project Plan
QC = Quality Control
SD = Serial Dilution
SVOCs = Semivolatile Organic Compounds
TIC = Tentatively Identified Compound
VOCs = Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1540
Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1540	02/17/2006 10:10

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHF8-01DUP	SO	X1540-18D	02/16/2006 11:40	DUP
DL-BHE4-01	SO	X1540-05	02/14/2006 12:10	
DL-BHE5-01	SO	X1540-07	02/14/2006 14:00	
DL-BHE6-01	SO	X1540-08	02/14/2006 15:35	
DL-BHE7-01	SO	X1540-17	02/15/2006 16:00	
DL-BHE8-01	SO	X1540-06	02/14/2006 16:05	
DL-BHF10-01	SO	X1540-22	02/16/2006 14:05	
DL-BHF11-01	SO	X1540-23	02/16/2006 15:05	
DL-BHF3-01	SO	X1540-12	02/15/2006 08:45	
DL-BHF3-01D	SO	X1540-13	02/15/2006 08:45	
DL-BHF4-01	SO	X1540-09	02/14/2006 11:40	
DL-BHD5-01	SO	X1540-03	02/14/2006 14:45	
DL-BHF8-01	SO	X1540-18	02/16/2006 11:40	
DL-MWD6-01MSD	SO	X1540-16SD	02/15/2006 15:25	MSD
DL-BHF8-01MS	SO	X1540-19MS	02/16/2006 11:40	MS
DL-BHF8-01MSD	SO	X1540-20MSD	02/16/2006 11:40	MSD
DL-BHF9-01	SO	X1540-21	02/16/2006 12:35	
DL-BHG12-01	SO	X1540-24	02/16/2006 15:55	
DL-BHG3-01	SO	X1540-02	02/14/2006 10:27	
DL-BHG4-01	SO	X1540-04	02/14/2006 09:50	
DL-BHH4-01	SO	X1540-01	02/14/2006 08:45	
DL-MWD6-01	SO	X1540-14	02/15/2006 15:25	
DL-MWD6-01DUP	SO	X1540-14D	02/15/2006 15:25	DUP
DL-MWD6-01MS	SO	X1540-15S	02/15/2006 15:25	MS
DL-BHF4-02	SO	X1540-10	02/14/2006 11:50	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	18

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1540
Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	18
SO	8081B	Organochlorine Pesticides by GC using ECD	2
SO	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	2
SO	8260B	Volatile Organic Compounds by GC/MS	2
SO	8270C	Semi-Volatile Organic Compounds by GC/MS	2

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD5-01	6010B	RES	Arsenic	4.7	mg/Kg		4.7	J	31
DL-BHD5-01	6010B	RES	Copper	23.5	mg/Kg		23.5	J	31
DL-BHD5-01	6010B	RES	Lead	102	mg/Kg		102	J	31
DL-BHD5-01	6010B	RES	Selenium	0.76	mg/Kg		0.76	U	32,6
DL-BHD5-01	6010B	RES	Silver	0.78	mg/Kg		0.78	UJ	32,9,8H,6
DL-BHD5-01	6010B	RES	Zinc	115	mg/Kg		115	J	31
DL-BHE4-01	6010B	RES	Antimony	5.3	mg/Kg		5.3	J-	8L
DL-BHE4-01	6010B	RES	Arsenic	6.6	mg/Kg		6.6	J	31
DL-BHE4-01	6010B	RES	Cadmium	0.72	mg/Kg		0.72	J	31
DL-BHE4-01	6010B	RES	Copper	64.0	mg/Kg		64.0	J	31
DL-BHE4-01	6010B	DL	Lead	1370	mg/Kg		1370	J	31
DL-BHE4-01	6010B	RES	Selenium	1.1	mg/Kg		1.1	U	32,6
DL-BHE4-01	6010B	RES	Silver	1.2	mg/Kg		1.2	UJ	32,9,8H,6
DL-BHE4-01	6010B	RES	Zinc	295	mg/Kg		295	J	31
DL-BHE5-01	6010B	RES	Antimony	4.1	mg/Kg		4.1	J-	8L
DL-BHE5-01	6010B	RES	Arsenic	7.1	mg/Kg		7.1	J	31
DL-BHE5-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHE5-01	6010B	RES	Copper	44.6	mg/Kg		44.6	J	31
DL-BHE5-01	6010B	RES	Lead	308	mg/Kg		308	J	31
DL-BHE5-01	6010B	RES	Selenium	1.5	mg/Kg		1.5	U	32,6
DL-BHE5-01	6010B	RES	Silver	1.6	mg/Kg		1.6	J	9,8H
DL-BHE5-01	6010B	RES	Zinc	103	mg/Kg		103	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1540
Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHE6-01	6010B	RES	Antimony	0.79	mg/Kg	U	0.79	R	8L
DL-BHE6-01	6010B	RES	Arsenic	2.0	mg/Kg		2.0	J	31
DL-BHE6-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-BHE6-01	6010B	RES	Copper	15.0	mg/Kg		15.0	J	31
DL-BHE6-01	6010B	RES	Lead	18.6	mg/Kg		18.6	J	31
DL-BHE6-01	6010B	RES	Selenium	0.45	mg/Kg		0.45	U	32,6
DL-BHE6-01	6010B	RES	Silver	0.43	mg/Kg		0.43	UJ	32,9,8H,6
DL-BHE6-01	6010B	RES	Zinc	70.4	mg/Kg		70.4	J	31
DL-BHE7-01	6010B	RES	Antimony	11.8	mg/Kg		11.8	J-	8L
DL-BHE7-01	6010B	RES	Arsenic	6.9	mg/Kg		6.9	J	31
DL-BHE7-01	6010B	RES	Cadmium	6.7	mg/Kg		6.7	J	31
DL-BHE7-01	6010B	RES	Copper	0.31	mg/Kg	U	0.31	UJ	31L
DL-BHE7-01	6010B	RES	Lead	1430	mg/Kg		1430	J	31
DL-BHE7-01	6010B	RES	Selenium	1.3	mg/Kg		1.3	U	32,6
DL-BHE7-01	6010B	RES	Silver	3.4	mg/Kg		3.4	J	9,8H
DL-BHE7-01	6010B	DL	Zinc	2810	mg/Kg		2810	J	31
DL-BHE8-01	6010B	RES	Arsenic	3.0	mg/Kg		3.0	J	31
DL-BHE8-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHE8-01	6010B	RES	Copper	31.1	mg/Kg		31.1	J	31
DL-BHE8-01	6010B	RES	Lead	63.4	mg/Kg		63.4	J	31
DL-BHE8-01	6010B	RES	Selenium	0.88	mg/Kg		0.88	U	32,6
DL-BHE8-01	6010B	RES	Silver	0.96	mg/Kg		0.96	UJ	32,9,8H,6
DL-BHE8-01	6010B	RES	Zinc	194	mg/Kg		194	J	31
DL-BHF10-01	6010B	RES	Antimony	33.0	mg/Kg		33.0	J-	8L
DL-BHF10-01	6010B	RES	Arsenic	13.6	mg/Kg		13.6	J	31
DL-BHF10-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-BHF10-01	6010B	RES	Copper	0.35	mg/Kg	U	0.35	UJ	31L
DL-BHF10-01	6010B	DL	Lead	46.2	mg/Kg		46.2	J	31
DL-BHF10-01	6010B	RES	Silver	3.8	mg/Kg		3.8	J	9,8H

DUSR - Attachment 1	Project: Depew Landfill RI
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Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHF10-01	6010B	RES	Zinc	281	mg/Kg		281	J	31
DL-BHF11-01	6010B	RES	Antimony	6.2	mg/Kg		6.2	J-	8L
DL-BHF11-01	6010B	RES	Arsenic	8.0	mg/Kg		8.0	J	31
DL-BHF11-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHF11-01	6010B	RES	Copper	59.9	mg/Kg		59.9	J	31
DL-BHF11-01	6010B	RES	Lead	800	mg/Kg		800	J	31
DL-BHF11-01	6010B	RES	Selenium	0.74	mg/Kg		0.74	U	32,6
DL-BHF11-01	6010B	RES	Silver	1.1	mg/Kg		1.1	UJ	32,9,8H,6
DL-BHF11-01	6010B	RES	Zinc	65.6	mg/Kg		65.6	J	31
DL-BHF3-01	6010B	RES	Antimony	1.5	mg/Kg		1.5	J-	8L,16
DL-BHF3-01	6010B	RES	Arsenic	3.2	mg/Kg		3.2	J	31
DL-BHF3-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHF3-01	6010B	RES	Copper	18.3	mg/Kg		18.3	J	31
DL-BHF3-01	6010B	RES	Lead	19.7	mg/Kg		19.7	J	31
DL-BHF3-01	6010B	RES	Selenium	0.68	mg/Kg		0.68	U	32,6
DL-BHF3-01	6010B	RES	Silver	0.56	mg/Kg		0.56	UJ	32,9,8H,6
DL-BHF3-01	6010B	RES	Zinc	99.1	mg/Kg		99.1	J	31
DL-BHF3-01D	6010B	RES	Arsenic	3.7	mg/Kg		3.7	J	31
DL-BHF3-01D	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHF3-01D	6010B	RES	Copper	30.8	mg/Kg		30.8	J	31
DL-BHF3-01D	6010B	RES	Lead	20.9	mg/Kg		20.9	J	31
DL-BHF3-01D	6010B	RES	Selenium	0.93	mg/Kg		0.93	U	32,6
DL-BHF3-01D	6010B	RES	Silver	0.68	mg/Kg		0.68	UJ	32,9,8H,6
DL-BHF3-01D	6010B	RES	Zinc	66.4	mg/Kg		66.4	J	31
DL-BHF4-01	6010B	RES	Aluminum	2040	mg/Kg		2040	J	31
DL-BHF4-01	6010B	RES	Antimony	19.5	mg/Kg		19.5	J-	8L
DL-BHF4-01	6010B	RES	Arsenic	13.5	mg/Kg		13.5	J	31
DL-BHF4-01	6010B	RES	Barium	332	mg/Kg		332	J	31
DL-BHF4-01	6010B	RES	Beryllium	0.08	mg/Kg		0.08	U	32,6

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHF4-01	6010B	RES	Cadmium	12.2	mg/Kg		12.2	J	31
DL-BHF4-01	6010B	DL	Calcium	50700	mg/Kg		50700	J	31
DL-BHF4-01	6010B	RES	Cobalt	11.3	mg/Kg		11.3	J-	8L
DL-BHF4-01	6010B	RES	Copper	0.36	mg/Kg	U	0.36	UJ	31L
DL-BHF4-01	6010B	DL	Lead	8160	mg/Kg		8160	J	31
DL-BHF4-01	6010B	RES	Manganese	0.22	mg/Kg	U	0.22	UJ	31L
DL-BHF4-01	6010B	RES	Potassium	181	mg/Kg		181	J	31
DL-BHF4-01	6010B	RES	Silver	0.14	mg/Kg	U	0.14	UJ	9
DL-BHF4-01	6010B	RES	Sodium	344	mg/Kg		344	U	32,6
DL-BHF4-01	6010B	RES	Zinc	654	mg/Kg		654	J	31
DL-BHF4-02	8260B	RES	2-Butanone	42	ug/Kg		42	J+	10H
DL-BHF4-02	8081B	RES	4,4'-DDD	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	4,4'-DDE	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	4,4'-DDT	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Aldrin	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	alpha-BHC	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	alpha-Chlordane	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8270C	RES	Benzaldehyde	510	ug/Kg	U	510	UJ	10L,12
DL-BHF4-02	8081B	RES	beta-BHC	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	delta-BHC	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8260B	RES	Dichlorodifluoromethane	5.5	ug/Kg	U	5.5	UJ	23L
DL-BHF4-02	8081B	RES	Dieldrin	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Endosulfan I	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Endosulfan II	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Endosulfan sulfate	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Endrin	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Endrin aldehyde	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Endrin ketone	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	gamma-BHC (Lindane)	4.6	ug/Kg	U	4.6	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1540
Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHF4-02	8081B	RES	gamma-Chlordane	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Heptachlor	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Heptachlor epoxide	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Methoxychlor	4.6	ug/Kg	U	4.6	UJ	7L
DL-BHF4-02	8081B	RES	Toxaphene	26	ug/Kg	U	26	UJ	7L
DL-BHF8-01	8081B	RES	4,4'-DDD	3.6	ug/Kg	U	3.6	UJ	7L,9
DL-BHF8-01	8081B	RES	4,4'-DDE	3.6	ug/Kg	U	3.6	UJ	7L,9
DL-BHF8-01	8081B	RES	4,4'-DDT	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8260B	RES	Acetone	18	ug/Kg	U	18	UJ	9
DL-BHF8-01	8081B	RES	Aldrin	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8081B	RES	alpha-BHC	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8081B	RES	alpha-Chlordane	3.6	ug/Kg	U	3.6	UJ	7L,9
DL-BHF8-01	6010B	DL	Aluminum	12900	mg/Kg		12900	J	31
DL-BHF8-01	6010B	RES	Antimony	0.733	mg/Kg	U	0.733	R	8L
DL-BHF8-01	6010B	RES	Arsenic	5.960	mg/Kg		5.960	J	31
DL-BHF8-01	6010B	RES	Barium	373	mg/Kg		373	J	31
DL-BHF8-01	8270C	RES	Benzaldehyde	400	ug/Kg	U	400	UJ	10L
DL-BHF8-01	8270C	RES	Benzo(g,h,i)perylene	400	ug/Kg	U	400	UJ	8L
DL-BHF8-01	8081B	RES	beta-BHC	3.6	ug/Kg	U	3.6	UJ	7L,9
DL-BHF8-01	6010B	RES	Cadmium	2.670	mg/Kg		2.670	J	31
DL-BHF8-01	6010B	DL	Calcium	23200	mg/Kg		23200	J	31
DL-BHF8-01	6010B	RES	Cobalt	6.700	mg/Kg		6.700	J-	8L
DL-BHF8-01	6010B	DL	Copper	299	mg/Kg		299	J	31
DL-BHF8-01	8081B	RES	delta-BHC	3.6	ug/Kg	U	3.6	UJ	7L,8L,9
DL-BHF8-01	8270C	RES	Dibenz(a,h)anthracene	400	ug/Kg	U	400	UJ	8L
DL-BHF8-01	8260B	RES	Dichlorodifluoromethane	3.6	ug/Kg	U	3.6	UJ	23L
DL-BHF8-01	8081B	RES	Dieldrin	3.6	ug/Kg	U	3.6	UJ	7L,9
DL-BHF8-01	8081B	RES	Endosulfan I	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8081B	RES	Endosulfan II	3.6	ug/Kg	U	3.6	UJ	7L,8L,9

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1540
Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHF8-01	8081B	RES	Endosulfan sulfate	3.6	ug/Kg	U	3.6	UJ	7L,8L,9
DL-BHF8-01	8081B	RES	Endrin	3.6	ug/Kg	U	3.6	UJ	7L,9
DL-BHF8-01	8081B	RES	Endrin aldehyde	3.6	ug/Kg	U	3.6	UJ	7L,8L
DL-BHF8-01	8081B	RES	Endrin ketone	3.6	ug/Kg	U	3.6	UJ	7L,8L,9
DL-BHF8-01	8081B	RES	gamma-BHC (Lindane)	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8081B	RES	gamma-Chlordane	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8081B	RES	Heptachlor	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8081B	RES	Heptachlor epoxide	3.6	ug/Kg	U	3.6	UJ	7L
DL-BHF8-01	8270C	RES	Indeno(1,2,3-cd)pyrene	400	ug/Kg	U	400	UJ	9,8L
DL-BHF8-01	6010B	DL	Lead	1080	mg/Kg		1080	J	31
DL-BHF8-01	6010B	DL	Manganese	482	mg/Kg		482	J	31
DL-BHF8-01	8081B	RES	Methoxychlor	3.6	ug/Kg	U	3.6	UJ	7L,8L,9
DL-BHF8-01	8260B	RES	Methyl Acetate	3.6	ug/Kg	U	3.6	UJ	9
DL-BHF8-01	6010B	RES	Potassium	969	mg/Kg		969	J	31
DL-BHF8-01	6010B	RES	Silver	0.122	mg/Kg	U	0.122	UJ	9
DL-BHF8-01	8260B	RES	t-1,3-Dichloropropene	3.6	ug/Kg	U	3.6	UJ	8L
DL-BHF8-01	8081B	RES	Toxaphene	20	ug/Kg	U	20	UJ	7L
DL-BHF8-01	6010B	DL	Zinc	33500	mg/Kg		33500	J	31
DL-BHF9-01	6010B	RES	Antimony	4.7	mg/Kg		4.7	J-	8L
DL-BHF9-01	6010B	RES	Arsenic	3.7	mg/Kg		3.7	J	31
DL-BHF9-01	6010B	RES	Beryllium	0.08	mg/Kg		0.08	U	32,6
DL-BHF9-01	6010B	RES	Cadmium	0.05	mg/Kg	U	0.05	UJ	31L
DL-BHF9-01	6010B	RES	Copper	48.2	mg/Kg		48.2	J	31
DL-BHF9-01	6010B	RES	Lead	1110	mg/Kg		1110	J	31
DL-BHF9-01	6010B	RES	Silver	0.76	mg/Kg		0.76	UJ	32,9,8H,6
DL-BHF9-01	6010B	RES	Zinc	194	mg/Kg		194	J	31
DL-BHG12-01	6010B	RES	Antimony	10.2	mg/Kg		10.2	J-	8L
DL-BHG12-01	6010B	RES	Arsenic	4.5	mg/Kg		4.5	J	31
DL-BHG12-01	6010B	RES	Cadmium	0.76	mg/Kg		0.76	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1540
Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHG12-01	6010B	RES	Copper	34.8	mg/Kg		34.8	J	31
DL-BHG12-01	6010B	RES	Lead	187	mg/Kg		187	J	31
DL-BHG12-01	6010B	RES	Silver	0.78	mg/Kg		0.78	UJ	32,9,8H,6
DL-BHG12-01	6010B	DL	Zinc	454	mg/Kg		454	J	31
DL-BHG3-01	6010B	RES	Antimony	16.8	mg/Kg		16.8	J-	8L
DL-BHG3-01	6010B	RES	Arsenic	27.5	mg/Kg		27.5	J	31
DL-BHG3-01	6010B	RES	Beryllium	0.07	mg/Kg	J	0.07	UJ	32,12,6
DL-BHG3-01	6010B	RES	Cadmium	17.3	mg/Kg		17.3	J	31
DL-BHG3-01	6010B	RES	Copper	113	mg/Kg		113	J	31
DL-BHG3-01	6010B	RES	Lead	681	mg/Kg		681	J	31
DL-BHG3-01	6010B	RES	Silver	0.63	mg/Kg		0.63	UJ	32,9,8H,6
DL-BHG3-01	6010B	RES	Zinc	1730	mg/Kg		1730	J	31
DL-BHG4-01	6010B	RES	Antimony	143	mg/Kg		143	J-	8L
DL-BHG4-01	6010B	RES	Arsenic	13.3	mg/Kg		13.3	J	31
DL-BHG4-01	6010B	RES	Cadmium	0.11	mg/Kg	U	0.11	UJ	31L
DL-BHG4-01	6010B	RES	Copper	179	mg/Kg		179	J	31
DL-BHG4-01	6010B	DL	Lead	2150	mg/Kg		2150	J	31
DL-BHG4-01	6010B	RES	Silver	4.3	mg/Kg		4.3	J	9,8H
DL-BHG4-01	6010B	RES	Zinc	320	mg/Kg		320	J	31
DL-BHH4-01	6010B	RES	Arsenic	2.4	mg/Kg		2.4	J	31
DL-BHH4-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHH4-01	6010B	RES	Copper	13.6	mg/Kg		13.6	J	31
DL-BHH4-01	6010B	RES	Lead	16.7	mg/Kg		16.7	J	31
DL-BHH4-01	6010B	RES	Selenium	0.63	mg/Kg		0.63	U	32,6
DL-BHH4-01	6010B	RES	Silver	0.46	mg/Kg		0.46	UJ	32,9,8H,6
DL-BHH4-01	6010B	RES	Zinc	35.8	mg/Kg		35.8	J	31
DL-MWD6-01	6010B	RES	Antimony	0.831	mg/Kg	U	0.831	R	8L
DL-MWD6-01	6010B	RES	Arsenic	4.800	mg/Kg		4.800	J	31
DL-MWD6-01	6010B	RES	Cadmium	0.069	mg/Kg	U	0.069	UJ	31L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1540
Date Completed: April 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD6-01	6010B	RES	Copper	17.6	mg/Kg		17.6	J	31
DL-MWD6-01	6010B	RES	Lead	15.8	mg/Kg		15.8	J	31
DL-MWD6-01	6010B	RES	Selenium	1.670	mg/Kg		1.670	U	32,6
DL-MWD6-01	6010B	RES	Silver	0.629	mg/Kg		0.629	UJ	32,9,8H,6
DL-MWD6-01	6010B	RES	Zinc	43.3	mg/Kg		43.3	J	31

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
7L	Surrogate recovery outside control limits. Result has a low bias.
8H	Matrix spike recovery outside control limits. Result has a high bias.
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
10H	LCS recovery outside control limits. Result has a high bias.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
16	Field duplicate RPD exceeded control limits.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
31	Result qualified based on professional judgement.
31L	Result qualified based on professional judgement. Result has a low bias.
32	Non-detect, concentration is same as method blank

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7471A
Analysis Method : 7471A
Analysis Date : 02/16/2006
Preparation Batch : PB10470
Preparation Type : 7471A
Preparation Date : 02/16/2006
Lab Reporting Batch : X1540
Lab ID: CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10470BS	SO	Mercury	87.5		50.00	89.00	118.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHD5-01	X1540-03
DL-BHE4-01	X1540-05
DL-BHE5-01	X1540-07
DL-BHE6-01	X1540-08
DL-BHE8-01	X1540-06
DL-BHF4-01	X1540-09
DL-BHG3-01	X1540-02
DL-BHG4-01	X1540-04
DL-BHH4-01	X1540-01

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8081B **Analysis Method :** 8081B **Analysis Date :** 02/20/2006

Preparation Batch : PB10498 **Preparation Type :** 5030B **Preparation Date :** 02/17/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10498BS	SO	4,4'-DDE	127		10.00	74.00	124.00	20.00
		gamma-BHC (Lindane)	127		10.00	53.00	125.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHF4-02	X1540-10
DL-BHF8-01	X1540-18

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 02/20/2006

Preparation Batch : PB10499B **Preparation Type :** 3510C **Preparation Date :** 02/17/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10499BS	SO	Benzaldehyde	19		10.00	20.00	150.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHF4-02	X1540-10
DL-BHF8-01	X1540-18

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 02/20/2006

Preparation Batch : VBK0220S2 **Preparation Type :** 5030B **Preparation Date :** 02/20/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSK0220S1	SO	1,1-Dichloroethane	140		10.00	76.60	138.70	20.00
		2-Butanone	160		10.00	52.70	155.80	20.00
		cis-1,2-Dichloroethene	140		10.00	74.70	124.90	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHF4-02	X1540-10
DL-BHF8-01	X1540-18

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Method Blank Outlier Report

Lab Reporting Batch : X1540
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 02/24/2006
Preparation Type : 3010A
Preparation Date : 02/20/2006
Method Blank Lab Sample ID : PB10505BL
Preparation Batch : PB10505

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**7.929**	**20.000**	**mg/Kg**	**J**	

Aluminum contamination found in the method blank did not qualify any samples.

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.646**	**6.000**	**mg/Kg**	**J**	

Antimony contamination found in the method blank did not qualify any samples.

Beryllium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.016**	**0.500**	**mg/Kg**	**J**	

Beryllium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHE4-01	X1540-05DL	10	0.25	J	mg/Kg
DL-BHE7-01	X1540-17DL	50	0.27	J	mg/Kg
DL-BHF10-01	X1540-22DL	10	0.20	J	mg/Kg
DL-BHF4-01	X1540-09DL	10	0.07	J	mg/Kg
DL-BHF4-01	X1540-09	1	0.08		mg/Kg
DL-BHF8-01	X1540-18DL	20	0.159	J	mg/Kg
DL-BHF9-01	X1540-21	1	0.08		mg/Kg
DL-BHG12-01	X1540-24DL	10	0.275	J	mg/Kg
DL-BHG3-01	X1540-02DL	10	0.02	J	mg/Kg
DL-BHG3-01	X1540-02	1	0.07	J	mg/Kg
DL-BHG4-01	X1540-04DL	10	0.07	J	mg/Kg

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.245**	**500.000**	**mg/Kg**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1540
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 02/24/2006
Preparation Type : 3010A
Preparation Date : 02/20/2006
Method Blank Lab Sample ID : PB10505BL
Preparation Batch : PB10505

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.181**	**1.000**	**mg/Kg**	**J**	

Chromium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHG12-01	X1540-24DL	10	2.530		mg/Kg

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.859**	**5.000**	**mg/Kg**	**J**	

Cobalt was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHF4-01	X1540-09DL	10	16.7		mg/Kg
DL-BHF8-01	X1540-18DL	20	8.090	J	mg/Kg

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.088**	**2.500**	**mg/Kg**	**J**	

Copper contamination found in the method blank did not qualify any samples.

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.670**	**1.500**	**mg/Kg**	**J**	

Manganese contamination found in the method blank did not qualify any samples.

Nickel	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.293**	**4.000**	**mg/Kg**	**J**	

Nickel contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1540 **Lab ID:** CCGE

Analysis Method : 6010B **Analysis Date :** 02/24/2006

Preparation Type : 3010A **Preparation Date :** 02/20/2006

Method Blank Lab Sample ID : PB10505BL **Preparation Batch :** PB10505

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**17.126**	**500.000**	**mg/Kg**	**J**	

Potassium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHF4-01	X1540-09DL	10	166	J	mg/Kg
DL-BHF8-01	X1540-18DL	20	707	J	mg/Kg

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.397**	**1.000**	**mg/Kg**	**J**	

Selenium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHD5-01	X1540-03	1	0.76		mg/Kg
DL-BHE4-01	X1540-05	1	1.1		mg/Kg
DL-BHE5-01	X1540-07	1	1.5		mg/Kg
DL-BHE6-01	X1540-08	1	0.45		mg/Kg
DL-BHE7-01	X1540-17DL	50	8.1		mg/Kg
DL-BHE7-01	X1540-17	1	1.3		mg/Kg
DL-BHE8-01	X1540-06	1	0.88		mg/Kg
DL-BHF11-01	X1540-23	1	0.74		mg/Kg
DL-BHF3-01	X1540-12	1	0.68		mg/Kg
DL-BHF3-01D	X1540-13	1	0.93		mg/Kg
DL-BHF8-01	X1540-18DL	20	1.550	J	mg/Kg
DL-BHG12-01	X1540-24DL	10	0.865	J	mg/Kg
DL-BHG3-01	X1540-02	1	0.18	OR	mg/Kg
DL-BHH4-01	X1540-01	1	0.63		mg/Kg
DL-MWD6-01	X1540-14	1	1.670		mg/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1540 **Lab ID:** CCGE
Analysis Method : 6010B **Analysis Date :** 02/24/2006
Preparation Type : 3010A **Preparation Date :** 02/20/2006
Method Blank Lab Sample ID : PB10505BL **Preparation Batch :** PB10505

Silver	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.319**	**1.000**	**mg/Kg**	**J**	

Silver was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHD5-01	X1540-03	1	0.78		mg/Kg
DL-BHE4-01	X1540-05DL	10	1.2	J	mg/Kg
DL-BHE4-01	X1540-05	1	1.2		mg/Kg
DL-BHE6-01	X1540-08	1	0.43		mg/Kg
DL-BHE7-01	X1540-17DL	50	5.5	J	mg/Kg
DL-BHE8-01	X1540-06	1	0.96		mg/Kg
DL-BHF10-01	X1540-22DL	10	0.45	J	mg/Kg
DL-BHF11-01	X1540-23	1	1.1		mg/Kg
DL-BHF3-01	X1540-12	1	0.56		mg/Kg
DL-BHF3-01D	X1540-13	1	0.68		mg/Kg
DL-BHF4-01	X1540-09DL	10	7.0		mg/Kg
DL-BHF8-01	X1540-18DL	20	4.250		mg/Kg
DL-BHF9-01	X1540-21	1	0.76		mg/Kg
DL-BHG12-01	X1540-24	1	0.78		mg/Kg
DL-BHG3-01	X1540-02DL	10	5.9		mg/Kg
DL-BHG3-01	X1540-02	1	0.63		mg/Kg
DL-BHH4-01	X1540-01	1	0.46		mg/Kg
DL-MWD6-01	X1540-14	1	0.629		mg/Kg

Sodium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**90.628**	**500.000**	**mg/Kg**	**J**	

Sodium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHF4-01	X1540-09DL	10	395	J	mg/Kg
DL-BHF4-01	X1540-09	1	344		mg/Kg
DL-BHF8-01	X1540-18DL	20	3170		mg/Kg

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.318**	**5.000**	**mg/Kg**	**J**	

Vanadium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1540
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 02/24/2006
Preparation Type : 3010A
Preparation Date : 02/20/2006
Method Blank Lab Sample ID : PB10505BL
Preparation Batch : PB10505

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.092**	**2.000**	**mg/Kg**	**J**	

Zinc contamination found in the method blank did not qualify any samples.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 02/24/2006

Preparation Batch : PB10505 **Preparation Type :** 3010A **Preparation Date :** 02/20/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHF8-01MS	X1540-19S	SO	Aluminum	10051		30.00	80.00	120.00	20.00
			Antimony	0.0		30.00	80.00	120.00	20.00
			Barium	292.4		30.00	80.00	120.00	20.00
			Calcium	35976		30.00	80.00	120.00	20.00
			Chromium	483.7		30.00	80.00	120.00	20.00
			Copper	1514		30.00	80.00	120.00	20.00
			Iron	13122		30.00	80.00	120.00	20.00
			Lead	1700		30.00	80.00	120.00	20.00
			Magnesium	-56.5		30.00	80.00	120.00	20.00
			Manganese	3754		30.00	80.00	120.00	20.00
			Nickel	-187		30.00	80.00	120.00	20.00
			Potassium	359.3		30.00	80.00	120.00	20.00
			Silver	132.4		30.00	80.00	120.00	20.00
			Sodium	-156		30.00	80.00	120.00	20.00
			Zinc	34604		30.00	80.00	120.00	20.00
DL-BHF8-01MSD	X1540-20SD		Aluminum	2572		30.00	80.00	120.00	20.00
			Antimony	0.0		30.00	80.00	120.00	20.00
			Barium	349.3		30.00	80.00	120.00	20.00
			Calcium	9220		30.00	80.00	120.00	20.00
			Chromium	464.2		30.00	80.00	120.00	20.00
			Cobalt	78.6		30.00	80.00	120.00	20.00
			Copper	404.9		30.00	80.00	120.00	20.00
			Iron	2670		30.00	80.00	120.00	20.00
			Lead	538.2		30.00	80.00	120.00	20.00
			Magnesium	-55.1		30.00	80.00	120.00	20.00
			Manganese	928		30.00	80.00	120.00	20.00
			Nickel	-229		30.00	80.00	120.00	20.00
			Potassium	375.9		30.00	80.00	120.00	20.00
			Silver		45.3	30.00	80.00	120.00	20.00
			Sodium	-229		30.00	80.00	120.00	20.00
			Zinc	-6387		30.00	80.00	120.00	20.00
DL-MWD6-01MS	X1540-15S		Aluminum	-324		30.00	80.00	120.00	20.00
			Antimony	0.0		30.00	80.00	120.00	20.00
			Barium	73.1		30.00	80.00	120.00	20.00
			Calcium	-2032		30.00	80.00	120.00	20.00
			Chromium	77.8		30.00	80.00	120.00	20.00
			Cobalt	76.0		30.00	80.00	120.00	20.00
			Copper	75.3		30.00	80.00	120.00	20.00
			Iron	-1500		30.00	80.00	120.00	20.00
			Lead	76.4		30.00	80.00	120.00	20.00
			Magnesium	-531		30.00	80.00	120.00	20.00
			Manganese	-197		30.00	80.00	120.00	20.00

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

DL-MWD6-01MS	X1540-15S	SO	Nickel	79.3		30.00	80.00	120.00	20.00
			Silver	131.3		30.00	80.00	120.00	20.00
			Sodium	14.1		30.00	80.00	120.00	20.00
			Zinc	3.4		30.00	80.00	120.00	20.00
DL-MWD6-01MSD	X1540-16SD		Aluminum	266.4		30.00	80.00	120.00	20.00
			Antimony	0.0		30.00	80.00	120.00	20.00
			Barium	126.8		30.00	80.00	120.00	20.00
			Calcium	-910		30.00	80.00	120.00	20.00
			Iron	-808		30.00	80.00	120.00	20.00
			Magnesium	-179		30.00	80.00	120.00	20.00
			Manganese	-35.3		30.00	80.00	120.00	20.00
			Potassium	153.9		30.00	80.00	120.00	20.00
			Silver		23.2	30.00	80.00	120.00	20.00
			Sodium	52.8		30.00	80.00	120.00	20.00
			Zinc	51.6		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHD5-01	X1540-03
DL-BHE4-01	X1540-05
DL-BHE4-01	X1540-05
DL-BHE4-01	X1540-05DL
DL-BHE4-01	X1540-05DL
DL-BHE5-01	X1540-07
DL-BHE6-01	X1540-08
DL-BHE7-01	X1540-17DL
DL-BHE7-01	X1540-17DL
DL-BHE7-01	X1540-17
DL-BHE7-01	X1540-17
DL-BHE8-01	X1540-06
DL-BHF10-01	X1540-22
DL-BHF10-01	X1540-22
DL-BHF10-01	X1540-22DL
DL-BHF10-01	X1540-22DL
DL-BHF11-01	X1540-23
DL-BHF3-01	X1540-12
DL-BHF3-01D	X1540-13
DL-BHF4-01	X1540-09DL
DL-BHF4-01	X1540-09
DL-BHF4-01	X1540-09DL
DL-BHF4-01	X1540-09
DL-BHF8-01	X1540-18
DL-BHF8-01	X1540-18
DL-BHF8-01	X1540-18DL
DL-BHF8-01	X1540-18DL
DL-BHF9-01	X1540-21
DL-BHG12-01	X1540-24DL
DL-BHG12-01	X1540-24DL
DL-BHG12-01	X1540-24
DL-BHG12-01	X1540-24

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

DL-BHG3-01	X1540-02
DL-BHG3-01	X1540-02DL
DL-BHG3-01	X1540-02DL
DL-BHG3-01	X1540-02
DL-BHG4-01	X1540-04
DL-BHG4-01	X1540-04
DL-BHG4-01	X1540-04DL
DL-BHG4-01	X1540-04DL
DL-BHH4-01	X1540-01
DL-MWD6-01	X1540-14

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7471A **Analysis Method :** 7471A **Analysis Date :** 02/21/2006

Preparation Batch : PB10515 **Preparation Type :** 7471A **Preparation Date :** 02/20/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHF8-01MS	X1540-19S	SO	Mercury	154.9		30.00	89.00	118.00	20.00
DL-BHF8-01MSD	X1540-20SD		Mercury	166.4		30.00	89.00	118.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHD5-01	X1540-03
DL-BHE4-01	X1540-05
DL-BHE5-01	X1540-07
DL-BHE6-01	X1540-08
DL-BHE7-01	X1540-17
DL-BHE8-01	X1540-06
DL-BHF10-01	X1540-22
DL-BHF11-01	X1540-23
DL-BHF3-01	X1540-12
DL-BHF3-01D	X1540-13
DL-BHF4-01	X1540-09
DL-BHF8-01	X1540-18
DL-BHF9-01	X1540-21
DL-BHG12-01	X1540-24
DL-BHG3-01	X1540-02
DL-BHG4-01	X1540-04
DL-BHH4-01	X1540-01
DL-MWD6-01	X1540-14

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8081B **Analysis Method :** 8081B **Analysis Date :** 02/21/2006

Preparation Batch : PB10498 **Preparation Type :** 5030B **Preparation Date :** 02/17/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHF8-01MS	X1540-19MS	SO	4,4'-DDD	408		10.00	52.00	127.00	20.00
			4,4'-DDE	204		10.00	74.00	124.00	20.00
			Aldrin	6965		10.00	50.00	123.00	20.00
			alpha-BHC	945		10.00	51.00	129.00	20.00
			alpha-Chlordane	169		10.00	55.00	134.00	20.00
			beta-BHC	1393		10.00	59.00	132.00	20.00
			delta-BHC	458		10.00	49.00	117.00	20.00
			Dieldrin	209		10.00	57.00	138.00	20.00
			Endosulfan I	418		10.00	56.00	133.00	20.00
			Endrin	234		10.00	54.00	129.00	20.00
			Endrin aldehyde	0		10.00	58.00	137.00	20.00
			Endrin ketone	5		10.00	48.00	136.00	20.00
			gamma-BHC (Lindane)	1791		10.00	53.00	125.00	20.00
			Heptachlor	3134		10.00	56.00	129.00	20.00
			Heptachlor epoxide	388		10.00	58.00	125.00	20.00
			Methoxychlor	38		10.00	63.00	165.00	20.00
DL-BHF8-01MSD	X1540-20MSD		4,4'-DDD	134	101	10.00	52.00	127.00	20.00
			4,4'-DDE	144	34	10.00	74.00	124.00	20.00
			Aldrin	5970		10.00	50.00	123.00	20.00
			alpha-BHC	796		10.00	51.00	129.00	20.00
			alpha-Chlordane		27	10.00	55.00	134.00	20.00
			beta-BHC	995	33	10.00	59.00	132.00	20.00
			delta-BHC	45	164	10.00	49.00	117.00	20.00
			Dieldrin		63	10.00	57.00	138.00	20.00
			Endosulfan I	348		10.00	56.00	133.00	20.00
			Endosulfan II	0	200	10.00	57.00	131.00	20.00
			Endosulfan sulfate	5	192	10.00	58.00	128.00	20.00
			Endrin		98	10.00	54.00	129.00	20.00
			Endrin aldehyde	0		10.00	58.00	137.00	20.00
			Endrin ketone	0	200	10.00	48.00	136.00	20.00
			gamma-BHC (Lindane)	1493		10.00	53.00	125.00	20.00
			Heptachlor	2687		10.00	56.00	129.00	20.00
			Heptachlor epoxide	323		10.00	58.00	125.00	20.00
			Methoxychlor	3	171	10.00	63.00	165.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-BHF8-01	X1540-18

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8082B **Analysis Method :** 8082 **Analysis Date :** 02/17/2006

Preparation Batch : PB10497 **Preparation Type :** 5030B **Preparation Date :** 02/17/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHF8-01MS	X1540-19MS	SO	AROCLOR 1016	297		10.00	55.00	128.00	20.00
			AROCLOR 1260	161		10.00	58.00	140.00	20.00
DL-BHF8-01MSD	X1540-20MSD		AROCLOR 1016	297		10.00	55.00	128.00	20.00
			AROCLOR 1260	161		10.00	58.00	140.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-BHF8-01	X1540-18

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 02/20/2006

Preparation Batch : VBK0220S2 **Preparation Type :** 5030B **Preparation Date :** 02/20/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHF8-01MS	X1540-19MS	SO	1,1,2,2-Tetrachloroethane	197		10.00	72.40	141.70	20.00
			1,1-Dichloroethane	141		10.00	76.60	138.70	20.00
			1,2-Dibromo-3-Chloropropane	156		10.00	65.90	131.70	20.00
			Chloroethane	125		10.00	66.00	122.50	20.00
			Isopropylbenzene	163		10.00	79.60	144.70	20.00
			Methyl Acetate	151		10.00	36.70	150.00	20.00
			Methylcyclohexane	65		10.00	71.10	138.60	20.00
			t-1,3-Dichloropropene	80		10.00	81.80	139.40	20.00
DL-BHF8-01MSD	X1540-20MSD		1,1,1-Trichloroethane	138		10.00	75.90	129.60	20.00
			1,1,2,2-Tetrachloroethane	180		10.00	72.40	141.70	20.00
			1,1-Dichloroethane	146		10.00	76.60	138.70	20.00
			1,2-Dibromo-3-Chloropropane	164		10.00	65.90	131.70	20.00
			Acetone		37	10.00	55.50	175.70	20.00
			Isopropylbenzene	163		10.00	79.60	144.70	20.00
			Methyl Acetate	311	69	10.00	36.70	150.00	20.00
			t-1,3-Dichloropropene	79		10.00	81.80	139.40	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-BHF8-01	X1540-18

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 02/21/2006

Preparation Batch : PB10499B **Preparation Type :** 3510C **Preparation Date :** 02/17/2006

Lab Reporting Batch : X1540 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHF8-01MS	X1540-19MS	SO	4-Nitrophenol	98		10.00	45.00	95.00	20.00
			Benzo(g,h,i)perylene	32		10.00	39.00	130.00	20.00
			Benzo(k)fluoranthene	140		10.00	43.00	125.00	20.00
			Carbazole	120		10.00	54.00	117.00	20.00
			Di-n-butylphthalate	120		10.00	52.00	112.00	20.00
			Di-n-octyl phthalate	125		10.00	53.00	122.00	20.00
			Indeno(1,2,3-cd)pyrene	25		10.00	42.00	124.00	20.00
DL-BHF8-01MSD	X1540-20MSD		Benzo(g,h,i)perylene	28		10.00	39.00	130.00	20.00
			Benzo(k)fluoranthene	135		10.00	43.00	125.00	20.00
			bis(2-Ethylhexyl)phthalate	125		10.00	54.00	124.00	20.00
			Dibenz(a,h)anthracene	35		10.00	41.00	130.00	20.00
			Di-n-butylphthalate	120		10.00	52.00	112.00	20.00
			Di-n-octyl phthalate	125		10.00	53.00	122.00	20.00
			Indeno(1,2,3-cd)pyrene	20	22	10.00	42.00	124.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-BHF8-01	X1540-18

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Surrogate Recovery Outlier Report

Lab Report Batch: X1540 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
DL-BHF4-02	X1540-10	8081B	1	SO	Tetrachloro-m-xylene	65	70.0	130.0	10.0	All Target
DL-BHF8-01	X1540-18	8270C	1	SO	2-Fluorobiphenyl	122	30.0	116.0	10.0	Base/Neutral
					Terphenyl-d14	155	18.0	137.0	10.0	Base/Neutral
DL-BHF8-01MS	X1540-19MS	8081B	1	SO	Tetrachloro-m-xylene	378	70.0	130.0	10.0	All Target
		8260B			4-Bromofluorobenzene	69	75.0	125.0	10.0	All Target
DL-BHF8-01MSD	X1540-20MSD	8081B	1	SO	Tetrachloro-m-xylene	366	70.0	130.0	10.0	All Target
		8260B			4-Bromofluorobenzene	72	75.0	125.0	10.0	All Target

Table 4: Field Duplicate Summary Report

Lab SDG: X1540 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-BHF3-01	DL-BHF3-01D	6010B
DL-BHF3-01	DL-BHF3-01D	7471A

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Antimony	DL-BHF3-01	RES	1.5		DL-BHF3-01D	RES	0.47	J	105	70	mg/Kg	Poor	J
SO	Arsenic		RES	3.2			RES	3.7		14.5	70	mg/Kg	Good	None
SO	Beryllium		RES	0.24			RES	0.28		15.4	70	mg/Kg	Good	None
SO	Chromium		RES	7.8			RES	8.5		8.59	70	mg/Kg	Good	None
SO	Copper		RES	18.3			RES	30.8		50.9	70	mg/Kg	Good	None
SO	Lead		RES	19.7			RES	20.9		5.91	70	mg/Kg	Good	None
SO	Nickel		RES	14.9			RES	17.1		13.8	70	mg/Kg	Good	None
SO	Selenium		RES	0.68			RES	0.93		31.1	70	mg/Kg	Good	None
SO	Silver		RES	0.56			RES	0.68		19.4	70	mg/Kg	Good	None
SO	Zinc		RES	99.1			RES	66.4		39.5	70	mg/Kg	Good	None

Method: 7471A

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Mercury	DL-BHF3-01	RES	0.053		DL-BHF3-01D	RES	0.047		12.0	70	mg/Kg	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected. Trip Blank not required.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	Yes – Beryllium RL not adjusted for percent moisture.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Sample DL-HAF1-01 analyzed at dilution for zinc. Sample DL-HAK7-01 analyzed for mercury at dilution due to matrix interferences.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes – See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes – See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	NA
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	NA
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No - See MS/MSD Outlier Report. 4x rule applied to Zn
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	Yes
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Sample DL-HAF1-01 analyzed at dilution for zinc. Sample DL-HAK7-01 analyzed for mercury at dilution due to matrix interferences.
Do field duplicate results show good precision for all compounds except TICs?	Yes – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	NA
GC/MS	Does initial calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC/MS	For TICs are there any system related compounds that should not be reported?	NA
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – Be, Cr, Pb, Hg, Ni and Zn results qualified UJ/J.
GC	Does initial calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC	Does continuing calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC	Did the retention time window summary form (if present) indicate any non-compliance?	NA
GC	Were all positive target compounds confirmed on a second column?	NA
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	No

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Summary of Potential Impacts on Data Usability
Major Concerns
None
Minor Concerns
Matrix interferences evident. Dilutions necessary due to concentrations of metals present and to eliminate interferences. Several metals results qualified UJ/J based on serial dilution.

Key:

ADR	=	Automated Data Review
AP	=	Acid Phenol
BN	=	Base Neutral
CCV	=	Continuing calibration verification
COC	=	Chain-of-custody
CVAA	=	Cold Vapor Automatic Absorption
GC	=	Gas Chromatography
GC/MS	=	Gas Chromatography/Mass Spectrometry
ICP	=	Inductively Coupled Plasma Argon Spectrometry
ICS	=	Interference check standard
ICV	=	Initial calibration verification
NA	=	Not Applicable
LCS	=	Laboratory Control Sample
MS/MSD	=	Matrix Spike/Matrix Spike Duplicate
QAPP	=	Quality Assurance Project Plan
QC	=	Quality Control
SD	=	Serial Dilution
SVOCs	=	Semivolatile Organic Compounds
TIC	=	Tentatively Identified Compound
VOCs	=	Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1630
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1630	02/17/2006 10:10

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-HAI4-01	SO	X1630-12	02/16/2006 14:51	
DL-HAC6-01	SO	X1630-01	02/16/2006 10:00	
DL-HAD10-01	SO	X1630-04	02/16/2006 10:59	
DL-HAD11-01	SO	X1630-05	02/16/2006 11:16	
DL-HAD11-02	SO	X1630-06	02/16/2006 11:32	
DL-HAD8-01	SO	X1630-02	02/16/2006 10:32	
DL-HAD9-01	SO	X1630-03	02/16/2006 10:46	
DL-HAE2-01	SO	X1630-08	02/16/2006 12:29	
DL-HAF1-01	SO	X1630-09	02/16/2006 12:58	
DL-HAC12-01	SO	X1630-07	02/16/2006 11:50	
DL-HAH2-01	SO	X1630-11	02/16/2006 14:15	
DL-HAR12-01	SO	X1630-20	02/16/2006 16:20	
DL-HAJ5-01	SO	X1630-16	02/16/2006 15:02	
DL-HAJ5D-01	SO	X1630-17	02/16/2006 15:05	
DL-HAK7-01	SO	X1630-13	02/16/2006 15:22	
DL-HAK7-01DUP	SO	X1630-13D	02/16/2006 15:22	DUP
DL-HAK7-01MS	SO	X1630-14S	02/16/2006 15:22	MS
DL-HAK7-01MSD	SO	X1630-15SD	02/16/2006 15:22	MSD
DL-HAM9-01	SO	X1630-18	02/16/2006 15:36	
DL-HAO10-01	SO	X1630-19	02/16/2006 15:48	
DL-HAG1-01	SO	X1630-10	02/16/2006 14:36	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	18
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	18

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1630
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAC12-01	6010B	RES	Antimony	5.8	mg/Kg		5.8	J	9,8L
DL-HAC12-01	6010B	RES	Beryllium	0.24	mg/Kg		0.24	J	31
DL-HAC12-01	6010B	RES	Chromium	8.1	mg/Kg		8.1	J	31
DL-HAC12-01	6010B	RES	Lead	13.7	mg/Kg		13.7	J	31
DL-HAC12-01	7471A	RES	Mercury	0.051	mg/Kg		0.051	J	8L,31
DL-HAC12-01	6010B	RES	Nickel	12.1	mg/Kg		12.1	J	31
DL-HAC12-01	6010B	RES	Selenium	0.26	mg/Kg		0.26	U	32,6
DL-HAC12-01	6010B	RES	Silver	0.48	mg/Kg		0.48	U	32,6
DL-HAC12-01	6010B	RES	Zinc	46.6	mg/Kg		46.6	J	31
DL-HAC6-01	6010B	RES	Antimony	7.0	mg/Kg		7.0	J	9,8L
DL-HAC6-01	6010B	RES	Beryllium	0.28	mg/Kg		0.28	J	31
DL-HAC6-01	6010B	RES	Chromium	8.9	mg/Kg		8.9	J	31
DL-HAC6-01	6010B	RES	Lead	20.6	mg/Kg		20.6	J	31
DL-HAC6-01	7471A	RES	Mercury	0.050	mg/Kg		0.050	J	8L,31
DL-HAC6-01	6010B	RES	Nickel	11.7	mg/Kg		11.7	J	31
DL-HAC6-01	6010B	RES	Selenium	0.38	mg/Kg		0.38	U	32,6
DL-HAC6-01	6010B	RES	Silver	0.50	mg/Kg		0.50	U	32,6
DL-HAC6-01	6010B	RES	Zinc	41.2	mg/Kg		41.2	J	31
DL-HAD10-01	6010B	RES	Antimony	7.9	mg/Kg		7.9	J	9,8L
DL-HAD10-01	6010B	RES	Beryllium	0.35	mg/Kg		0.35	J	31
DL-HAD10-01	6010B	RES	Chromium	11.1	mg/Kg		11.1	J	31
DL-HAD10-01	6010B	RES	Lead	24.9	mg/Kg		24.9	J	31
DL-HAD10-01	7471A	RES	Mercury	0.072	mg/Kg		0.072	J	8L,31
DL-HAD10-01	6010B	RES	Nickel	20.9	mg/Kg		20.9	J	31
DL-HAD10-01	6010B	RES	Selenium	0.94	mg/Kg		0.94	U	32,6
DL-HAD10-01	6010B	RES	Silver	0.78	mg/Kg		0.78	U	32,6
DL-HAD10-01	6010B	RES	Zinc	67.6	mg/Kg		67.6	J	31
DL-HAD11-01	6010B	RES	Antimony	4.6	mg/Kg		4.6	J	9,8L
DL-HAD11-01	6010B	RES	Beryllium	0.20	mg/Kg		0.20	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1630
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAD11-01	6010B	RES	Chromium	6.3	mg/Kg		6.3	J	31
DL-HAD11-01	6010B	RES	Lead	32.6	mg/Kg		32.6	J	31
DL-HAD11-01	7471A	RES	Mercury	0.038	mg/Kg		0.038	J	8L,31
DL-HAD11-01	6010B	RES	Nickel	9.7	mg/Kg		9.7	J	31
DL-HAD11-01	6010B	RES	Selenium	0.29	mg/Kg		0.29	U	32,6
DL-HAD11-01	6010B	RES	Silver	0.42	mg/Kg		0.42	U	32,6
DL-HAD11-01	6010B	RES	Zinc	50.5	mg/Kg		50.5	J	31
DL-HAD11-02	6010B	RES	Antimony	2.0	mg/Kg		2.0	J	9,8L
DL-HAD11-02	6010B	RES	Beryllium	0.16	mg/Kg		0.16	J	31
DL-HAD11-02	6010B	RES	Chromium	6.1	mg/Kg		6.1	J	31
DL-HAD11-02	6010B	RES	Lead	20.4	mg/Kg		20.4	J	31
DL-HAD11-02	7471A	RES	Mercury	0.029	mg/Kg		0.029	J	8L,31
DL-HAD11-02	6010B	RES	Nickel	7.9	mg/Kg		7.9	J	31
DL-HAD11-02	6010B	RES	Selenium	0.10	mg/Kg	J	0.10	UJ	32,12,6
DL-HAD11-02	6010B	RES	Silver	0.34	mg/Kg		0.34	U	32,6
DL-HAD11-02	6010B	RES	Zinc	43.2	mg/Kg		43.2	J	31
DL-HAD8-01	6010B	RES	Antimony	6.0	mg/Kg		6.0	J	9,8L
DL-HAD8-01	6010B	RES	Beryllium	0.24	mg/Kg		0.24	J	31
DL-HAD8-01	6010B	RES	Chromium	7.9	mg/Kg		7.9	J	31
DL-HAD8-01	6010B	RES	Lead	17.2	mg/Kg		17.2	J	31
DL-HAD8-01	7471A	RES	Mercury	0.061	mg/Kg		0.061	J	8L,31
DL-HAD8-01	6010B	RES	Nickel	12.3	mg/Kg		12.3	J	31
DL-HAD8-01	6010B	RES	Selenium	0.56	mg/Kg		0.56	U	32,6
DL-HAD8-01	6010B	RES	Silver	0.52	mg/Kg		0.52	U	32,6
DL-HAD8-01	6010B	RES	Zinc	37.4	mg/Kg		37.4	J	31
DL-HAD9-01	6010B	RES	Antimony	4.3	mg/Kg		4.3	J	9,8L
DL-HAD9-01	6010B	RES	Beryllium	0.19	mg/Kg		0.19	J	31
DL-HAD9-01	6010B	RES	Chromium	5.6	mg/Kg		5.6	J	31
DL-HAD9-01	6010B	RES	Lead	20.7	mg/Kg		20.7	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1630
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAD9-01	7471A	RES	Mercury	0.036	mg/Kg		0.036	J	8L,31
DL-HAD9-01	6010B	RES	Nickel	9.7	mg/Kg		9.7	J	31
DL-HAD9-01	6010B	RES	Selenium	0.35	mg/Kg		0.35	U	32,6
DL-HAD9-01	6010B	RES	Silver	0.41	mg/Kg		0.41	U	32,6
DL-HAD9-01	6010B	RES	Zinc	37.2	mg/Kg		37.2	J	31
DL-HAE2-01	6010B	RES	Antimony	6.1	mg/Kg		6.1	J	9,8L
DL-HAE2-01	6010B	RES	Beryllium	0.22	mg/Kg		0.22	J	31
DL-HAE2-01	6010B	RES	Chromium	15.8	mg/Kg		15.8	J	31
DL-HAE2-01	6010B	RES	Lead	879	mg/Kg		879	J	31
DL-HAE2-01	7471A	RES	Mercury	0.080	mg/Kg		0.080	J	8L,31
DL-HAE2-01	6010B	RES	Nickel	10.6	mg/Kg		10.6	J	31
DL-HAE2-01	6010B	RES	Selenium	0.81	mg/Kg		0.81	U	32,6
DL-HAE2-01	6010B	RES	Zinc	393	mg/Kg		393	J	31
DL-HAF1-01	6010B	RES	Antimony	18.8	mg/Kg		18.8	J	9,8L
DL-HAF1-01	6010B	RES	Beryllium	0.38	mg/Kg		0.38	J	31
DL-HAF1-01	6010B	RES	Chromium	35.6	mg/Kg		35.6	J	31
DL-HAF1-01	6010B	RES	Lead	2160	mg/Kg		2160	J	31
DL-HAF1-01	7471A	RES	Mercury	0.305	mg/Kg		0.305	J	8L,31
DL-HAF1-01	6010B	RES	Nickel	20.5	mg/Kg		20.5	J	31
DL-HAF1-01	6010B	RES	Selenium	1.2	mg/Kg		1.2	U	32,6
DL-HAF1-01	6010B	DL	Zinc	1160	mg/Kg		1160	J	31
DL-HAG1-01	6010B	RES	Antimony	17.3	mg/Kg		17.3	J	9,8L
DL-HAG1-01	6010B	RES	Beryllium	0.29	mg/Kg		0.29	J	31
DL-HAG1-01	6010B	RES	Chromium	18.7	mg/Kg		18.7	J	31
DL-HAG1-01	6010B	RES	Lead	1430	mg/Kg		1430	J	31
DL-HAG1-01	7471A	RES	Mercury	0.520	mg/Kg		0.520	J	8L,31
DL-HAG1-01	6010B	RES	Nickel	17.6	mg/Kg		17.6	J	31
DL-HAG1-01	6010B	RES	Selenium	1.3	mg/Kg		1.3	U	32,6
DL-HAG1-01	6010B	RES	Zinc	982	mg/Kg		982	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1630
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAH2-01	6010B	RES	Beryllium	0.38	mg/Kg		0.38	J	31
DL-HAH2-01	6010B	RES	Chromium	10.2	mg/Kg		10.2	J	31
DL-HAH2-01	6010B	RES	Lead	20.1	mg/Kg		20.1	J	31
DL-HAH2-01	7471A	RES	Mercury	0.059	mg/Kg		0.059	J	8L,31
DL-HAH2-01	6010B	RES	Nickel	20.5	mg/Kg		20.5	J	31
DL-HAH2-01	6010B	RES	Selenium	0.81	mg/Kg		0.81	U	32,6
DL-HAH2-01	6010B	RES	Silver	0.79	mg/Kg		0.79	U	32,6
DL-HAH2-01	6010B	RES	Zinc	57.4	mg/Kg		57.4	J	31
DL-HAI4-01	6010B	RES	Antimony	10.9	mg/Kg		10.9	J	9,8L
DL-HAI4-01	6010B	RES	Beryllium	0.42	mg/Kg		0.42	J	31
DL-HAI4-01	6010B	RES	Chromium	12.3	mg/Kg		12.3	J	31
DL-HAI4-01	6010B	RES	Lead	19.5	mg/Kg		19.5	J	31
DL-HAI4-01	7471A	RES	Mercury	0.064	mg/Kg		0.064	J	8L,31
DL-HAI4-01	6010B	RES	Nickel	21.5	mg/Kg		21.5	J	31
DL-HAI4-01	6010B	RES	Selenium	0.82	mg/Kg		0.82	U	32,6
DL-HAI4-01	6010B	RES	Zinc	66.8	mg/Kg		66.8	J	31
DL-HAJ5-01	6010B	RES	Antimony	2.7	mg/Kg		2.7	J	9,8L
DL-HAJ5-01	6010B	RES	Beryllium	0.13	mg/Kg		0.13	J	31
DL-HAJ5-01	6010B	RES	Chromium	5.8	mg/Kg		5.8	J	31
DL-HAJ5-01	6010B	RES	Lead	11.6	mg/Kg		11.6	J	31
DL-HAJ5-01	7471A	RES	Mercury	0.028	mg/Kg		0.028	J	8L,31
DL-HAJ5-01	6010B	RES	Nickel	7.0	mg/Kg		7.0	J	31
DL-HAJ5-01	6010B	RES	Selenium	0.11	mg/Kg	J	0.11	UJ	32,12,6
DL-HAJ5-01	6010B	RES	Silver	0.35	mg/Kg		0.35	U	32,6
DL-HAJ5-01	6010B	RES	Zinc	25.5	mg/Kg		25.5	J	31
DL-HAJ5D-01	6010B	RES	Antimony	3.2	mg/Kg		3.2	J	9,8L
DL-HAJ5D-01	6010B	RES	Beryllium	0.13	mg/Kg		0.13	J	31
DL-HAJ5D-01	6010B	RES	Chromium	5.9	mg/Kg		5.9	J	31
DL-HAJ5D-01	6010B	RES	Lead	14.5	mg/Kg		14.5	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1630
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAJ5D-01	7471A	RES	Mercury	0.033	mg/Kg		0.033	J	8L,31
DL-HAJ5D-01	6010B	RES	Nickel	6.9	mg/Kg		6.9	J	31
DL-HAJ5D-01	6010B	RES	Selenium	0.11	mg/Kg	J	0.11	UJ	32,12,6
DL-HAJ5D-01	6010B	RES	Silver	0.33	mg/Kg		0.33	U	32,6
DL-HAJ5D-01	6010B	RES	Zinc	25.6	mg/Kg		25.6	J	31
DL-HAK7-01	6010B	RES	Antimony	0.805	mg/Kg	U	0.805	UJ	9,8L
DL-HAK7-01	6010B	RES	Beryllium	0.298	mg/Kg		0.298	J	31
DL-HAK7-01	6010B	RES	Chromium	10.4	mg/Kg		10.4	J	31
DL-HAK7-01	6010B	RES	Lead	16.4	mg/Kg		16.4	J	31
DL-HAK7-01	7471A	RES	Mercury	0.940	mg/Kg		0.940	J	8L,31
DL-HAK7-01	6010B	RES	Nickel	18.6	mg/Kg		18.6	J	31
DL-HAK7-01	6010B	RES	Selenium	1.580	mg/Kg		1.580	U	32,6
DL-HAK7-01	6010B	RES	Silver	0.553	mg/Kg		0.553	U	32,6
DL-HAK7-01	6010B	RES	Zinc	76.2	mg/Kg		76.2	J	31
DL-HAM9-01	6010B	RES	Antimony	0.79	mg/Kg	U	0.79	UJ	9,8L
DL-HAM9-01	6010B	RES	Beryllium	0.16	mg/Kg		0.16	J	31
DL-HAM9-01	6010B	RES	Chromium	6.4	mg/Kg		6.4	J	31
DL-HAM9-01	6010B	RES	Lead	32.3	mg/Kg		32.3	J	31
DL-HAM9-01	7471A	RES	Mercury	0.044	mg/Kg		0.044	J	8L,31
DL-HAM9-01	6010B	RES	Nickel	9.5	mg/Kg		9.5	J	31
DL-HAM9-01	6010B	RES	Selenium	0.07	mg/Kg	J	0.07	UJ	32,12,6
DL-HAM9-01	6010B	RES	Silver	0.37	mg/Kg		0.37	U	32,6
DL-HAM9-01	6010B	RES	Zinc	41.1	mg/Kg		41.1	J	31
DL-HAO10-01	6010B	RES	Antimony	5.0	mg/Kg		5.0	J	9,8L
DL-HAO10-01	6010B	RES	Beryllium	0.21	mg/Kg		0.21	J	31
DL-HAO10-01	6010B	RES	Chromium	6.9	mg/Kg		6.9	J	31
DL-HAO10-01	6010B	RES	Lead	13.9	mg/Kg		13.9	J	31
DL-HAO10-01	7471A	RES	Mercury	0.049	mg/Kg		0.049	J	8L,31
DL-HAO10-01	6010B	RES	Nickel	12.0	mg/Kg		12.0	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1630
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAO10-01	6010B	RES	Selenium	0.05	mg/Kg	J	0.05	UJ	32,12,6
DL-HAO10-01	6010B	RES	Silver	0.44	mg/Kg		0.44	U	32,6
DL-HAO10-01	6010B	RES	Zinc	41.6	mg/Kg		41.6	J	31
DL-HAR12-01	6010B	RES	Antimony	4.8	mg/Kg		4.8	J	9,8L
DL-HAR12-01	6010B	RES	Beryllium	0.24	mg/Kg		0.24	J	31
DL-HAR12-01	6010B	RES	Chromium	6.7	mg/Kg		6.7	J	31
DL-HAR12-01	6010B	RES	Lead	11.6	mg/Kg		11.6	J	31
DL-HAR12-01	7471A	RES	Mercury	0.014	mg/Kg	U	0.014	UJ	31L,8L
DL-HAR12-01	6010B	RES	Nickel	9.2	mg/Kg		9.2	J	31
DL-HAR12-01	6010B	RES	Silver	0.35	mg/Kg		0.35	U	32,6
DL-HAR12-01	6010B	RES	Zinc	33.2	mg/Kg		33.2	J	31

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
12	Result is below project reporting limit, but above MDL.
31	Result qualified based on professional judgement.
31L	Result qualified based on professional judgement. Result has a low bias.
32	Non-detect, concentration is same as method blank

Method Blank Outlier Report

Lab Reporting Batch : X1630
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 02/24/2006
Preparation Type : 3010A
Preparation Date : 02/20/2006
Method Blank Lab Sample ID : PB10503BL
Preparation Batch : PB10503

Beryllium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.014	0.500	mg/Kg	J	

Beryllium contamination found in the method blank did not qualify any samples.

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.071	0.500	mg/Kg	J	

Cadmium contamination found in the method blank did not qualify any samples.

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.286	1.000	mg/Kg	J	

Chromium contamination found in the method blank did not qualify any samples.

Lead	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.301	0.500	mg/Kg	J	

Lead contamination found in the method blank did not qualify any samples.

Nickel	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.460	4.000	mg/Kg	J	

Nickel contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1630
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 02/24/2006
Preparation Type : 3010A
Preparation Date : 02/20/2006
Method Blank Lab Sample ID : PB10503BL
Preparation Batch : PB10503

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.356**	**1.000**	**mg/Kg**	**J**	

Selenium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-HAC12-01	X1630-07	1	0.26		mg/Kg
DL-HAC6-01	X1630-01	1	0.38		mg/Kg
DL-HAD10-01	X1630-04	1	0.94		mg/Kg
DL-HAD11-01	X1630-05	1	0.29		mg/Kg
DL-HAD11-02	X1630-06	1	0.10	J	mg/Kg
DL-HAD8-01	X1630-02	1	0.56		mg/Kg
DL-HAD9-01	X1630-03	1	0.35		mg/Kg
DL-HAE2-01	X1630-08	1	0.81		mg/Kg
DL-HAF1-01	X1630-09	1	1.2		mg/Kg
DL-HAG1-01	X1630-10	1	1.3		mg/Kg
DL-HAH2-01	X1630-11	1	0.81		mg/Kg
DL-HAI4-01	X1630-12	1	0.82		mg/Kg
DL-HAJ5-01	X1630-16	1	0.11	J	mg/Kg
DL-HAJ5D-01	X1630-17	1	0.11	J	mg/Kg
DL-HAK7-01	X1630-13	1	1.580		mg/Kg
DL-HAM9-01	X1630-18	1	0.07	J	mg/Kg
DL-HAO10-01	X1630-19	1	0.05	J	mg/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1630 **Lab ID:** CCGE

Analysis Method : 6010B **Analysis Date :** 02/24/2006

Preparation Type : 3010A **Preparation Date :** 02/20/2006

Method Blank Lab Sample ID : PB10503BL **Preparation Batch :** PB10503

Silver	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.162**	**1.000**	**mg/Kg**	**J**	

Silver was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-HAC12-01	X1630-07	1	0.48		mg/Kg
DL-HAC6-01	X1630-01	1	0.50		mg/Kg
DL-HAD10-01	X1630-04	1	0.78		mg/Kg
DL-HAD11-01	X1630-05	1	0.42		mg/Kg
DL-HAD11-02	X1630-06	1	0.34		mg/Kg
DL-HAD8-01	X1630-02	1	0.52		mg/Kg
DL-HAD9-01	X1630-03	1	0.41		mg/Kg
DL-HAH2-01	X1630-11	1	0.79		mg/Kg
DL-HAJ5-01	X1630-16	1	0.35		mg/Kg
DL-HAJ5D-01	X1630-17	1	0.33		mg/Kg
DL-HAK7-01	X1630-13	1	0.553		mg/Kg
DL-HAM9-01	X1630-18	1	0.37		mg/Kg
DL-HAO10-01	X1630-19	1	0.44		mg/Kg
DL-HAR12-01	X1630-20	1	0.35		mg/Kg

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 02/24/2006

Preparation Batch : PB10503 **Preparation Type :** 3010A **Preparation Date :** 02/20/2006

Lab Reporting Batch : X1630 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-HAK7-01MS	X1630-14S	SO	Antimony	37.1		30.00	80.00	120.00	20.00
			Zinc	-0.8		30.00	80.00	120.00	20.00
DL-HAK7-01MSD	X1630-15SD		Antimony	49.7	29.1	30.00	80.00	120.00	20.00
			Zinc	26.0		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-HAC12-01	X1630-07
DL-HAC6-01	X1630-01
DL-HAD10-01	X1630-04
DL-HAD11-01	X1630-05
DL-HAD11-02	X1630-06
DL-HAD8-01	X1630-02
DL-HAD9-01	X1630-03
DL-HAE2-01	X1630-08
DL-HAF1-01	X1630-09DL
DL-HAF1-01	X1630-09
DL-HAG1-01	X1630-10
DL-HAH2-01	X1630-11
DL-HAI4-01	X1630-12
DL-HAJ5-01	X1630-16
DL-HAJ5D-01	X1630-17
DL-HAK7-01	X1630-13
DL-HAM9-01	X1630-18
DL-HAO10-01	X1630-19
DL-HAR12-01	X1630-20

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7471A **Analysis Method :** 7471A **Analysis Date :** 02/21/2006

Preparation Batch : PB10517 **Preparation Type :** 3010A **Preparation Date :** 02/20/2006

Lab Reporting Batch : X1630 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-HAK7-01MS	X1630-14S	SO	Mercury	36.0		30.00	89.00	118.00	20.00
DL-HAK7-01MSD	X1630-15SD		Mercury	48.5		30.00	89.00	118.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-HAC12-01	X1630-07
DL-HAC6-01	X1630-01
DL-HAD10-01	X1630-04
DL-HAD11-01	X1630-05
DL-HAD11-02	X1630-06
DL-HAD8-01	X1630-02
DL-HAD9-01	X1630-03
DL-HAE2-01	X1630-08
DL-HAF1-01	X1630-09
DL-HAG1-01	X1630-10
DL-HAH2-01	X1630-11
DL-HAI4-01	X1630-12
DL-HAJ5-01	X1630-16
DL-HAJ5D-01	X1630-17
DL-HAK7-01	X1630-13
DL-HAM9-01	X1630-18
DL-HAO10-01	X1630-19
DL-HAR12-01	X1630-20

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: X1630 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-HAJ5-01	DL-HAJ5D-01	6010B
DL-HAJ5-01	DL-HAJ5D-01	7471A

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Antimony	DL-HAJ5-01	RES	2.7		DL-HAJ5D-01	RES	3.2		16.9	70	mg/Kg	Good	None
SO	Arsenic		RES	2.0			RES	1.9		5.13	70	mg/Kg	Good	None
SO	Beryllium		RES	0.13			RES	0.13		0	70	mg/Kg	Good	None
SO	Chromium		RES	5.8			RES	5.9		1.71	70	mg/Kg	Good	None
SO	Copper		RES	8.8			RES	8.7		1.14	70	mg/Kg	Good	None
SO	Lead		RES	11.6			RES	14.5		22.2	70	mg/Kg	Good	None
SO	Nickel		RES	7.0			RES	6.9		1.44	70	mg/Kg	Good	None
SO	Selenium		RES	0.11	J		RES	0.11	J	0	70	mg/Kg	Good	None
SO	Silver		RES	0.35			RES	0.33		5.88	70	mg/Kg	Good	None
SO	Zinc		RES	25.5			RES	25.6		0.391	70	mg/Kg	Good	None

Method: 7471A

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Mercury	DL-HAJ5-01	RES	0.028		DL-HAJ5D-01	RES	0.033		16.4	70	mg/Kg	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected. Trip Blank not required.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	Yes – Beryllium RL not adjusted for percent moisture.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Several samples analyzed at dilutions due to concentrations present or matrix interferences.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes – See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes – See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	NA
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	NA
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No - See MS/MSD Outlier Report. Antimony not recovered from MS/MSD or post spike. Silver not recovered from MS/MSD. Post spike not required for silver. Non-detect values "R" flagged. 4x rule applied to Cr, Cu, Pb, Ni and Zn
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	Yes
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Several samples analyzed at dilutions due to concentrations present or matrix interferences.
Do field duplicate results show good precision for all compounds except TICs?	No – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	NA
GC/MS	Does initial calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC/MS	For TICs are there any system related compounds that should not be reported?	NA
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – As, Be, Cd, Cr, Cu, Hg, Ni and Zn results qualified UJ/J.
GC	Does initial calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC	Does continuing calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC	Did the retention time window summary form (if present) indicate any non-compliance?	NA
GC	Were all positive target compounds confirmed on a second column?	NA
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	No

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1630
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Summary of Potential Impacts on Data Usability
Major Concerns
Antimony not recovered from MS/MSD/Post Spike. Silver not recovered from MS/MSD. Non-detect results flagged "R".
Minor Concerns
Matrix interferences evident. Dilutions necessary due to concentrations of metals present and to eliminate interferences. Several metals results qualified UJ/J based on serial dilution.

Key:

ADR = Automated Data Review
AP = Acid Phenol
BN = Base Neutral
CCV = Continuing calibration verification
COC = Chain-of-custody
CVAA = Cold Vapor Automatic Absorption
GC = Gas Chromatography
GC/MS = Gas Chromatography/Mass Spectrometry
ICP = Inductively Coupled Plasma Argon Spectrometry
ICS = Interference check standard
ICV = Initial calibration verification
NA = Not Applicable
LCS = Laboratory Control Sample
MS/MSD = Matrix Spike/Matrix Spike Duplicate
QAPP = Quality Assurance Project Plan
QC = Quality Control
SD = Serial Dilution
SVOCs = Semivolatile Organic Compounds
TIC = Tentatively Identified Compound
VOCs = Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1652
Date Completed: July 21, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1652	02/21/2006 10:15

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHI5-01	SO	X1652-11	02/17/2006 08:20	
DL-BHI6-01	SO	X1652-12	02/17/2006 09:10	
DL-BHI7-02	SO	X1652-13	02/17/2006 10:15	
DL-BHI9-01	SO	X1652-15	02/17/2006 12:10	
DL-BHI9-01D	SO	X1652-16	02/17/2006 12:10	FD
DL-BHJ10-01	SO	X1652-20	02/17/2006 15:05	
DL-BHJ10-02	SO	X1652-21	02/17/2006 15:30	
DL-BHJ8-01	SO	X1652-14	02/17/2006 11:48	
DL-BHJ9-01	SO	X1652-17	02/17/2006 14:35	
DL-BHJ9-01DUP	SO	X1652-17D	02/17/2006 14:35	DUP
DL-BHJ9-01MS	SO	X1652-18S	02/17/2006 14:35	MS
DL-BHJ9-01MSD	SO	X1652-19SD	02/17/2006 14:35	MSD
DL-HAD4-01	SO	X1652-08	02/17/2006 10:54	
DL-HAE3-01	SO	X1652-07	02/17/2006 10:36	
DL-HAE8A-01	SO	X1652-09	02/17/2006 11:15	
DL-HAE8A-02	SO	X1652-10	02/17/2006 11:18	
DL-HAJ7-01	SO	X1652-02	02/17/2006 08:54	
DL-HAK8-01	SO	X1652-01	02/17/2006 08:44	
DL-HAL10-01	SO	X1652-03	02/17/2006 09:15	
DL-HAN11-01	SO	X1652-04	02/17/2006 09:28	
DL-HAN11-01-D	SO	X1652-05	02/17/2006 09:30	FD
DL-HAP12-01	SO	X1652-06	02/17/2006 09:55	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	19
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	19

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1652
Date Completed: July 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI5-01	6010B	RES	Antimony	8.7	mg/Kg		8.7	J	9,8L
DL-BHI6-01	6010B	RES	Antimony	12.3	mg/Kg		12.3	J	9,8L
DL-BHI7-02	6010B	RES	Antimony	16.2	mg/Kg		16.2	J	9,8L
DL-BHI9-01	6010B	RES	Antimony	33.1	mg/Kg		33.1	J	9,8L
DL-BHI9-01D	6010B	RES	Antimony	32.2	mg/Kg		32.2	J	9,8L
DL-BHJ10-01	6010B	RES	Antimony	9.7	mg/Kg		9.7	J	9,8L
DL-BHJ10-02	6010B	RES	Antimony	5.7	mg/Kg		5.7	J	9,8L
DL-BHJ8-01	6010B	RES	Antimony	21.3	mg/Kg		21.3	J	9,8L
DL-BHJ9-01	6010B	RES	Antimony	0.776	mg/Kg	U	0.776	R	9,8L
DL-HAD4-01	6010B	RES	Antimony	1.6	mg/Kg		1.6	J	9,8L
DL-HAE3-01	6010B	RES	Antimony	6.3	mg/Kg		6.3	J	9,8L
DL-HAE8A-01	6010B	RES	Antimony	7.3	mg/Kg		7.3	J	9,8L
DL-HAE8A-02	6010B	RES	Antimony	15.9	mg/Kg		15.9	J	9,8L
DL-HAJ7-01	6010B	RES	Antimony	7.4	mg/Kg		7.4	J	9,8L
DL-HAK8-01	6010B	RES	Antimony	5.7	mg/Kg		5.7	J	9,8L
DL-HAL10-01	6010B	RES	Antimony	2.5	mg/Kg		2.5	J	9,8L
DL-HAN11-01	6010B	RES	Antimony	3.5	mg/Kg		3.5	J	9,8L
DL-HAN11-01-D	6010B	RES	Antimony	1.5	mg/Kg		1.5	J	9,8L
DL-HAP12-01	6010B	RES	Antimony	2.9	mg/Kg		2.9	J	9,8L
DL-BHI5-01	6010B	RES	Arsenic	4.7	mg/Kg		4.7	J	31
DL-BHI6-01	6010B	RES	Arsenic	17.0	mg/Kg		17.0	J	31
DL-BHI7-02	6010B	RES	Arsenic	5.9	mg/Kg		5.9	J	31
DL-BHI9-01	6010B	RES	Arsenic	13.4	mg/Kg		13.4	J	31
DL-BHI9-01D	6010B	RES	Arsenic	12.8	mg/Kg		12.8	J	31
DL-BHJ10-01	6010B	RES	Arsenic	5.0	mg/Kg		5.0	J	31
DL-BHJ10-02	6010B	RES	Arsenic	2.6	mg/Kg		2.6	J	31
DL-BHJ8-01	6010B	RES	Arsenic	8.5	mg/Kg		8.5	J	31
DL-BHJ9-01	6010B	RES	Arsenic	5.810	mg/Kg		5.810	J	31
DL-HAD4-01	6010B	RES	Arsenic	3.9	mg/Kg		3.9	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1652
Date Completed: July 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAE3-01	6010B	RES	Arsenic	7.8	mg/Kg		7.8	J	31
DL-HAE8A-01	6010B	RES	Arsenic	6.0	mg/Kg		6.0	J	31
DL-HAE8A-02	6010B	RES	Arsenic	21.7	mg/Kg		21.7	J	31
DL-HAJ7-01	6010B	RES	Arsenic	4.8	mg/Kg		4.8	J	31
DL-HAK8-01	6010B	RES	Arsenic	3.9	mg/Kg		3.9	J	31
DL-HAL10-01	6010B	RES	Arsenic	4.7	mg/Kg		4.7	J	31
DL-HAN11-01	6010B	RES	Arsenic	5.6	mg/Kg		5.6	J	31
DL-HAN11-01-D	6010B	RES	Arsenic	5.4	mg/Kg		5.4	J	31
DL-HAP12-01	6010B	RES	Arsenic	4.0	mg/Kg		4.0	J	31
DL-BHI5-01	6010B	RES	Beryllium	0.36	mg/Kg		0.36	J	31
DL-BHI7-02	6010B	RES	Beryllium	0.44	mg/Kg		0.44	J	31
DL-BHI9-01	6010B	RES	Beryllium	0.29	mg/Kg		0.29	J	31
DL-BHI9-01D	6010B	RES	Beryllium	0.27	mg/Kg		0.27	J	31
DL-BHJ10-01	6010B	RES	Beryllium	0.20	mg/Kg		0.20	J	31
DL-BHJ10-02	6010B	RES	Beryllium	0.30	mg/Kg		0.30	J	31
DL-BHJ8-01	6010B	RES	Beryllium	0.22	mg/Kg		0.22	J	31
DL-BHJ9-01	6010B	RES	Beryllium	0.259	mg/Kg		0.259	J	31
DL-HAD4-01	6010B	RES	Beryllium	0.21	mg/Kg		0.21	J	31
DL-HAE3-01	6010B	RES	Beryllium	0.27	mg/Kg		0.27	J	31
DL-HAE8A-01	6010B	RES	Beryllium	0.19	mg/Kg		0.19	J	31
DL-HAE8A-02	6010B	RES	Beryllium	0.23	mg/Kg		0.23	J	31
DL-HAJ7-01	6010B	RES	Beryllium	0.26	mg/Kg		0.26	J	31
DL-HAK8-01	6010B	RES	Beryllium	0.22	mg/Kg		0.22	J	31
DL-HAL10-01	6010B	RES	Beryllium	0.28	mg/Kg		0.28	J	31
DL-HAN11-01	6010B	RES	Beryllium	0.31	mg/Kg		0.31	J	31
DL-HAN11-01-D	6010B	RES	Beryllium	0.29	mg/Kg		0.29	J	31
DL-HAP12-01	6010B	RES	Beryllium	0.24	mg/Kg		0.24	J	31
DL-BHI5-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHI6-01	6010B	RES	Cadmium	9.1	mg/Kg		9.1	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1652
Date Completed: July 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI7-02	6010B	RES	Cadmium	0.67	mg/Kg		0.67	J	31
DL-BHI9-01	6010B	RES	Cadmium	5.7	mg/Kg		5.7	J	31
DL-BHI9-01D	6010B	RES	Cadmium	6.5	mg/Kg		6.5	J	31
DL-BHJ10-01	6010B	RES	Cadmium	1.6	mg/Kg		1.6	J	31
DL-BHJ10-02	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHJ8-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHJ9-01	6010B	RES	Cadmium	1.990	mg/Kg		1.990	J	31
DL-HAD4-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-HAE3-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-HAE8A-01	6010B	RES	Cadmium	0.20	mg/Kg		0.20	J	31
DL-HAE8A-02	6010B	RES	Cadmium	2.8	mg/Kg		2.8	J	31
DL-HAJ7-01	6010B	RES	Cadmium	0.46	mg/Kg		0.46	J	31
DL-HAL10-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-HAN11-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-HAN11-01-D	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-HAP12-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-BHI5-01	6010B	RES	Chromium	10.8	mg/Kg		10.8	J	31
DL-BHI6-01	6010B	RES	Chromium	83.0	mg/Kg		83.0	J	31
DL-BHI7-02	6010B	RES	Chromium	67.1	mg/Kg		67.1	J	31
DL-BHI9-01	6010B	RES	Chromium	120	mg/Kg		120	J	31
DL-BHI9-01D	6010B	RES	Chromium	115	mg/Kg		115	J	31
DL-BHJ10-01	6010B	RES	Chromium	33.5	mg/Kg		33.5	J	31
DL-BHJ10-02	6010B	RES	Chromium	8.6	mg/Kg		8.6	J	31
DL-BHJ8-01	6010B	RES	Chromium	130	mg/Kg		130	J	31
DL-BHJ9-01	6010B	RES	Chromium	90.7	mg/Kg		90.7	J	31
DL-HAD4-01	6010B	RES	Chromium	6.6	mg/Kg		6.6	J	31
DL-HAE3-01	6010B	RES	Chromium	19.2	mg/Kg		19.2	J	31
DL-HAE8A-01	6010B	RES	Chromium	13.8	mg/Kg		13.8	J	31
DL-HAE8A-02	6010B	RES	Chromium	39.1	mg/Kg		39.1	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1652
Date Completed: July 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAJ7-01	6010B	RES	Chromium	10.8	mg/Kg		10.8	J	31
DL-HAK8-01	6010B	RES	Chromium	8.6	mg/Kg		8.6	J	31
DL-HAL10-01	6010B	RES	Chromium	8.8	mg/Kg		8.8	J	31
DL-HAN11-01	6010B	RES	Chromium	10.3	mg/Kg		10.3	J	31
DL-HAN11-01-D	6010B	RES	Chromium	9.4	mg/Kg		9.4	J	31
DL-HAP12-01	6010B	RES	Chromium	8.3	mg/Kg		8.3	J	31
DL-BHI5-01	6010B	RES	Copper	24.0	mg/Kg		24.0	J	31
DL-BHI6-01	6010B	RES	Copper	150	mg/Kg		150	J	31
DL-BHI7-02	6010B	RES	Copper	119	mg/Kg		119	J	31
DL-BHI9-01	6010B	DL	Copper	878	mg/Kg		878	J	31
DL-BHI9-01D	6010B	DL	Copper	455	mg/Kg		455	J	31
DL-BHJ10-01	6010B	RES	Copper	127	mg/Kg		127	J	31
DL-BHJ10-02	6010B	RES	Copper	14.1	mg/Kg		14.1	J	31
DL-BHJ8-01	6010B	RES	Copper	153	mg/Kg		153	J	31
DL-BHJ9-01	6010B	DL	Copper	152	mg/Kg		152	J	31
DL-HAD4-01	6010B	RES	Copper	17.0	mg/Kg		17.0	J	31
DL-HAE3-01	6010B	RES	Copper	78.7	mg/Kg		78.7	J	31
DL-HAE8A-01	6010B	RES	Copper	124	mg/Kg		124	J	31
DL-HAE8A-02	6010B	RES	Copper	274	mg/Kg		274	J	31
DL-HAJ7-01	6010B	RES	Copper	40.3	mg/Kg		40.3	J	31
DL-HAK8-01	6010B	RES	Copper	17.9	mg/Kg		17.9	J	31
DL-HAL10-01	6010B	RES	Copper	21.7	mg/Kg		21.7	J	31
DL-HAN11-01	6010B	RES	Copper	24.2	mg/Kg		24.2	J	31
DL-HAN11-01-D	6010B	RES	Copper	22.8	mg/Kg		22.8	J	31
DL-HAP12-01	6010B	RES	Copper	19.0	mg/Kg		19.0	J	31
DL-BHI5-01	6010B	RES	Nickel	19.1	mg/Kg		19.1	J	31
DL-BHI6-01	6010B	RES	Nickel	48.3	mg/Kg		48.3	J	31
DL-BHI7-02	6010B	RES	Nickel	20.2	mg/Kg		20.2	J	31
DL-BHI9-01	6010B	RES	Nickel	64.5	mg/Kg		64.5	J	31

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI9-01D	6010B	RES	Nickel	52.7	mg/Kg		52.7	J	31
DL-BHJ10-01	6010B	RES	Nickel	20.4	mg/Kg		20.4	J	31
DL-BHJ10-02	6010B	RES	Nickel	14.8	mg/Kg		14.8	J	31
DL-BHJ8-01	6010B	RES	Nickel	43.3	mg/Kg		43.3	J	31
DL-BHJ9-01	6010B	RES	Nickel	33.5	mg/Kg		33.5	J	31
DL-HAD4-01	6010B	RES	Nickel	12.3	mg/Kg		12.3	J	31
DL-HAE3-01	6010B	RES	Nickel	28.1	mg/Kg		28.1	J	31
DL-HAE8A-01	6010B	RES	Nickel	17.9	mg/Kg		17.9	J	31
DL-HAE8A-02	6010B	RES	Nickel	106	mg/Kg		106	J	31
DL-HAJ7-01	6010B	RES	Nickel	16.4	mg/Kg		16.4	J	31
DL-HAK8-01	6010B	RES	Nickel	12.8	mg/Kg		12.8	J	31
DL-HAL10-01	6010B	RES	Nickel	16.1	mg/Kg		16.1	J	31
DL-HAN11-01	6010B	RES	Nickel	18.9	mg/Kg		18.9	J	31
DL-HAN11-01-D	6010B	RES	Nickel	17.6	mg/Kg		17.6	J	31
DL-HAP12-01	6010B	RES	Nickel	14.2	mg/Kg		14.2	J	31
DL-BHI5-01	6010B	RES	Silver	0.78	mg/Kg		0.78	J	9,8L
DL-BHI6-01	6010B	RES	Silver	0.19	mg/Kg	U	0.19	R	9,8L
DL-BHI7-02	6010B	RES	Silver	3.1	mg/Kg		3.1	J	9,8L
DL-BHI9-01	6010B	RES	Silver	15.9	mg/Kg		15.9	J	9,8L
DL-BHI9-01D	6010B	RES	Silver	22.4	mg/Kg		22.4	J	9,8L
DL-BHJ10-01	6010B	RES	Silver	1.3	mg/Kg		1.3	J	9,8L
DL-BHJ10-02	6010B	RES	Silver	0.46	mg/Kg		0.46	J	9,8L
DL-BHJ8-01	6010B	RES	Silver	3.1	mg/Kg		3.1	J	9,8L
DL-BHJ9-01	6010B	RES	Silver	0.129	mg/Kg	U	0.129	R	9,8L
DL-HAD4-01	6010B	RES	Silver	0.48	mg/Kg		0.48	J	9,8L
DL-HAE3-01	6010B	RES	Silver	0.99	mg/Kg		0.99	J	9,8L
DL-HAE8A-01	6010B	RES	Silver	1.9	mg/Kg		1.9	J	9,8L
DL-HAE8A-02	6010B	RES	Silver	12.8	mg/Kg		12.8	J	9,8L
DL-HAJ7-01	6010B	RES	Silver	0.94	mg/Kg		0.94	J	9,8L

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAK8-01	6010B	RES	Silver	0.50	mg/Kg		0.50	J	9,8L
DL-HAL10-01	6010B	RES	Silver	0.61	mg/Kg		0.61	J	9,8L
DL-HAN11-01	6010B	RES	Silver	0.73	mg/Kg		0.73	J	9,8L
DL-HAN11-01-D	6010B	RES	Silver	0.67	mg/Kg		0.67	J	9,8L
DL-HAP12-01	6010B	RES	Silver	0.55	mg/Kg		0.55	J	9,8L
DL-BHI5-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	8L
DL-BHI6-01	6010B	RES	Thallium	0.19	mg/Kg	U	0.19	UJ	8L
DL-BHI7-02	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	8L
DL-BHI9-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	8L
DL-BHI9-01D	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	8L
DL-BHJ10-01	6010B	RES	Thallium	0.12	mg/Kg	U	0.12	UJ	8L
DL-BHJ10-02	6010B	RES	Thallium	0.12	mg/Kg	U	0.12	UJ	8L
DL-BHJ8-01	6010B	RES	Thallium	0.12	mg/Kg	U	0.12	UJ	8L
DL-BHJ9-01	6010B	RES	Thallium	0.129	mg/Kg	U	0.129	UJ	8L
DL-HAD4-01	6010B	RES	Thallium	0.12	mg/Kg	U	0.12	UJ	8L
DL-HAE3-01	6010B	RES	Thallium	0.14	mg/Kg	U	0.14	UJ	8L
DL-HAE8A-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	8L
DL-HAE8A-02	6010B	RES	Thallium	0.14	mg/Kg	U	0.14	UJ	8L
DL-HAJ7-01	6010B	RES	Thallium	0.14	mg/Kg	U	0.14	UJ	8L
DL-HAK8-01	6010B	RES	Thallium	0.60	mg/Kg		0.60	J-	8L
DL-HAL10-01	6010B	RES	Thallium	0.14	mg/Kg	U	0.14	UJ	8L
DL-HAN11-01	6010B	RES	Thallium	0.14	mg/Kg	U	0.14	UJ	8L
DL-HAN11-01-D	6010B	RES	Thallium	0.14	mg/Kg	U	0.14	UJ	8L
DL-HAP12-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	8L
DL-BHI5-01	6010B	RES	Zinc	85.9	mg/Kg		85.9	J	31
DL-BHI6-01	6010B	RES	Zinc	452	mg/Kg		452	J	31
DL-BHI7-02	6010B	RES	Zinc	282	mg/Kg		282	J	31
DL-BHI9-01	6010B	DL	Zinc	2550	mg/Kg		2550	J	31
DL-BHI9-01D	6010B	DL	Zinc	2670	mg/Kg		2670	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1652
Date Completed: July 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHJ10-01	6010B	RES	Zinc	519	mg/Kg		519	J	31
DL-BHJ10-02	6010B	RES	Zinc	39.9	mg/Kg		39.9	J	31
DL-BHJ8-01	6010B	RES	Zinc	187	mg/Kg		187	J	31
DL-BHJ9-01	6010B	RES	Zinc	927	mg/Kg		927	J	31
DL-HAD4-01	6010B	RES	Zinc	46.3	mg/Kg		46.3	J	31
DL-HAE3-01	6010B	RES	Zinc	185	mg/Kg		185	J	31
DL-HAE8A-01	6010B	RES	Zinc	599	mg/Kg		599	J	31
DL-HAE8A-02	6010B	DL	Zinc	2180	mg/Kg		2180	J	31
DL-HAJ7-01	6010B	RES	Zinc	155	mg/Kg		155	J	31
DL-HAK8-01	6010B	RES	Zinc	62.5	mg/Kg		62.5	J	31
DL-HAL10-01	6010B	RES	Zinc	59.9	mg/Kg		59.9	J	31
DL-HAN11-01	6010B	RES	Zinc	109	mg/Kg		109	J	31
DL-HAN11-01-D	6010B	RES	Zinc	100	mg/Kg		100	J	31
DL-HAP12-01	6010B	RES	Zinc	55.9	mg/Kg		55.9	J	31
DL-BHI5-01	7471A	RES	Mercury	0.065	mg/Kg		0.065	J	9,8L,31
DL-BHI6-01	7471A	RES	Mercury	0.210	mg/Kg		0.210	J	9,8L,31
DL-BHI7-02	7471A	RES	Mercury	0.793	mg/Kg		0.793	J	9,8L,31
DL-BHI9-01	7471A	RES	Mercury	0.192	mg/Kg		0.192	J	9,8L,31
DL-BHI9-01D	7471A	RES	Mercury	0.196	mg/Kg		0.196	J	9,8L,31
DL-BHJ10-01	7471A	RES	Mercury	0.073	mg/Kg		0.073	J	9,8L,31
DL-BHJ10-02	7471A	RES	Mercury	0.023	mg/Kg		0.023	J	9,8L,31
DL-BHJ8-01	7471A	RES	Mercury	0.353	mg/Kg		0.353	J	9,8L,31
DL-BHJ9-01	7471A	RES	Mercury	0.119	mg/Kg		0.119	J	9,8L,31
DL-HAD4-01	7471A	RES	Mercury	0.058	mg/Kg		0.058	J	9,8L,31
DL-HAE3-01	7471A	RES	Mercury	0.182	mg/Kg		0.182	J	9,8L,31
DL-HAE8A-01	7471A	RES	Mercury	0.093	mg/Kg		0.093	J	9,8L,31
DL-HAE8A-02	7471A	RES	Mercury	0.381	mg/Kg		0.381	J	9,8L,31
DL-HAJ7-01	7471A	RES	Mercury	0.080	mg/Kg		0.080	J	9,8L,31
DL-HAK8-01	7471A	RES	Mercury	0.068	mg/Kg		0.068	J	9,8L,31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1652
Date Completed: July 21, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAL10-01	7471A	RES	Mercury	0.043	mg/Kg		0.043	J	9,8L,31
DL-HAN11-01	7471A	RES	Mercury	0.075	mg/Kg		0.075	J	9,8L,31
DL-HAN11-01-D	7471A	RES	Mercury	0.076	mg/Kg		0.076	J	9,8L,31
DL-HAP12-01	7471A	RES	Mercury	0.046	mg/Kg		0.046	J	9,8L,31

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
31	Result qualified based on professional judgement.
31L	Result qualified based on professional judgement. Result has a low bias.

Method Blank Outlier Report

Lab Reporting Batch : X1652
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/06/2006
Preparation Type : 3010A
Preparation Date : 02/22/2006
Method Blank Lab Sample ID : PB10548BL
Preparation Batch : PB10548

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.009**	**0.100**	**mg/Kg**	**J**	

Chromium contamination found in the method blank did not qualify any samples.

Nickel	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.084**	**0.400**	**mg/Kg**	**J**	

Nickel contamination found in the method blank did not qualify any samples.

Thallium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.096**	**0.100**	**mg/Kg**	**J**	

Thallium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHJ9-01	X1652-17DL	10	2.600		mg/Kg

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/06/2006

Preparation Batch : PB10548 **Preparation Type :** 3010A **Preparation Date :** 02/22/2006

Lab Reporting Batch : X1652 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHJ9-01MS	X1652-18S	SO	Antimony	0.0		30.00	80.00	120.00	20.00
			Chromium	123.3		30.00	80.00	120.00	20.00
			Copper	-49.3		30.00	80.00	120.00	20.00
			Lead	17.8		30.00	80.00	120.00	20.00
			Nickel	70.9		30.00	80.00	120.00	20.00
			Silver	0.0		30.00	80.00	120.00	20.00
			Thallium	78.5		30.00	80.00	120.00	20.00
			Zinc	-1288		30.00	80.00	120.00	20.00
DL-BHJ9-01MSD	X1652-19SD		Antimony	0.0	37.3	30.00	80.00	120.00	20.00
			Copper	125.9		30.00	80.00	120.00	20.00
			Lead	31.6		30.00	80.00	120.00	20.00
			Nickel	69.6		30.00	80.00	120.00	20.00
			Silver	0.0	120.7	30.00	80.00	120.00	20.00
			Thallium	78.1		30.00	80.00	120.00	20.00
			Zinc	-1314		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHI5-01	X1652-11
DL-BHI6-01	X1652-12
DL-BHI6-01	X1652-12
DL-BHI6-01	X1652-12DL
DL-BHI6-01	X1652-12DL
DL-BHI7-02	X1652-13
DL-BHI9-01	X1652-15
DL-BHI9-01	X1652-15DL
DL-BHI9-01	X1652-15
DL-BHI9-01	X1652-15DL
DL-BHI9-01D	X1652-16
DL-BHI9-01D	X1652-16
DL-BHI9-01D	X1652-16DL
DL-BHI9-01D	X1652-16DL
DL-BHJ10-01	X1652-20
DL-BHJ10-02	X1652-21
DL-BHJ8-01	X1652-14
DL-BHJ9-01	X1652-17
DL-BHJ9-01	X1652-17DL
DL-BHJ9-01	X1652-17DL
DL-BHJ9-01	X1652-17
DL-HAD4-01	X1652-08
DL-HAE3-01	X1652-07
DL-HAE8A-01	X1652-09

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

DL-HAE8A-02	X1652-10
DL-HAE8A-02	X1652-10DL
DL-HAE8A-02	X1652-10
DL-HAE8A-02	X1652-10DL
DL-HAJ7-01	X1652-02
DL-HAK8-01	X1652-01
DL-HAL10-01	X1652-03
DL-HAN11-01	X1652-04
DL-HAN11-01-D	X1652-05
DL-HAP12-01	X1652-06

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7471A **Analysis Method :** 7471A **Analysis Date :** 02/23/2006

Preparation Batch : PB10556 **Preparation Type :** 7471A **Preparation Date :** 02/22/2006

Lab Reporting Batch : X1652 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHJ9-01MS	X1652-18S	SO	Mercury	65.9		30.00	89.00	118.00	20.00
DL-BHJ9-01MSD	X1652-19SD		Mercury		26.0	30.00	89.00	118.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHI5-01	X1652-11
DL-BHI6-01	X1652-12
DL-BHI7-02	X1652-13
DL-BHI9-01	X1652-15
DL-BHI9-01D	X1652-16
DL-BHJ10-01	X1652-20
DL-BHJ10-02	X1652-21
DL-BHJ8-01	X1652-14
DL-BHJ9-01	X1652-17
DL-HAD4-01	X1652-08
DL-HAE3-01	X1652-07
DL-HAE8A-01	X1652-09
DL-HAE8A-02	X1652-10
DL-HAJ7-01	X1652-02
DL-HAK8-01	X1652-01
DL-HAL10-01	X1652-03
DL-HAN11-01	X1652-04
DL-HAN11-01-D	X1652-05
DL-HAP12-01	X1652-06

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: X1652 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-BHI9-01	DL-BHI9-01D	6010B
DL-BHI9-01	DL-BHI9-01D	7471A
DL-HAN11-01	DL-HAN11-01-D	6010B
DL-HAN11-01	DL-HAN11-01-D	7471A

Method: 6010B

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual
SO	Antimony	DL-BHI9-01	RES	33.1		DL-BHI9-01D	RES	32.2		2.76 70	mg/Kg	Good	None
SO	Arsenic		RES	13.4			RES	12.8		4.58 70	mg/Kg	Good	None
SO	Beryllium		RES	0.29			RES	0.27		7.14 70	mg/Kg	Good	None
SO	Cadmium		RES	5.7			RES	6.5		13.1 70	mg/Kg	Good	None
SO	Chromium		RES	120			RES	115		4.26 70	mg/Kg	Good	None
SO	Copper		DL	878			DL	455		63.5 70	mg/Kg	Good	None
SO	Lead		DL	4100			RES	2240		58.7 70	mg/Kg	Good	None
SO	Nickel		RES	64.5			RES	52.7		20.1 70	mg/Kg	Good	None
SO	Silver		RES	15.9			RES	22.4		33.9 70	mg/Kg	Good	None
SO	Zinc		DL	2550			DL	2670		4.60 70	mg/Kg	Good	None
SO	Antimony	DL-HAN11-01	RES	3.5		DL-HAN11-01-D	RES	1.5		80.0 70	mg/Kg	Poor	J
SO	Arsenic		RES	5.6			RES	5.4		3.64 70	mg/Kg	Good	None
SO	Beryllium		RES	0.31			RES	0.29		6.67 70	mg/Kg	Good	None
SO	Chromium		RES	10.3			RES	9.4		9.14 70	mg/Kg	Good	None
SO	Copper		RES	24.2			RES	22.8		5.96 70	mg/Kg	Good	None
SO	Lead		RES	33.9			RES	31.7		6.71 70	mg/Kg	Good	None

Table 4: Field Duplicate Summary Report

Method: 6010B

		Field Sample				Field Sample Duplicate*							
Matrix	**Analyte**	**Sample ID**	**Type**	**Result**	**(Q)**	**Field Dup ID**	**Type**	**Result**	**(Q)**	**%RPD -**	**Limits**	**Units**	**Rating**	**Qual**
SO	Nickel	DL-HAN11-01	RES	18.9		DL-HAN11-01-D	RES	17.6		7.12	70	mg/Kg	Good	None
SO	Silver		RES	0.73			RES	0.67		8.57	70	mg/Kg	Good	None
SO	Zinc		RES	109			RES	100		8.61	70	mg/Kg	Good	None

Method: 7471A

		Field Sample				Field Sample Duplicate*							
Matrix	**Analyte**	**Sample ID**	**Type**	**Result**	**(Q)**	**Field Dup ID**	**Type**	**Result**	**(Q)**	**%RPD -**	**Limits**	**Units**	**Rating**	**Qual**
SO	Mercury	DL-BHI9-01	RES	0.192		DL-BHI9-01D	RES	0.196		2.06	70	mg/Kg	Good	None
SO	Mercury	DL-HAN11-01	RES	0.075		DL-HAN11-01-D	RES	0.076		1.32	70	mg/Kg	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1653
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected. Trip Blank not required.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	Yes – Beryllium RL not adjusted for percent moisture.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Several samples analyzed at dilution based on the concentration of metals/mercury detected. Sample DL-BHI11-01 analyzed at dilution for copper and zinc due to matrix interference.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1653
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	No
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	No
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	NA
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	NA
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No - See MS/MSD Outlier Report. Antimony not recovered from MS/MSD or post spike. Non-detect values "R" flagged. Silver MS/MSD recovers <30%. Non-detect values "R" flagged 4x rule applied to Zn
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	Yes
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Several samples analyzed at dilution based on the concentration of metals/mercury detected. Sample DL-BHI11-01 analyzed at dilution for copper and zinc due to matrix interference.
Do field duplicate results show good precision for all compounds except TICs?	Yes – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1653
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	NA
GC/MS	Does initial calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC/MS	For TICs are there any system related compounds that should not be reported?	NA
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – As and Be results qualified UJ/J.
GC	Does initial calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC	Does continuing calibration meet criteria for all positive target compounds?	NA
	Is the minimum response factor must be met for all compounds?	NA
GC	Did the retention time window summary form (if present) indicate any non-compliance?	NA
GC	Were all positive target compounds confirmed on a second column?	NA
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	No

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1653
Date Completed: 4/24/2006	Data Validation Chemist: B. Krajewski

Summary of Potential Impacts on Data Usability
Major Concerns
Antimony not recovered from MS/MSD/Post Spike. Silver MS/MSD recoveries <30%. Non-detect results flagged "R".
Minor Concerns
Matrix interferences evident. Dilutions necessary due to concentrations of metals present and to eliminate interferences. As and Be metals results qualified UJ/J based on serial dilution.

Key:

ADR	=	Automated Data Review
AP	=	Acid Phenol
BN	=	Base Neutral
CCV	=	Continuing calibration verification
COC	=	Chain-of-custody
CVAA	=	Cold Vapor Automatic Absorption
GC	=	Gas Chromatography
GC/MS	=	Gas Chromatography/Mass Spectrometry
ICP	=	Inductively Coupled Plasma Argon Spectrometry
ICS	=	Interference check standard
ICV	=	Initial calibration verification
NA	=	Not Applicable
LCS	=	Laboratory Control Sample
MS/MSD	=	Matrix Spike/Matrix Spike Duplicate
QAPP	=	Quality Assurance Project Plan
QC	=	Quality Control
SD	=	Serial Dilution
SVOCs	=	Semivolatile Organic Compounds
TIC	=	Tentatively Identified Compound
VOCs	=	Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1653
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1653	02/22/2006 10:25

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHK13-01	SO	X1653-17	02/21/2006 09:12	
DL-BHE12-01	SO	X1653-11	02/20/2006 14:10	
DL-BHE13-01	SO	X1653-09	02/20/2006 15:20	
DL-BHF12-01	SO	X1653-07	02/20/2006 14:40	
DL-BHF13-01	SO	X1653-10	02/20/2006 15:00	
DL-BHF4A-01	SO	X1653-08	02/20/2006 11:25	
DL-BHG10-01	SO	X1653-12	02/20/2006 12:04	
DL-BHH10-01	SO	X1653-06	02/20/2006 13:25	
DL-BHI11-01	SO	X1653-13	02/20/2006 10:20	
DL-BHC14-01	SO	X1653-14	02/20/2006 16:02	
DL-BHJ13-01-D	SO	X1653-16	02/21/2006 08:15	
DL-HAE9-01	SO	X1653-01	02/17/2006 11:41	
DL-BHL13-01	SO	X1653-18	02/21/2006 09:30	
DL-BHL14-01	SO	X1653-19	02/21/2006 10:05	
DL-BHL14-01DUP	SO	X1653-19D	02/21/2006 10:05	DUP
DL-BHL14-01MS	SO	X1653-20S	02/21/2006 10:05	MS
DL-BHL14-01MSD	SO	X1653-21SD	02/21/2006 10:05	MSD
DL-HAB15-01	SO	X1653-04	02/17/2006 12:30	
DL-HAC13-01	SO	X1653-03	02/17/2006 12:20	
DL-HAC13-02	SO	X1653-05	02/17/2006 12:22	
DL-HAE11-01	SO	X1653-02	02/17/2006 11:59	
DL-BHJ13-01	SO	X1653-15	02/21/2006 08:15	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	19
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	19

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1653
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHC14-01	6010B	RES	Antimony	4.7	mg/Kg		4.7	J-	8L
DL-BHC14-01	6010B	RES	Arsenic	2.9	mg/Kg		2.9	J	31
DL-BHC14-01	6010B	RES	Beryllium	0.13	mg/Kg		0.13	J	31
DL-BHC14-01	6010B	RES	Nickel	10.0	mg/Kg		10.0	J-	8L
DL-BHC14-01	6010B	RES	Silver	0.88	mg/Kg		0.88	J	9,8L
DL-BHE12-01	6010B	RES	Antimony	3.0	mg/Kg		3.0	J-	8L
DL-BHE12-01	6010B	RES	Arsenic	2.2	mg/Kg		2.2	J	31
DL-BHE12-01	6010B	RES	Beryllium	0.31	mg/Kg		0.31	J	31
DL-BHE12-01	6010B	RES	Nickel	17.1	mg/Kg		17.1	J-	8L
DL-BHE12-01	6010B	RES	Silver	0.42	mg/Kg		0.42	J	9,8L
DL-BHE13-01	6010B	RES	Antimony	46.3	mg/Kg		46.3	J-	8L
DL-BHE13-01	6010B	RES	Arsenic	25.7	mg/Kg		25.7	J	31
DL-BHE13-01	6010B	RES	Beryllium	0.24	mg/Kg		0.24	J	31
DL-BHE13-01	6010B	RES	Nickel	22.8	mg/Kg		22.8	J-	8L
DL-BHE13-01	6010B	RES	Silver	1.6	mg/Kg		1.6	J	9,8L
DL-BHF12-01	6010B	RES	Antimony	409	mg/Kg		409	J-	8L
DL-BHF12-01	6010B	RES	Arsenic	27.5	mg/Kg		27.5	J	31
DL-BHF12-01	6010B	RES	Beryllium	0.30	mg/Kg		0.30	J	31
DL-BHF12-01	6010B	RES	Nickel	27.9	mg/Kg		27.9	J-	8L
DL-BHF12-01	6010B	RES	Silver	2.0	mg/Kg		2.0	J	9,8L
DL-BHF13-01	6010B	RES	Antimony	14.0	mg/Kg		14.0	J-	8L
DL-BHF13-01	6010B	RES	Arsenic	6.1	mg/Kg		6.1	J	31
DL-BHF13-01	6010B	RES	Beryllium	0.42	mg/Kg		0.42	J	31
DL-BHF13-01	6010B	RES	Nickel	16.6	mg/Kg		16.6	J-	8L
DL-BHF13-01	6010B	RES	Silver	0.69	mg/Kg		0.69	J	9,8L
DL-BHF4A-01	6010B	RES	Antimony	61.9	mg/Kg		61.9	J-	8L
DL-BHF4A-01	6010B	RES	Arsenic	16.3	mg/Kg		16.3	J	31
DL-BHF4A-01	6010B	RES	Beryllium	0.09	mg/Kg		0.09	J	31
DL-BHF4A-01	6010B	RES	Nickel	66.3	mg/Kg		66.3	J-	8L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1653
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHF4A-01	6010B	RES	Silver	3.8	mg/Kg		3.8	J	9,8L
DL-BHG10-01	6010B	RES	Antimony	3.2	mg/Kg		3.2	J-	8L
DL-BHG10-01	6010B	RES	Arsenic	3.1	mg/Kg		3.1	J	31
DL-BHG10-01	6010B	RES	Beryllium	0.16	mg/Kg		0.16	J	31
DL-BHG10-01	6010B	RES	Nickel	9.1	mg/Kg		9.1	J-	8L
DL-BHG10-01	6010B	RES	Silver	0.77	mg/Kg		0.77	J	9,8L
DL-BHH10-01	6010B	RES	Antimony	0.69	mg/Kg	U	0.69	R	8L
DL-BHH10-01	6010B	RES	Arsenic	2.1	mg/Kg		2.1	J	31
DL-BHH10-01	6010B	RES	Nickel	7.1	mg/Kg		7.1	J-	8L
DL-BHH10-01	6010B	RES	Silver	0.97	mg/Kg		0.97	J	9,8L
DL-BHI11-01	6010B	RES	Antimony	36.0	mg/Kg		36.0	J-	8L
DL-BHI11-01	6010B	RES	Arsenic	12.9	mg/Kg		12.9	J	31
DL-BHI11-01	6010B	RES	Beryllium	0.19	mg/Kg		0.19	J	31
DL-BHI11-01	6010B	RES	Nickel	42.4	mg/Kg		42.4	J-	8L
DL-BHI11-01	6010B	RES	Silver	7.8	mg/Kg		7.8	J	9,8L
DL-BHJ13-01	6010B	RES	Antimony	9.0	mg/Kg		9.0	J-	8L
DL-BHJ13-01	6010B	RES	Arsenic	5.5	mg/Kg		5.5	J	31
DL-BHJ13-01	6010B	RES	Beryllium	0.44	mg/Kg		0.44	J	31
DL-BHJ13-01	6010B	RES	Nickel	18.8	mg/Kg		18.8	J-	8L
DL-BHJ13-01	6010B	RES	Silver	0.76	mg/Kg		0.76	J	9,8L
DL-BHJ13-01-D	6010B	RES	Antimony	5.9	mg/Kg		5.9	J-	8L
DL-BHJ13-01-D	6010B	RES	Arsenic	5.7	mg/Kg		5.7	J	31
DL-BHJ13-01-D	6010B	RES	Beryllium	0.45	mg/Kg		0.45	J	31
DL-BHJ13-01-D	6010B	RES	Nickel	19.5	mg/Kg		19.5	J-	8L
DL-BHJ13-01-D	6010B	RES	Silver	0.79	mg/Kg		0.79	J	9,8L
DL-BHK13-01	6010B	RES	Antimony	3.2	mg/Kg		3.2	J-	8L
DL-BHK13-01	6010B	RES	Arsenic	4.7	mg/Kg		4.7	J	31
DL-BHK13-01	6010B	RES	Beryllium	0.34	mg/Kg		0.34	J	31
DL-BHK13-01	6010B	RES	Nickel	18.8	mg/Kg		18.8	J-	8L

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHK13-01	6010B	RES	Silver	0.63	mg/Kg		0.63	J	9,8L
DL-BHL13-01	6010B	RES	Antimony	8.3	mg/Kg		8.3	J-	8L
DL-BHL13-01	6010B	RES	Arsenic	5.0	mg/Kg		5.0	J	31
DL-BHL13-01	6010B	RES	Beryllium	0.39	mg/Kg		0.39	J	31
DL-BHL13-01	6010B	RES	Nickel	20.0	mg/Kg		20.0	J-	8L
DL-BHL13-01	6010B	RES	Silver	0.68	mg/Kg		0.68	J	9,8L
DL-BHL14-01	6010B	RES	Antimony	0.733	mg/Kg	U	0.733	R	8L
DL-BHL14-01	6010B	RES	Arsenic	4.340	mg/Kg		4.340	J	31
DL-BHL14-01	6010B	RES	Beryllium	0.407	mg/Kg		0.407	J	31
DL-BHL14-01	6010B	RES	Nickel	22.7	mg/Kg		22.7	J-	8L
DL-BHL14-01	6010B	RES	Silver	0.122	mg/Kg	U	0.122	R	9,8L
DL-HAB15-01	6010B	RES	Antimony	7.6	mg/Kg		7.6	J-	8L
DL-HAB15-01	6010B	RES	Arsenic	5.8	mg/Kg		5.8	J	31
DL-HAB15-01	6010B	RES	Beryllium	0.33	mg/Kg		0.33	J	31
DL-HAB15-01	6010B	RES	Nickel	18.3	mg/Kg		18.3	J-	8L
DL-HAB15-01	6010B	RES	Silver	0.72	mg/Kg		0.72	J	9,8L
DL-HAC13-01	6010B	RES	Antimony	10.9	mg/Kg		10.9	J-	8L
DL-HAC13-01	6010B	RES	Arsenic	37.4	mg/Kg		37.4	J	31
DL-HAC13-01	6010B	RES	Beryllium	0.48	mg/Kg		0.48	J	31
DL-HAC13-01	6010B	RES	Nickel	18.7	mg/Kg		18.7	J-	8L
DL-HAC13-01	6010B	RES	Silver	2.4	mg/Kg		2.4	J	9,8L
DL-HAC13-02	6010B	RES	Antimony	96.2	mg/Kg		96.2	J-	8L
DL-HAC13-02	6010B	RES	Arsenic	17.1	mg/Kg		17.1	J	31
DL-HAC13-02	6010B	RES	Beryllium	0.38	mg/Kg		0.38	J	31
DL-HAC13-02	6010B	RES	Nickel	23.9	mg/Kg		23.9	J-	8L
DL-HAC13-02	6010B	RES	Silver	6.3	mg/Kg		6.3	J	9,8L
DL-HAE11-01	6010B	RES	Antimony	4.2	mg/Kg		4.2	J-	8L
DL-HAE11-01	6010B	RES	Arsenic	5.1	mg/Kg		5.1	J	31
DL-HAE11-01	6010B	RES	Beryllium	0.28	mg/Kg		0.28	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1653
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-HAE11-01	6010B	RES	Nickel	14.7	mg/Kg		14.7	J-	8L
DL-HAE11-01	6010B	RES	Silver	0.62	mg/Kg		0.62	J	9,8L
DL-HAE9-01	6010B	RES	Antimony	4.7	mg/Kg		4.7	J-	8L
DL-HAE9-01	6010B	RES	Arsenic	5.0	mg/Kg		5.0	J	31
DL-HAE9-01	6010B	RES	Beryllium	0.32	mg/Kg		0.32	J	31
DL-HAE9-01	6010B	RES	Nickel	17.3	mg/Kg		17.3	J-	8L
DL-HAE9-01	6010B	RES	Silver	0.68	mg/Kg		0.68	J	9,8L

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
31	Result qualified based on professional judgement.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/06/2006

Preparation Batch : PB10560 **Preparation Type :** 3010A **Preparation Date :** 02/23/2006

Lab Reporting Batch : X1653 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHL14-01MS	X1653-20S	SO	Antimony	0.0		30.00	80.00	120.00	20.00
			Nickel	77.0		30.00	80.00	120.00	20.00
			Silver	28.0		30.00	80.00	120.00	20.00
			Zinc	-61.9		30.00	80.00	120.00	20.00
DL-BHL14-01MSD	X1653-21SD		Antimony	0.0		30.00	80.00	120.00	20.00
			Silver	17.0	48.8	30.00	80.00	120.00	20.00
			Zinc	-27.5		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHC14-01	X1653-14
DL-BHE12-01	X1653-11
DL-BHE13-01	X1653-09
DL-BHE13-01	X1653-09
DL-BHE13-01	X1653-09DL
DL-BHE13-01	X1653-09DL
DL-BHF12-01	X1653-07
DL-BHF12-01	X1653-07DL
DL-BHF12-01	X1653-07
DL-BHF12-01	X1653-07DL
DL-BHF13-01	X1653-10
DL-BHF4A-01	X1653-08
DL-BHF4A-01	X1653-08
DL-BHF4A-01	X1653-08DL
DL-BHF4A-01	X1653-08DL
DL-BHG10-01	X1653-12
DL-BHH10-01	X1653-06
DL-BHI11-01	X1653-13
DL-BHI11-01	X1653-13DL
DL-BHI11-01	X1653-13DL
DL-BHI11-01	X1653-13
DL-BHJ13-01	X1653-15
DL-BHJ13-01-D	X1653-16
DL-BHK13-01	X1653-17
DL-BHL13-01	X1653-18
DL-BHL14-01	X1653-19
DL-HAB15-01	X1653-04
DL-HAC13-01	X1653-03
DL-HAC13-02	X1653-05
DL-HAC13-02	X1653-05
DL-HAC13-02	X1653-05DL
DL-HAC13-02	X1653-05DL

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

DL-HAE11-01	X1653-02
DL-HAE9-01	X1653-01

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: X1653 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-BHJ13-01	DL-BHJ13-01-D	6010B
DL-BHJ13-01	DL-BHJ13-01-D	7471A

Method: 6010B

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual
SO	Antimony	DL-BHJ13-01	RES	9.0		DL-BHJ13-01-D	RES	5.9		41.6 70	mg/Kg	Good	None
SO	Arsenic		RES	5.5			RES	5.7		3.57 70	mg/Kg	Good	None
SO	Beryllium		RES	0.44			RES	0.45		2.25 70	mg/Kg	Good	None
SO	Chromium		RES	11.2			RES	11.6		3.51 70	mg/Kg	Good	None
SO	Copper		RES	17.1			RES	18.4		7.32 70	mg/Kg	Good	None
SO	Lead		RES	13.8			RES	19.2		32.7 70	mg/Kg	Good	None
SO	Nickel		RES	18.8			RES	19.5		3.66 70	mg/Kg	Good	None
SO	Silver		RES	0.76			RES	0.79		3.87 70	mg/Kg	Good	None
SO	Zinc		RES	45.0			RES	49.2		8.92 70	mg/Kg	Good	None

Method: 7471A

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual
SO	Mercury	DL-BHJ13-01	RES	0.052		DL-BHJ13-01-D	RES	0.048		8.00 70	mg/Kg	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1666
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes – Trip blank not listed on COC included in report.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate not collected. Trip Blank provided.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes – MS/MSD designated for PP metals only and no additional volume provided for MS/MSD of other parameters. No data qualified based on results of batch MS/MSD reported.
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Elevated RLs reported for several parameters. Beryllium RL not adjusted for percent moisture.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Both volatile samples reanalyzed based on surrogate recoveries and IS responses. Initial volatile analysis reported. Both SVOC samples reanalyzed based on IS responses. Initial of DL-MWK9-01 reported. Reanalysis of DL-BHI10-01 reported. Both samples analyzed at dilutions for

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1666
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

Completeness Review - General Sample and Batch Information - See Attachment 1	
	metals based on levels present and to eliminate matrix interferences.

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes - See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes - See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	Yes
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	No - See Surrogate Outlier Report Volatile samples reanalyzed and similar surrogate recoveries obtained, indicating matrix effect.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No- See MS/MSD Outlier Report. 4x rule applied to Al, Ba, Ca, Fe, Mg, Mn, K and Zn. Silver not recovered from MS/MSD. Antimony not recovered from MS/MSD/Post Spike. Non-detect results qualified "R".
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No - See LCS Outlier Report. Limits applied by lab differ from library. Based on lab limits, 2-butanone qualified UJ for trip blank sample.
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1666
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Do field duplicate results show good precision for all compounds except TICs?	NA

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	No VOCs – Response low for both volatile samples. Responses for reanalysis similar. Matrix effect indicated. SVOCS - Perlyene-d12 low for both samples, Phenanthrene-d12 low for DL-BHI10-01. Perylene-d12 low for reanalyses. Matrix effect indicated.
GC/MS	Does initial calibration meet criteria for all positive target compounds?	No – Bromomethane >30%
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No – Chloroethane, acetone, carbon disulfide, methyl acetate and 1,2,4-trichlorobenzene >25%D
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – Al, As, Be, Cd, Fe, Pb, Tl, K, and Zn results qualified UJ/J.
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1666
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC	Were all positive target compounds confirmed on a second column?	Yes
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	No

Summary of Potential Impacts on Data Usability
Major Concerns
Silver not recovered from MS/MSD. Antimony nor recovered from MS/MSD/Post Spike Non-detect results flagged "R".
Minor Concerns
Aroclor 1254 value reported for sample DL-MWK9-01 reported in hardcopy did not match EDD value. Value was recalculated from raw data provided and hardcopy value determined to be correct. Several metals flagged UJ/J based on serial dilution results. Surrogate/IS results indicate matrix effects for VOC and SVOC analysis. UJ/J qualifiers applied.

Key:

ADR = Automated Data Review
AP = Acid Phenol
BN = Base Neutral
CCV = Continuing calibration verification
COC = Chain-of-custody
CVAA = Cold Vapor Automatic Absorption
GC = Gas Chromatography
GC/MS = Gas Chromatography/Mass Spectrometry
ICP = Inductively Coupled Plasma Argon Spectrometry
ICS = Interference check standard
ICV = Initial calibration verification
NA = Not Applicable
LCS = Laboratory Control Sample
MS/MSD = Matrix Spike/Matrix Spike Duplicate
QAPP = Quality Assurance Project Plan
QC = Quality Control
SD = Serial Dilution
SVOCs = Semivolatile Organic Compounds
TIC = Tentatively Identified Compound
VOCs = Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1666
Date Completed: April 25, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1666	02/23/2006 10:15

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHM13-01DUP	SO	X1666-10D	02/22/2006 10:50	DUP
DL-BHI12-01	SO	X1666-15	02/22/2006 13:40	
DL-BHI13-01	SO	X1666-14	02/22/2006 13:05	
DL-BHL10-01	SO	X1666-04	02/22/2006 08:30	
DL-BHL11-01	SO	X1666-05	02/22/2006 08:55	
DL-BHL12-01	SO	X1666-13	02/22/2006 11:02	
DL-BHL9-01	SO	X1666-03	02/22/2006 08:08	
DL-BHI10-01	SO	X1666-16	02/22/2006 14:10	
DL-BHM13-01	SO	X1666-10	02/22/2006 10:50	
TRIPBLANK	AQ	X1666-02	02/22/2006 17:05	
DL-BHM13-01MS	SO	X1666-11S	02/22/2006 10:50	MS
DL-BHM13-01MSD	SO	X1666-12SD	02/22/2006 10:50	MSD
DL-BHN12-01	SO	X1666-07	02/22/2006 09:55	
DL-BHN13-01	SO	X1666-09	02/22/2006 10:33	
DL-BHO12-01	SO	X1666-08	02/22/2006 10:17	
DL-MWK9-01	SO	X1666-01	02/21/2006 11:50	
DL-BHM11-01	SO	X1666-06	02/22/2006 09:25	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	8260B	Volatile Organic Compounds by GC/MS	1
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	13
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	13
SO	8081B	Organochlorine Pesticides by GC using ECD	2
SO	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	2
SO	8260B	Volatile Organic Compounds by GC/MS	2
SO	8270C	Semi-Volatile Organic Compounds by GC/MS	2

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1666
Date Completed: April 25, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI10-01	8260B	RES	1,1,1-Trichloroethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,1,2,2-Tetrachloroethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,1,2-Trichloroethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,1,2-Trichlorotrifluoroethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,1-Dichloroethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,1-Dichloroethene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,2,4-Trichlorobenzene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,2-Dibromo-3-Chloropropane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,2-Dibromoethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,2-Dichlorobenzene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,2-Dichloroethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,2-Dichloropropane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,3-Dichlorobenzene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	1,4-Dichlorobenzene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	2-Butanone	190	ug/Kg		190	J	7L,27
DL-BHI10-01	8260B	RES	2-Hexanone	20	ug/Kg	U	20	UJ	27L,7L
DL-BHI10-01	8260B	RES	4-Methyl-2-Pentanone	20	ug/Kg	U	20	UJ	27L,7L
DL-BHI10-01	8260B	RES	Acetone	350	ug/Kg		350	J	7L,27
DL-BHI10-01	6010B	RES	Aluminum	2400	mg/Kg		2400	J	31
DL-BHI10-01	6010B	RES	Antimony	7.4	mg/Kg		7.4	J	9,8L
DL-BHI10-01	6010B	RES	Arsenic	2.6	mg/Kg		2.6	J	31
DL-BHI10-01	8270C	RE	Benzo(a)pyrene	510	ug/Kg		510	J	27
DL-BHI10-01	8270C	RE	Benzo(b)fluoranthene	690	ug/Kg		690	J	27
DL-BHI10-01	8270C	RE	Benzo(k)fluoranthene	390	ug/Kg		390	J	27
DL-BHI10-01	6010B	RES	Beryllium	0.18	mg/Kg		0.18	J	31
DL-BHI10-01	8260B	RES	Bromodichloromethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Bromoform	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Bromomethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1666
Date Completed: April 25, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI10-01	8260B	RES	Carbon Tetrachloride	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Chlorobenzene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Chloroethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Chloroform	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Chloromethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	cis-1,2-Dichloroethene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	cis-1,3-Dichloropropene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	6010B	RES	Cobalt	2.4	mg/Kg		2.4	J-	8L
DL-BHI10-01	6010B	RES	Copper	12.4	mg/Kg		12.4	J-	8L
DL-BHI10-01	8270C	RE	Dibenz(a,h)anthracene	370	ug/Kg	U	370	UJ	27L
DL-BHI10-01	8260B	RES	Dibromochloromethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Dichlorodifluoromethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8270C	RE	Di-n-octyl phthalate	370	ug/Kg	U	370	UJ	27L
DL-BHI10-01	8260B	RES	Ethyl Benzene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	6010B	RES	Iron	11100	mg/Kg		11100	J	31
DL-BHI10-01	8260B	RES	Isopropylbenzene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	6010B	RES	Lead	24.9	mg/Kg		24.9	J	31
DL-BHI10-01	8260B	RES	Methyl Acetate	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Methyl tert-butyl Ether	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Methylcyclohexane	5.7	ug/Kg		5.7	J	7L,27
DL-BHI10-01	8260B	RES	Methylene Chloride	1.6	ug/Kg	J	4.0	UJ	32,12,6,27
DL-BHI10-01	6010B	RES	Nickel	5.6	mg/Kg		5.6	J-	8L
DL-BHI10-01	6010B	RES	Potassium	632	mg/Kg		632	J	31
DL-BHI10-01	6010B	RES	Silver	0.63	mg/Kg		0.63	J	9,8L
DL-BHI10-01	6010B	RES	Sodium	355	mg/Kg		355	J+	8H
DL-BHI10-01	8260B	RES	Styrene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	t-1,3-Dichloropropene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Tetrachloroethene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	6010B	RES	Thallium	1.6	mg/Kg		1.6	J	26,31

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Laboratory: CCGE	Lab SDG ID: X1666
Date Completed: April 25, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI10-01	8260B	RES	trans-1,2-Dichloroethene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Trichloroethene	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	8260B	RES	Trichlorofluoromethane	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI10-01	6010B	RES	Vanadium	14.5	mg/Kg		14.5	J-	8L
DL-BHI10-01	8260B	RES	Vinyl chloride	4.0	ug/Kg	U	4.0	UJ	27L,7L
DL-BHI12-01	6010B	RES	Arsenic	5.6	mg/Kg		5.6	J	31
DL-BHI12-01	6010B	RES	Beryllium	0.26	mg/Kg		0.26	J	31
DL-BHI12-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHI12-01	6010B	RES	Copper	20.0	mg/Kg		20.0	J-	8L
DL-BHI12-01	6010B	RES	Lead	35.0	mg/Kg		35.0	J	31
DL-BHI12-01	6010B	RES	Nickel	7.5	mg/Kg		7.5	J-	8L
DL-BHI12-01	6010B	RES	Silver	0.43	mg/Kg		0.43	J	9,8L
DL-BHI12-01	6010B	RES	Thallium	0.12	mg/Kg	U	0.12	UJ	31L,26
DL-BHI13-01	6010B	RES	Antimony	21.0	mg/Kg		21.0	J	9,8L
DL-BHI13-01	6010B	RES	Arsenic	16.0	mg/Kg		16.0	J	31
DL-BHI13-01	6010B	RES	Beryllium	0.15	mg/Kg		0.15	J	31
DL-BHI13-01	6010B	RES	Cadmium	6.7	mg/Kg		6.7	J	31
DL-BHI13-01	6010B	RES	Copper	131	mg/Kg		131	J-	8L
DL-BHI13-01	6010B	RES	Lead	140	mg/Kg		140	J	31
DL-BHI13-01	6010B	RES	Nickel	33.4	mg/Kg		33.4	J-	8L
DL-BHI13-01	6010B	RES	Silver	0.15	mg/Kg	U	0.15	R	9,8L
DL-BHI13-01	6010B	RES	Thallium	0.15	mg/Kg	U	0.15	UJ	31L,26
DL-BHL10-01	6010B	RES	Antimony	7.0	mg/Kg		7.0	J	9,8L
DL-BHL10-01	6010B	RES	Arsenic	5.7	mg/Kg		5.7	J	31
DL-BHL10-01	6010B	RES	Beryllium	0.33	mg/Kg		0.33	J	31
DL-BHL10-01	6010B	RES	Cadmium	0.10	mg/Kg		0.10	J	31
DL-BHL10-01	6010B	RES	Copper	52.5	mg/Kg		52.5	J-	8L
DL-BHL10-01	6010B	RES	Lead	296	mg/Kg		296	J	31
DL-BHL10-01	6010B	RES	Nickel	18.3	mg/Kg		18.3	J-	8L

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHL10-01	6010B	RES	Silver	1.7	mg/Kg		1.7	J	9,8L
DL-BHL10-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	31L,26
DL-BHL11-01	6010B	RES	Antimony	0.83	mg/Kg	U	0.83	R	9,8L
DL-BHL11-01	6010B	RES	Arsenic	4.7	mg/Kg		4.7	J	31
DL-BHL11-01	6010B	RES	Beryllium	0.24	mg/Kg		0.24	J	31
DL-BHL11-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-BHL11-01	6010B	RES	Copper	36.4	mg/Kg		36.4	J-	8L
DL-BHL11-01	6010B	RES	Lead	200	mg/Kg		200	J	31
DL-BHL11-01	6010B	RES	Nickel	21.7	mg/Kg		21.7	J-	8L
DL-BHL11-01	6010B	RES	Silver	3.2	mg/Kg		3.2	J	9,8L
DL-BHL11-01	6010B	RES	Thallium	0.14	mg/Kg	U	0.14	UJ	31L,26
DL-BHL12-01	6010B	RES	Antimony	0.77	mg/Kg	U	0.77	R	9,8L
DL-BHL12-01	6010B	RES	Arsenic	3.8	mg/Kg		3.8	J	31
DL-BHL12-01	6010B	RES	Beryllium	0.29	mg/Kg		0.29	J	31
DL-BHL12-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHL12-01	6010B	RES	Copper	13.4	mg/Kg		13.4	J-	8L
DL-BHL12-01	6010B	RES	Lead	9.9	mg/Kg		9.9	J	31
DL-BHL12-01	6010B	RES	Nickel	15.0	mg/Kg		15.0	J-	8L
DL-BHL12-01	6010B	RES	Silver	0.54	mg/Kg		0.54	J	9,8L
DL-BHL12-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	31L,26
DL-BHL9-01	6010B	RES	Antimony	9.6	mg/Kg		9.6	J	9,8L
DL-BHL9-01	6010B	RES	Arsenic	5.1	mg/Kg		5.1	J	31
DL-BHL9-01	6010B	RES	Beryllium	0.34	mg/Kg		0.34	J	31
DL-BHL9-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-BHL9-01	6010B	RES	Copper	31.9	mg/Kg		31.9	J-	8L
DL-BHL9-01	6010B	RES	Lead	25.6	mg/Kg		25.6	J	31
DL-BHL9-01	6010B	RES	Nickel	19.5	mg/Kg		19.5	J-	8L
DL-BHL9-01	6010B	RES	Silver	1.1	mg/Kg		1.1	J	9,8L
DL-BHL9-01	6010B	RES	Thallium	3.6	mg/Kg		3.6	J	26,31

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHM11-01	6010B	RES	Arsenic	5.0	mg/Kg		5.0	J	31
DL-BHM11-01	6010B	RES	Beryllium	0.36	mg/Kg		0.36	J	31
DL-BHM11-01	6010B	RES	Cadmium	0.07	mg/Kg	U	0.07	UJ	31L
DL-BHM11-01	6010B	RES	Copper	17.7	mg/Kg		17.7	J-	8L
DL-BHM11-01	6010B	RES	Lead	37.4	mg/Kg		37.4	J	31
DL-BHM11-01	6010B	RES	Nickel	19.7	mg/Kg		19.7	J-	8L
DL-BHM11-01	6010B	RES	Silver	0.70	mg/Kg		0.70	J	9,8L
DL-BHM11-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	31L,26
DL-BHM13-01	6010B	RES	Antimony	0.796	mg/Kg	U	0.796	R	9,8L
DL-BHM13-01	6010B	RES	Arsenic	5.040	mg/Kg		5.040	J	31
DL-BHM13-01	6010B	RES	Beryllium	0.466	mg/Kg		0.466	J	31
DL-BHM13-01	6010B	RES	Cadmium	0.536	mg/Kg		0.536	J	31
DL-BHM13-01	6010B	RES	Copper	29.0	mg/Kg		29.0	J-	8L
DL-BHM13-01	6010B	RES	Lead	16.7	mg/Kg		16.7	J	31
DL-BHM13-01	6010B	RES	Nickel	26.1	mg/Kg		26.1	J-	8L
DL-BHM13-01	6010B	RES	Silver	0.133	mg/Kg	U	0.133	R	9,8L
DL-BHM13-01	6010B	RES	Thallium	0.580	mg/Kg		0.580	J	26,31
DL-BHN12-01	6010B	RES	Antimony	0.77	mg/Kg	U	0.77	R	9,8L
DL-BHN12-01	6010B	RES	Arsenic	4.4	mg/Kg		4.4	J	31
DL-BHN12-01	6010B	RES	Beryllium	0.29	mg/Kg		0.29	J	31
DL-BHN12-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHN12-01	6010B	RES	Copper	15.6	mg/Kg		15.6	J-	8L
DL-BHN12-01	6010B	RES	Lead	98.3	mg/Kg		98.3	J	31
DL-BHN12-01	6010B	RES	Nickel	14.7	mg/Kg		14.7	J-	8L
DL-BHN12-01	6010B	RES	Silver	0.56	mg/Kg		0.56	J	9,8L
DL-BHN12-01	6010B	RES	Thallium	0.13	mg/Kg	U	0.13	UJ	31L,26
DL-BHN13-01	6010B	RES	Antimony	1.3	mg/Kg		1.3	J	9,8L
DL-BHN13-01	6010B	RES	Arsenic	4.4	mg/Kg		4.4	J	31
DL-BHN13-01	6010B	RES	Beryllium	0.29	mg/Kg		0.29	J	31

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHN13-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHN13-01	6010B	RES	Copper	14.6	mg/Kg		14.6	J-	8L
DL-BHN13-01	6010B	RES	Lead	12.6	mg/Kg		12.6	J	31
DL-BHN13-01	6010B	RES	Nickel	15.7	mg/Kg		15.7	J-	8L
DL-BHN13-01	6010B	RES	Silver	0.57	mg/Kg		0.57	J	9,8L
DL-BHN13-01	6010B	RES	Thallium	0.12	mg/Kg	U	0.12	UJ	31L,26
DL-BHO12-01	6010B	RES	Antimony	0.69	mg/Kg	U	0.69	R	9,8L
DL-BHO12-01	6010B	RES	Arsenic	3.5	mg/Kg		3.5	J	31
DL-BHO12-01	6010B	RES	Beryllium	0.20	mg/Kg		0.20	J	31
DL-BHO12-01	6010B	RES	Cadmium	0.06	mg/Kg	U	0.06	UJ	31L
DL-BHO12-01	6010B	RES	Copper	11.3	mg/Kg		11.3	J-	8L
DL-BHO12-01	6010B	RES	Lead	16.8	mg/Kg		16.8	J	31
DL-BHO12-01	6010B	RES	Nickel	9.7	mg/Kg		9.7	J-	8L
DL-BHO12-01	6010B	RES	Silver	0.39	mg/Kg		0.39	J	9,8L
DL-BHO12-01	6010B	RES	Thallium	0.12	mg/Kg	U	0.12	UJ	31L,26
DL-MWK9-01	8260B	RES	1,1,1-Trichloroethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,1,2,2-Tetrachloroethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,1,2-Trichloroethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,1,2-Trichlorotrifluoroethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,1-Dichloroethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,1-Dichloroethene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,2,4-Trichlorobenzene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,2-Dibromo-3-Chloropropane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,2-Dibromoethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,2-Dichlorobenzene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,2-Dichloroethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,2-Dichloropropane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,3-Dichlorobenzene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	1,4-Dichlorobenzene	5.9	ug/Kg	U	5.9	UJ	27L,7L

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWK9-01	8260B	RES	2-Butanone	30	ug/Kg	U	30	UJ	27L,7L
DL-MWK9-01	8260B	RES	2-Hexanone	30	ug/Kg	U	30	UJ	27L,7L
DL-MWK9-01	8260B	RES	4-Methyl-2-Pentanone	30	ug/Kg	U	30	UJ	27L,7L
DL-MWK9-01	8260B	RES	Acetone	30	ug/Kg	U	30	UJ	27L,7L
DL-MWK9-01	6010B	RES	Aluminum	8550	mg/Kg		8550	J	31
DL-MWK9-01	6010B	RES	Antimony	31.9	mg/Kg		31.9	J	9,8L
DL-MWK9-01	6010B	RES	Arsenic	13.6	mg/Kg		13.6	J	31
DL-MWK9-01	8270C	RES	Benzo(k)fluoranthene	490	ug/Kg	U	490	UJ	27L
DL-MWK9-01	6010B	RES	Beryllium	0.21	mg/Kg		0.21	J	31
DL-MWK9-01	8260B	RES	Bromodichloromethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Bromoform	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Bromomethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	6010B	RES	Cadmium	2.9	mg/Kg		2.9	J	31
DL-MWK9-01	8260B	RES	Carbon disulfide	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Carbon Tetrachloride	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Chlorobenzene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Chloroethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Chloroform	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Chloromethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	cis-1,2-Dichloroethene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	cis-1,3-Dichloropropene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	6010B	RES	Cobalt	9.5	mg/Kg		9.5	J-	8L
DL-MWK9-01	6010B	RES	Copper	0.37	mg/Kg	U	0.37	UJ	8L
DL-MWK9-01	8260B	RES	Cyclohexane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8270C	RES	Dibenz(a,h)anthracene	490	ug/Kg	U	490	UJ	27L
DL-MWK9-01	8260B	RES	Dibromochloromethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Dichlorodifluoromethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8270C	RES	Di-n-octyl phthalate	490	ug/Kg	U	490	UJ	27L
DL-MWK9-01	6010B	DL	Iron	148000	mg/Kg		148000	J	31

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Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWK9-01	8260B	RES	Isopropylbenzene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	6010B	RES	Lead	1120	mg/Kg		1120	J	31
DL-MWK9-01	8260B	RES	Methyl Acetate	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Methyl tert-butyl Ether	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Methylcyclohexane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Methylene Chloride	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	6010B	RES	Nickel	63.2	mg/Kg		63.2	J-	8L
DL-MWK9-01	6010B	RES	Potassium	1300	mg/Kg		1300	J	31
DL-MWK9-01	6010B	RES	Silver	13.5	mg/Kg		13.5	J	9,8L
DL-MWK9-01	6010B	RES	Sodium	718	mg/Kg		718	J+	8H
DL-MWK9-01	8260B	RES	Styrene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	t-1,3-Dichloropropene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Tetrachloroethene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	6010B	RES	Thallium	1.8	mg/Kg		1.8	J	26,31
DL-MWK9-01	8260B	RES	trans-1,2-Dichloroethene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Trichloroethene	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	8260B	RES	Trichlorofluoromethane	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	6010B	RES	Vanadium	18.9	mg/Kg		18.9	J-	8L
DL-MWK9-01	8260B	RES	Vinyl chloride	5.9	ug/Kg	U	5.9	UJ	27L,7L
DL-MWK9-01	6010B	RES	Zinc	3141.05	mg/Kg	OR	3141.05		
TRIPBLANK	8260B	RES	1,2,4-Trichlorobenzene	5.0	ug/L	U	5.0	UJ	23L,12
TRIPBLANK	8260B	RES	2-Butanone	25	ug/L	U	25	UJ	10L,12
TRIPBLANK	8260B	RES	Bromomethane	5.0	ug/L	U	5.0	UJ	18,12
TRIPBLANK	8260B	RES	Carbon disulfide	5.0	ug/L	U	5.0	UJ	23L,12
TRIPBLANK	8260B	RES	Chloroethane	5.0	ug/L	U	5.0	UJ	23L,12
TRIPBLANK	8260B	RES	Methyl Acetate	5.0	ug/L	U	5.0	UJ	23L,12

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.

7L	Surrogate recovery outside control limits. Result has a low bias.
8H	Matrix spike recovery outside control limits. Result has a high bias.
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
18	Initial calibration calibration coefficient exceeded control limits.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
26	Laboratory duplicate RPD exceeded control limits.
27	GCMS internal standard recoveries exceeded control limits.
27L	GCMS internal standard recoveries exceeded control limits. Result has a low bias.
31	Result qualified based on professional judgement.
31L	Result qualified based on professional judgement. Result has a low bias.
32	Non-detect, concentration is same as method blank

Laboratory Duplicate RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/06/2006

Lab Reporting Batch : X1666 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported RPD	Project Limit RPD
DL-BHM13-01DUP	X1666-10D	SO	Thallium	57.4	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHI10-01	X1666-16
DL-BHI10-01	X1666-16DL
DL-BHI10-01	X1666-16DL
DL-BHI10-01	X1666-16
DL-BHI12-01	X1666-15
DL-BHI13-01	X1666-14
DL-BHL10-01	X1666-04
DL-BHL11-01	X1666-05
DL-BHL12-01	X1666-13
DL-BHL9-01	X1666-03
DL-BHM11-01	X1666-06
DL-BHM13-01	X1666-10
DL-BHN12-01	X1666-07
DL-BHN13-01	X1666-09
DL-BHO12-01	X1666-08
DL-MWK9-01	X1666-01DL
DL-MWK9-01	X1666-01
DL-MWK9-01	X1666-01
DL-MWK9-01	X1666-01DL

Method Blank Outlier Report

Lab Reporting Batch : X1666
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/06/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10598BL
Preparation Batch : PB10598

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.507**	**2.000**	**mg/Kg**	**J**	

Aluminum contamination found in the method blank did not qualify any samples.

Arsenic	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.053**	**0.100**	**mg/Kg**	**J**	

Arsenic was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHI10-01	X1666-16DL	50	7.4		mg/Kg

Beryllium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.002**	**0.050**	**mg/Kg**	**J**	

Beryllium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHI10-01	X1666-16DL	50	0.31	J	mg/Kg

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.011**	**0.050**	**mg/Kg**	**J**	

Cadmium contamination found in the method blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.230**	**50.000**	**mg/Kg**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.012**	**0.500**	**mg/Kg**	**J**	

Cobalt was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHI10-01	X1666-16DL	50	2.4	J	mg/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1666
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/06/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10598BL
Preparation Batch : PB10598

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.021	0.250	mg/Kg	J	

Copper contamination found in the method blank did not qualify any samples.

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.014	0.150	mg/Kg	J	

Manganese contamination found in the method blank did not qualify any samples.

Nickel	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.104	0.400	mg/Kg	J	

Nickel contamination found in the method blank did not qualify any samples.

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-1.412	50.000	mg/Kg	J	

Potassium contamination found in the method blank did not qualify any samples.

Silver	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.012	0.100	mg/Kg	J	

Silver contamination found in the method blank did not qualify any samples.

Sodium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-5.136	50.000	mg/Kg	J	

Sodium contamination found in the method blank did not qualify any samples.

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.061	0.500	mg/Kg	J	

Vanadium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1666
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 02/23/2006
Preparation Type : 5030B
Preparation Date : 02/23/2006
Method Blank Lab Sample ID : VBK0223S2
Preparation Batch : VBK0223S2

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**5.5**	**5.0**	**ug/Kg**		**Common Contaminant**

Methylene Chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHI10-01	X1666-16RE	1	2.7	J	ug/Kg
DL-BHI10-01	X1666-16	1	1.6	J	ug/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1666
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 02/24/2006
Preparation Type : 5030B
Preparation Date : 02/24/2006
Method Blank Lab Sample ID : VBK0224S2
Preparation Batch : VBK0224S2

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**5.5**	**5.0**	**ug/Kg**		**Common Contaminant**

Methylene Chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWK9-01	X1666-01RE	1	5.0	J	ug/Kg

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/06/2006
Preparation Batch : PB10598 **Preparation Type :** 3010A **Preparation Date :** 02/27/2006
Lab Reporting Batch : X1666 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHM13-01MS	X1666-11S	SO	Aluminum	1092		30.00	80.00	120.00	20.00
			Barium	19.6		30.00	80.00	120.00	20.00
			Calcium	1770		30.00	80.00	120.00	20.00
			Cobalt	67.9		30.00	80.00	120.00	20.00
			Copper	79.4		30.00	80.00	120.00	20.00
			Iron	2166		30.00	80.00	120.00	20.00
			Magnesium	784		30.00	80.00	120.00	20.00
			Manganese	558		30.00	80.00	120.00	20.00
			Nickel	69.1		30.00	80.00	120.00	20.00
			Silver	0.0		30.00	80.00	120.00	20.00
			Sodium	162.9		30.00	80.00	120.00	20.00
			Vanadium	69.8		30.00	80.00	120.00	20.00
			Zinc	-44.3		30.00	80.00	120.00	20.00
DL-BHM13-01MSD	X1666-12SD		Aluminum	1266		30.00	80.00	120.00	20.00
			Antimony	0.0	243.5	30.00	80.00	120.00	20.00
			Calcium	1074		30.00	80.00	120.00	20.00
			Cobalt	75.7		30.00	80.00	120.00	20.00
			Iron	2038		30.00	80.00	120.00	20.00
			Magnesium	426		30.00	80.00	120.00	20.00
			Manganese	294		30.00	80.00	120.00	20.00
			Nickel	77.4		30.00	80.00	120.00	20.00
			Potassium	130.1		30.00	80.00	120.00	20.00
			Silver	0.0	38.2	30.00	80.00	120.00	20.00
			Sodium	139.3		30.00	80.00	120.00	20.00
			Vanadium	76.9		30.00	80.00	120.00	20.00
			Zinc	12.5		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHI10-01	X1666-16
DL-BHI10-01	X1666-16DL
DL-BHI10-01	X1666-16DL
DL-BHI10-01	X1666-16
DL-BHI12-01	X1666-15
DL-BHI13-01	X1666-14
DL-BHL10-01	X1666-04
DL-BHL11-01	X1666-05
DL-BHL12-01	X1666-13
DL-BHL9-01	X1666-03
DL-BHM11-01	X1666-06
DL-BHM13-01	X1666-10
DL-BHN12-01	X1666-07

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: ***Depew Landfill RI - NYSDEC Depew Landfill RI Project***

DL-BHN13-01	X1666-09
DL-BHO12-01	X1666-08
DL-MWK9-01	X1666-01DL
DL-MWK9-01	X1666-01
DL-MWK9-01	X1666-01
DL-MWK9-01	X1666-01DL

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Surrogate Recovery Outlier Report

Lab Report Batch: X1666 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
DL-BHI10-01	X1666-16RE	8260B	1	SO	4-Bromofluorobenzene	52	75.0	125.0	10.0	All Target
	X1666-16				4-Bromofluorobenzene	53	75.0	125.0	10.0	All Target
DL-MWK9-01	X1666-01RE	8260B	1	SO	4-Bromofluorobenzene	38	75.0	125.0	10.0	All Target
	X1666-01				4-Bromofluorobenzene	40	75.0	125.0	10.0	All Target
	X1666-01RE				Dibromofluoromethane	130	75.0	125.0	10.0	All Target
	X1666-01				Dibromofluoromethane	131	75.0	125.0	10.0	All Target

QC Outlier Report: Trip Blank

Lab Reporting Batch : X1666
Lab ID: CCGE
Method/Preparation Batch : VBH0228W2 / 8260B
Analysis Date : 02/28/2006
Client Sample ID : TRIPBLANK
Preparation Date : 02/28/2006
Lab Sample ID : X1666-02
Preparation Type : 5030B

Analysis Method : 8260B

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	**15**	**25**	**ug/L**	**J**	**Common Contaminant**

Acetone contamination found in the trip blank did not qualify any samples.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1689
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes – Lab did not distinguish filtered and unfiltered metals samples.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate not collected. Trip Blank not required.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes - MS/MSD not designated and no additional volume collected. LCS frequency correct.
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Elevated RLs for ketones and metals.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Sample DL-BH11-W-O reanalyzed due to surrogate recovery.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1689
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes - See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes - See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	Yes
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	No - See Surrogate Outlier Report Recovery of 1,2-dichloroethane-d4 high for sample DL-BH11-W-O and acceptable in reanalysis. No target compounds detected in sample or reanalysis. No data qualified. BNA surrogates within limits applied by lab – 2 AP surrogate low when compared to library. Sample surrogate recoveries consistent with MB and LCS recoveries. No qualifiers applied. TCMX recovery low for sample DL-BH11-W-O. DCBP recovery acceptable. No data qualified.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	NA – Results for batch metals MS/MSD reported. No data qualified based on batch results.
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No - See LCS Outlier Report. Lab applied control limits different from those in reference library. Data qualified based on lab determined outliers. Dichlorodifluoromethane, phenol and caprolactam recovery low. Results qualified UJ/R.
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Sample DL-BH11-W-O reanalyzed due to surrogate recovery

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1689
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Do field duplicate results show good precision for all compounds except TICs?	NA

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	Yes .
GC/MS	Does initial calibration meet criteria for all positive target compounds?	Yes – Hexachlorocyclopentadiene and 2,4-dinitrophenol %D >30%. Quadratic coefficient >0.995. No data qualified.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No – Cyclohexane, methylcyclohexane and tetrachloroethene >25%D
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	NA – Serial dilution not performed on sample from this delivery group. No data qualified based on batch serial dilution results.
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No
GC	Were all positive target compounds confirmed on a second column?	Yes

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1689
Date Completed: 4/25/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	NA

Summary of Potential Impacts on Data Usability
Major Concerns
Caprolactam results qualified “R” based on 9% LCS recovery.
Minor Concerns
None

Key:

ADR = Automated Data Review
AP = Acid Phenol
BN = Base Neutral
CCV = Continuing calibration verification
COC = Chain-of-custody
CVAA = Cold Vapor Automatic Absorption
GC = Gas Chromatography
GC/MS = Gas Chromatography/Mass Spectrometry
ICP = Inductively Coupled Plasma Argon Spectrometry
ICS = Interference check standard
ICV = Initial calibration verification
NA = Not Applicable
LCS = Laboratory Control Sample
MS/MSD = Matrix Spike/Matrix Spike Duplicate
QAPP = Quality Assurance Project Plan
QC = Quality Control
SD = Serial Dilution
SVOCs = Semivolatile Organic Compounds
TIC = Tentatively Identified Compound
VOCs = Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1689
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1689	02/23/2006 10:15

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-TB-0222-01	AQ	X1689-02	02/22/2006 18:00	
DL-BH11-W-O DIS	AQ	X1689-03	02/22/2006 15:40	
DL-BH11-W-O	AQ	X1689-01	02/22/2006 15:40	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	2
AQ	7470A	Mercury in Liquid Waste by Manual Cold Vapor Technique	2
AQ	8081B	Organochlorine Pesticides by GC using ECD	1
AQ	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	1
AQ	8260B	Volatile Organic Compounds by GC/MS	2
AQ	8270C	Semi-Volatile Organic Compounds by GC/MS	1

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BH11-W-O	8270C	RES	bis(2-Ethylhexyl)phthalate	1.6	ug/L	JB	10	UJ	32,12,6
DL-BH11-W-O	8270C	RES	Caprolactam	10	ug/L	U	10	R	10L
DL-BH11-W-O	8260B	RES	Cyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-BH11-W-O	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	10L
DL-BH11-W-O	8260B	RES	Methylcyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-BH11-W-O	8270C	RES	Phenol	10	ug/L	U	10	UJ	10L
DL-BH11-W-O	6010B	RES	Selenium	10.0	ug/L	U	10.0		
DL-BH11-W-O	6010B	RES	Silver	10.0	ug/L	U	10.0		
DL-BH11-W-O	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L
DL-BH11-W-O DIS	6010B	RES	Selenium	10.0	ug/L	U	10.0		

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1689
Date Completed: April 24, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BH11-W-O DIS	6010B	RES	Silver	10.0	ug/L	U	10.0		
DL-TB-0222-01	8260B	RES	Cyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0222-01	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	10L
DL-TB-0222-01	8260B	RES	Methylcyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0222-01	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
32	Non-detect, concentration is same as method blank

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 02/27/2006

Preparation Batch : PB10615B **Preparation Type :** 3510C **Preparation Date :** 02/27/2006

Lab Reporting Batch : X1689 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10615BS	AQ	Benzaldehyde	46		10.00	70.00	130.00	20.00
		Caprolactam	9		10.00	70.00	130.00	20.00
		Phenol	17		10.00	18.00	37.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BH11-W-O	X1689-01

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 02/25/2006

Preparation Batch : VBI0224W4 **Preparation Type :** 5030B **Preparation Date :** 02/25/2006

Lab Reporting Batch : X1689 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSI0224W3	AQ	1,1,2-Trichlorotrifluoroethane	73		10.00	75.00	130.00	20.00
		Chloromethane	73		10.00	74.00	146.00	20.00
		Dichlorodifluoromethane	67		10.00	74.50	136.60	20.00
		Methylcyclohexane	73		10.00	76.50	118.20	20.00
BSI0224W4		Methylcyclohexane	73		10.00	76.50	118.20	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BH11-W-O	X1689-01
DL-TB-0222-01	X1689-02

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Method Blank Outlier Report

Lab Reporting Batch : X1689
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/02/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10604BL
Preparation Batch : PB10604

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-13.120	200.000	ug/L	J	

Aluminum contamination found in the method blank did not qualify any samples.

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-6.730	60.000	ug/L	J	

Antimony contamination found in the method blank did not qualify any samples.

Barium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-2.760	200.000	ug/L	J	

Barium contamination found in the method blank did not qualify any samples.

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.960	5.000	ug/L	J	

Cadmium contamination found in the method blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-8.130	5000.000	ug/L	J	

Calcium contamination found in the method blank did not qualify any samples.

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.560	10.000	ug/L	J	

Chromium contamination found in the method blank did not qualify any samples.

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.480	50.000	ug/L	J	

Cobalt contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1689
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/02/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10604BL
Preparation Batch : PB10604

Iron	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-36.770	100.000	ug/L	J	

Iron contamination found in the method blank did not qualify any samples.

Lead	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-2.480	5.000	ug/L	J	

Lead contamination found in the method blank did not qualify any samples.

Magnesium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-16.150	5000.000	ug/L	J	

Magnesium contamination found in the method blank did not qualify any samples.

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	3.550	15.000	ug/L	J	

Manganese contamination found in the method blank did not qualify any samples.

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-820.050	5000.000	ug/L	J	

Potassium contamination found in the method blank did not qualify any samples.

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-3.410	10.000	ug/L	J	

Selenium contamination found in the method blank did not qualify any samples.

Sodium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-2381.450	5000.000	ug/L	J	

Sodium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1689
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/02/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10604BL
Preparation Batch : PB10604

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-2.900**	**50.000**	**ug/L**	**J**	

Vanadium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1689
Lab ID: CCGE
Analysis Method : 8270C
Analysis Date : 02/27/2006
Preparation Type : 3510C
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10615B
Preparation Batch : PB10615B

bis(2-Ethylhexyl)phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.4**	**10**	**ug/L**	**J**	**Common Contaminant**

bis(2-Ethylhexyl)phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BH11-W-O	X1689-01	1	1.6	JB	ug/L

Di-n-butylphthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.5**	**10**	**ug/L**	**J**	**Common Contaminant**

Di-n-butylphthalate contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1689
Lab ID: CCGE
Analysis Method : 7470A
Analysis Date : 03/01/2006
Preparation Type : 7470A
Preparation Date : 03/01/2006
Method Blank Lab Sample ID : PB10668BL
Preparation Batch : PB10668

Mercury	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.050**	**0.200**	**ug/L**	**J**	

Mercury contamination found in the method blank did not qualify any samples.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1716
Date Completed: 5/2/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected. Trip Blanks received
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes - MS/MSD not designated on the COC but was peformed for all methods except volatiles. LCS frequency correct.
All forms and raw data complete?	Yes – MS/MSD results supplied in hardcopy but not in electronic file.
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Elevated RLs for ketones and metals.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Volatile samples reanalyzed based on surrogate recoveries and IS responses. Sample DL-BHJ11-01 analyzed at dilution for Method 8270 based on level of SVOC compounds present and for Method 8082 to eliminate matrix interference. Samples DL-BHK11-01 and DL-BHD14-01 were analyzed for metals based on levels of target elements present and matrix

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1716
Date Completed: 5/2/2006	Data Validation Chemist: B. Krajewski

Completeness Review - General Sample and Batch Information - See Attachment 1	
	interferences.

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes - See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes - See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	Yes
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	No - See Surrogate Outlier Report Volatile samples reanalyzed with similar surrogate recoveries indicating a matrix effect. Results of initial analysis reported. For Method 8081B/8082 analyses, no data qualified based on one surrogate recovery outside of limits.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No SVOC results qualified UJ/J: 4,6-dinitro-2-methylphenol, hexachloropcyclopentadiene, 2,4-dinitrophenol, acenaphthene, indeno(1,2,3-cd)pyrene and benzo(g,h,i)perylene. Method 8081B MS analysis is suspect based on minimal recoveries. Endosulfan II, endrin aldehyde, endosulfan sulfate methoxyclor and endrin ketone results qualified UJ/J based on MSD recovery. Antimony and silver results qualified R/J based on no MS/MSD/Post spike recoveries. Cr, Co, Pb, Ni and Na results qualified UJ/J based on low MS/MSD recoveries. 4x rule applied to Al, Ba, Ca, Cu, Fe, Mg, Mn V and Zn.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1716
Date Completed: 5/2/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No - See LCS Outlier Report. Lab applied control limits different from those in reference library. Data qualified based on lab determined outliers. 2-Butanone, 3-nitroaniline and benzaldehyde results qualified UJ/J based on low recoveries.
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Volatile samples reanalyzed based on surrogate recoveries and IS responses. Sample DL-BHJ11-01 analyzed at dilution for Method 8270 based on level of SVOC compounds present and for Method 8082 to eliminate matrix interference. Samples DL-BHK11-01 and DL-BHD14-01 were analyzed for metals based on levels of target elements present and matrix interferences.
Do field duplicate results show good precision for all compounds except TICs?	Yes – See Attachment 1 Table 4 Field Duplicate Results

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	No VOA – DL-BHD14-01, DL-BHI14-01 and DL-BHJ11-01 reanalyzed based on low IS responses. Matrix effects confirmed. Results of initial analysis reported. .
GC/MS	Does initial calibration meet criteria for all positive target compounds?	Yes – Methylene chloride %RSD >30%.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No – Carbon disulfide, chloroethane, trichlorofluoromethane >25%D. Benzaldehyde, bis(2-chloroethyl)ether, 2,4,5-trichlorphenol, 2-chloronaphthalene, 2,4-dinitrophenol, 4-nitrophenol, 4-chloro-phenyl pehnylether, isophorone, bis(2-chloromethoxy)methane, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline and 4-nitrophenol %D>25%,
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1716
Date Completed: 5/2/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – As, Be, Ca, Cr, Co, Fe and Pb qualified UJ/J.
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No
GC	Were all positive target compounds confirmed on a second column?	Yes
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	NA

Summary of Potential Impacts on Data Usability
Major Concerns
Antimony and silver results qualified R?J based on no recovery for MS/MSD/Post spike. .
Minor Concerns
Matrix effects evident. Results qualified UJ/J based on surrogate, IS, MS/MSD and serial dilution results. Method 8081B MS results indicate poor extraction. Results no used in data qualification. Signifcant number of VOC and SVOCs in calibration standards manually integratred.

Key:

ADR = Automated Data Review
AP = Acid Phenol
BN = Base Neutral
CCV = Continuing calibration verification
COC = Chain-of-custody

CVAA = Cold Vapor Automatic Absorption
GC = Gas Chromatography
GC/MS = Gas Chromatography/Mass Spectrometry
ICP = Inductively Coupled Plasma Argon Spectrometry
ICS = Interference check standard
ICV = Initial calibration verification
NA = Not Applicable
LCS = Laboratory Control Sample
MS/MSD = Matrix Spike/Matrix Spike Duplicate
QAPP = Quality Assurance Project Plan
QC = Quality Control
SD = Serial Dilution
SVOCs = Semivolatile Organic Compounds
TIC = Tentatively Identified Compound
VOCs = Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1716
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1716	02/27/2006 10:10

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHJ14-01	SO	X1716-03	02/23/2006 13:10	
DL-BHD14-02	SO	X1716-21	02/24/2006 09:10	
DL-BHF14-01	SO	X1716-19	02/24/2006 08:40	
DL-BHG13-01	SO	X1716-18	02/24/2006 08:12	
DL-BHG14-01	SO	X1716-14	02/23/2006 16:00	
DL-BHI14-01	SO	X1716-01	02/23/2006 15:10	
DL-BHI14-02	SO	X1716-13	02/23/2006 15:15	
DL-BHJ11-01	SO	X1716-07	02/23/2006 08:15	
DL-BHD14-01	SO	X1716-20	02/24/2006 09:07	
DL-BHJ12-01D	SO	X1716-10	02/23/2006 09:30	
DL-TB-0224-01	AQ	X1716-22	02/24/2006 17:00	
DL-BHJ15-01	SO	X1716-02	02/23/2006 14:35	
DL-BHK10-01	SO	X1716-08	02/23/2006 08:55	
DL-BHK11-01	SO	X1716-06	02/23/2006 08:45	
DL-BHK12-01	SO	X1716-11	02/23/2006 10:00	
DL-BHK14-01	SO	X1716-04	02/23/2006 12:35	
DL-BHM12-01	SO	X1716-05	02/23/2006 12:05	
DL-BHO13-01	SO	X1716-12	02/23/2006 11:40	
DL-TB-0223-01	AQ	X1716-15	02/23/2006 18:00	
DL-BHJ12-01	SO	X1716-09	02/23/2006 09:30	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	8260B	Volatile Organic Compounds by GC/MS	2
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	18
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	18
SO	8081B	Organochlorine Pesticides by GC using ECD	3
SO	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	3

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1716
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	8260B	Volatile Organic Compounds by GC/MS	3

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD14-01	8260B	RES	1,1,1-Trichloroethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,1,2,2-Tetrachloroethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,1,2-Trichloroethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,1,2-Trichlorotrifluoroethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,1-Dichloroethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,1-Dichloroethene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,2,4-Trichlorobenzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,2-Dibromo-3-Chloropropane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,2-Dibromoethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,2-Dichlorobenzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,2-Dichloroethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,2-Dichloropropane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,3-Dichlorobenzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	1,4-Dichlorobenzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	2-Butanone	33	ug/Kg	U	33	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	2-Hexanone	33	ug/Kg	U	33	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	4-Methyl-2-Pentanone	33	ug/Kg	U	33	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Acetone	33	ug/Kg	U	33	UJ	27L,7L,12
DL-BHD14-01	6010B	RES	Antimony	50.8	mg/Kg		50.8	J	8
DL-BHD14-01	6010B	RES	Arsenic	13.7	mg/Kg		13.7	J	31
DL-BHD14-01	8260B	RES	Benzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	6010B	RES	Beryllium	0.322	mg/Kg		0.322	J	31
DL-BHD14-01	8260B	RES	Bromodichloromethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Bromoform	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Bromomethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1716
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD14-01	6010B	DL	Calcium	56100	mg/Kg		56100	J	31
DL-BHD14-01	8260B	RES	Carbon disulfide	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Carbon Tetrachloride	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Chlorobenzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Chloroethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Chloroform	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Chloromethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	6010B	RES	Chromium	91.7	mg/Kg		91.7	J	8,31
DL-BHD14-01	8260B	RES	cis-1,2-Dichloroethene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	cis-1,3-Dichloropropene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	6010B	RES	Cobalt	16.7	mg/Kg		16.7	J	8,31
DL-BHD14-01	8260B	RES	Cyclohexane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Dibromochloromethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Dichlorodifluoromethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Ethyl Benzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	6010B	DL	Iron	46700	mg/Kg		46700	J	31
DL-BHD14-01	8260B	RES	Isopropylbenzene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	6010B	DL	Lead	6400	mg/Kg		6400	J	8,31
DL-BHD14-01	8260B	RES	m/p-Xylenes	13	ug/Kg	U	13	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Methyl Acetate	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Methyl tert-butyl Ether	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Methylcyclohexane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Methylene Chloride	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	6010B	RES	Nickel	19.6	mg/Kg		19.6	J	8
DL-BHD14-01	8260B	RES	o-Xylene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	6010B	RES	Silver	0.124	mg/Kg	U	0.124	R	8L
DL-BHD14-01	6010B	RES	Sodium	5170	mg/Kg		5170	J	8
DL-BHD14-01	8260B	RES	Styrene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	t-1,3-Dichloropropene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12

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Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD14-01	8260B	RES	Tetrachloroethene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Toluene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	trans-1,2-Dichloroethene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Trichloroethene	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Trichlorofluoromethane	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-01	8260B	RES	Vinyl chloride	6.7	ug/Kg	U	6.7	UJ	27L,7L,12
DL-BHD14-02	6010B	RES	Antimony	0.712	mg/Kg	U	0.712	R	8L
DL-BHD14-02	6010B	RES	Arsenic	5.970	mg/Kg		5.970	J	31
DL-BHD14-02	6010B	RES	Beryllium	0.338	mg/Kg		0.338	J	31
DL-BHD14-02	6010B	RES	Chromium	25.7	mg/Kg		25.7	J	8,31
DL-BHD14-02	6010B	RES	Lead	795	mg/Kg		795	J	8,31
DL-BHD14-02	6010B	RES	Nickel	13.4	mg/Kg		13.4	J	8
DL-BHD14-02	6010B	RES	Silver	0.119	mg/Kg	U	0.119	R	8L
DL-BHF14-01	6010B	RES	Antimony	0.720	mg/Kg	U	0.720	R	8L
DL-BHF14-01	6010B	RES	Arsenic	6.250	mg/Kg		6.250	J	31
DL-BHF14-01	6010B	RES	Beryllium	0.400	mg/Kg		0.400	J	31
DL-BHF14-01	6010B	RES	Chromium	19.4	mg/Kg		19.4	J	8,31
DL-BHF14-01	6010B	RES	Lead	355	mg/Kg		355	J	8,31
DL-BHF14-01	6010B	RES	Nickel	14.4	mg/Kg		14.4	J	8
DL-BHF14-01	6010B	RES	Silver	0.120	mg/Kg	U	0.120	R	8L
DL-BHG13-01	6010B	RES	Antimony	0.704	mg/Kg	U	0.704	R	8L
DL-BHG13-01	6010B	RES	Arsenic	5.960	mg/Kg		5.960	J	31
DL-BHG13-01	6010B	RES	Beryllium	0.521	mg/Kg		0.521	J	31
DL-BHG13-01	6010B	RES	Chromium	10.2	mg/Kg		10.2	J	8,31
DL-BHG13-01	6010B	RES	Lead	16.4	mg/Kg		16.4	J	8,31
DL-BHG13-01	6010B	RES	Nickel	24.4	mg/Kg		24.4	J	8
DL-BHG13-01	6010B	RES	Silver	0.117	mg/Kg	U	0.117	R	8L
DL-BHG14-01	6010B	RES	Antimony	5.1	mg/Kg		5.1	J	8
DL-BHG14-01	6010B	RES	Arsenic	7.0	mg/Kg		7.0	J	31

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHG14-01	6010B	RES	Beryllium	0.40	mg/Kg		0.40	J	31
DL-BHG14-01	6010B	RES	Chromium	33.2	mg/Kg		33.2	J	8,31
DL-BHG14-01	6010B	RES	Lead	130	mg/Kg		130	J	8,31
DL-BHG14-01	6010B	RES	Nickel	14.8	mg/Kg		14.8	J	8
DL-BHG14-01	6010B	RES	Silver	0.78	mg/Kg		0.78	J	8
DL-BHI14-01	8260B	RES	1,1,1-Trichloroethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	1,1,2,2-Tetrachloroethane	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	1,1,2-Trichloroethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	1,1,2-Trichlorotrifluoroethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	1,1-Dichloroethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	1,1-Dichloroethene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	1,2,4-Trichlorobenzene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	1,2-Dibromo-3-Chloropropane	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	1,2-Dibromoethane	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	1,2-Dichlorobenzene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	1,2-Dichloroethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	1,2-Dichloropropane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	1,3-Dichlorobenzene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	1,4-Dichlorobenzene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	2-Hexanone	16	ug/Kg	U	16	UJ	27L,7L
DL-BHI14-01	8260B	RES	4-Methyl-2-Pentanone	16	ug/Kg	U	16	UJ	27L,7L
DL-BHI14-01	6010B	RES	Antimony	2.3	mg/Kg		2.3	J	8
DL-BHI14-01	6010B	RES	Arsenic	2.7	mg/Kg		2.7	J	31
DL-BHI14-01	8260B	RES	Benzene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	6010B	RES	Beryllium	0.15	mg/Kg		0.15	J	31
DL-BHI14-01	8260B	RES	Bromodichloromethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Bromoform	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Bromomethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	6010B	RES	Calcium	5240	mg/Kg		5240	J	31

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI14-01	8260B	RES	Carbon disulfide	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Carbon Tetrachloride	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Chlorobenzene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	Chloroethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Chloroform	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Chloromethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	6010B	RES	Chromium	8.2	mg/Kg		8.2	J	8,31
DL-BHI14-01	8260B	RES	cis-1,2-Dichloroethene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	cis-1,3-Dichloropropene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	6010B	RES	Cobalt	2.3	mg/Kg		2.3	J	8,31
DL-BHI14-01	8260B	RES	Cyclohexane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Dibromochloromethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Dichlorodifluoromethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8081B	RES	Endosulfan II	3.4	ug/Kg	U	3.4	UJ	8L
DL-BHI14-01	8081B	RES	Endosulfan sulfate	3.4	ug/Kg	U	3.4	UJ	8L
DL-BHI14-01	8081B	RES	Endrin aldehyde	3.4	ug/Kg	U	3.4	UJ	8L
DL-BHI14-01	8081B	RES	Endrin ketone	3.4	ug/Kg	U	3.4	UJ	8L
DL-BHI14-01	8260B	RES	Ethyl Benzene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	6010B	RES	Iron	13800	mg/Kg		13800	J	31
DL-BHI14-01	8260B	RES	Isopropylbenzene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	6010B	RES	Lead	38.8	mg/Kg		38.8	J	8,31
DL-BHI14-01	8260B	RES	m/p-Xylenes	6.5	ug/Kg	U	6.5	UJ	27L,7L
DL-BHI14-01	8081B	RES	Methoxychlor	3.4	ug/Kg	U	3.4	UJ	8L
DL-BHI14-01	8260B	RES	Methyl Acetate	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Methyl tert-butyl Ether	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Methylcyclohexane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Methylene Chloride	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	6010B	RES	Nickel	7.7	mg/Kg		7.7	J	8
DL-BHI14-01	8260B	RES	o-Xylene	3.3	ug/Kg	U	3.3	UJ	27L,7L

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Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI14-01	6010B	RES	Silver	0.67	mg/Kg		0.67	J	8
DL-BHI14-01	8260B	RES	Styrene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	t-1,3-Dichloropropene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Tetrachloroethene	3.3	ug/Kg	U	3.3	UJ	27L,7L
DL-BHI14-01	8260B	RES	trans-1,2-Dichloroethene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Trichloroethene	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Trichlorofluoromethane	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-01	8260B	RES	Vinyl chloride	3.3	ug/Kg	U	3.3	UJ	7L
DL-BHI14-02	6010B	RES	Antimony	5.7	mg/Kg		5.7	J	8
DL-BHI14-02	6010B	RES	Arsenic	6.6	mg/Kg		6.6	J	31
DL-BHI14-02	6010B	RES	Beryllium	0.49	mg/Kg		0.49	J	31
DL-BHI14-02	6010B	RES	Chromium	12.2	mg/Kg		12.2	J	8,31
DL-BHI14-02	6010B	RES	Lead	24.3	mg/Kg		24.3	J	8,31
DL-BHI14-02	6010B	RES	Nickel	18.4	mg/Kg		18.4	J	8
DL-BHI14-02	6010B	RES	Silver	0.72	mg/Kg		0.72	J	8
DL-BHJ11-01	8260B	RES	1,1,2,2-Tetrachloroethane	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	1,2,4-Trichlorobenzene	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	1,2-Dibromo-3-Chloropropane	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	1,2-Dibromoethane	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	1,2-Dichlorobenzene	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	1,3-Dichlorobenzene	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	1,4-Dichlorobenzene	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	2-Hexanone	20	ug/Kg	U	20	UJ	27L
DL-BHJ11-01	6010B	RES	Antimony	1.8	mg/Kg		1.8	J	8
DL-BHJ11-01	6010B	RES	Arsenic	3.0	mg/Kg		3.0	J	31
DL-BHJ11-01	6010B	RES	Beryllium	0.13	mg/Kg		0.13	J	31
DL-BHJ11-01	6010B	DL	Calcium	101000	mg/Kg		101000	J	31
DL-BHJ11-01	8260B	RES	Chlorobenzene	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	6010B	RES	Chromium	36.2	mg/Kg		36.2	J	8,31

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHJ11-01	6010B	RES	Cobalt	2.0	mg/Kg		2.0	J	8,31
DL-BHJ11-01	6010B	RES	Iron	13900	mg/Kg		13900	J	31
DL-BHJ11-01	6010B	RES	Lead	117	mg/Kg		117	J	8,31
DL-BHJ11-01	8260B	RES	Methylene Chloride	2.2	ug/Kg	JB	4.1	UJ	32,12,6
DL-BHJ11-01	6010B	RES	Nickel	11.1	mg/Kg		11.1	J	8
DL-BHJ11-01	6010B	RES	Silver	0.68	mg/Kg		0.68	J	8
DL-BHJ11-01	6010B	RES	Sodium	419	mg/Kg		419	J	8
DL-BHJ11-01	8260B	RES	Styrene	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ11-01	8260B	RES	Tetrachloroethene	4.1	ug/Kg	U	4.1	UJ	27L
DL-BHJ12-01	6010B	RES	Antimony	3.6	mg/Kg		3.6	J	16,8
DL-BHJ12-01	6010B	RES	Arsenic	3.3	mg/Kg		3.3	J	31
DL-BHJ12-01	6010B	RES	Beryllium	0.41	mg/Kg		0.41	J	31
DL-BHJ12-01	6010B	RES	Chromium	9.7	mg/Kg		9.7	J	8,31
DL-BHJ12-01	6010B	RES	Lead	11.8	mg/Kg		11.8	J	8,31
DL-BHJ12-01	6010B	RES	Nickel	19.8	mg/Kg		19.8	J	8
DL-BHJ12-01	6010B	RES	Silver	0.56	mg/Kg		0.56	J	16,8
DL-BHJ12-01D	6010B	RES	Antimony	0.761	mg/Kg	U	0.761	R	8L,16
DL-BHJ12-01D	6010B	RES	Arsenic	3.180	mg/Kg		3.180	J	31
DL-BHJ12-01D	6010B	RES	Beryllium	0.433	mg/Kg		0.433	J	31
DL-BHJ12-01D	6010B	RES	Chromium	12.0	mg/Kg		12.0	J	8,31
DL-BHJ12-01D	6010B	RES	Lead	14.9	mg/Kg		14.9	J	8,31
DL-BHJ12-01D	6010B	RES	Nickel	23.7	mg/Kg		23.7	J	8
DL-BHJ12-01D	6010B	RES	Silver	0.127	mg/Kg	U	0.127	R	8L,16
DL-BHJ14-01	6010B	RES	Antimony	1.4	mg/Kg		1.4	J	8
DL-BHJ14-01	6010B	RES	Arsenic	7.6	mg/Kg		7.6	J	31
DL-BHJ14-01	6010B	RES	Beryllium	0.68	mg/Kg		0.68	J	31
DL-BHJ14-01	6010B	RES	Chromium	14.1	mg/Kg		14.1	J	8,31
DL-BHJ14-01	6010B	RES	Lead	17.5	mg/Kg		17.5	J	8,31
DL-BHJ14-01	6010B	RES	Nickel	24.0	mg/Kg		24.0	J	8

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHJ14-01	6010B	RES	Silver	0.98	mg/Kg		0.98	J	8
DL-BHJ15-01	6010B	RES	Antimony	7.1	mg/Kg		7.1	J	8
DL-BHJ15-01	6010B	RES	Arsenic	8.0	mg/Kg		8.0	J	31
DL-BHJ15-01	6010B	RES	Beryllium	0.58	mg/Kg		0.58	J	31
DL-BHJ15-01	6010B	RES	Chromium	13.0	mg/Kg		13.0	J	8,31
DL-BHJ15-01	6010B	RES	Lead	13.2	mg/Kg		13.2	J	8,31
DL-BHJ15-01	6010B	RES	Nickel	24.7	mg/Kg		24.7	J	8
DL-BHJ15-01	6010B	RES	Silver	0.99	mg/Kg		0.99	J	8
DL-BHK10-01	6010B	RES	Antimony	4.6	mg/Kg		4.6	J	8
DL-BHK10-01	6010B	RES	Arsenic	4.3	mg/Kg		4.3	J	31
DL-BHK10-01	6010B	RES	Beryllium	0.27	mg/Kg		0.27	J	31
DL-BHK10-01	6010B	RES	Chromium	10.0	mg/Kg		10.0	J	8,31
DL-BHK10-01	6010B	RES	Lead	23.8	mg/Kg		23.8	J	8,31
DL-BHK10-01	6010B	RES	Nickel	18.8	mg/Kg		18.8	J	8
DL-BHK10-01	6010B	RES	Silver	0.45	mg/Kg		0.45	J	8
DL-BHK11-01	6010B	RES	Antimony	1.3	mg/Kg		1.3	J	8
DL-BHK11-01	6010B	RES	Arsenic	4.7	mg/Kg		4.7	J	31
DL-BHK11-01	6010B	RES	Beryllium	0.20	mg/Kg		0.20	J	31
DL-BHK11-01	6010B	RES	Chromium	17.1	mg/Kg		17.1	J	8,31
DL-BHK11-01	6010B	RES	Lead	154	mg/Kg		154	J	8,31
DL-BHK11-01	6010B	RES	Nickel	38.7	mg/Kg		38.7	J	8
DL-BHK11-01	6010B	RES	Silver	0.69	mg/Kg		0.69	J	8
DL-BHK12-01	6010B	RES	Antimony	4.4	mg/Kg		4.4	J	8
DL-BHK12-01	6010B	RES	Arsenic	7.5	mg/Kg		7.5	J	31
DL-BHK12-01	6010B	RES	Beryllium	0.42	mg/Kg		0.42	J	31
DL-BHK12-01	6010B	RES	Chromium	12.6	mg/Kg		12.6	J	8,31
DL-BHK12-01	6010B	RES	Lead	36.3	mg/Kg		36.3	J	8,31
DL-BHK12-01	6010B	RES	Nickel	22.4	mg/Kg		22.4	J	8
DL-BHK12-01	6010B	RES	Silver	0.88	mg/Kg		0.88	J	8

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHK14-01	6010B	RES	Antimony	0.71	mg/Kg	U	0.71	R	8L
DL-BHK14-01	6010B	RES	Arsenic	3.3	mg/Kg		3.3	J	31
DL-BHK14-01	6010B	RES	Beryllium	0.24	mg/Kg		0.24	J	31
DL-BHK14-01	6010B	RES	Chromium	5.6	mg/Kg		5.6	J	8,31
DL-BHK14-01	6010B	RES	Lead	8.3	mg/Kg		8.3	J	8,31
DL-BHK14-01	6010B	RES	Nickel	11.3	mg/Kg		11.3	J	8
DL-BHK14-01	6010B	RES	Silver	0.39	mg/Kg		0.39	J	8
DL-BHM12-01	6010B	RES	Antimony	1.5	mg/Kg		1.5	J	8
DL-BHM12-01	6010B	RES	Arsenic	4.8	mg/Kg		4.8	J	31
DL-BHM12-01	6010B	RES	Beryllium	0.28	mg/Kg		0.28	J	31
DL-BHM12-01	6010B	RES	Chromium	7.0	mg/Kg		7.0	J	8,31
DL-BHM12-01	6010B	RES	Lead	12.7	mg/Kg		12.7	J	8,31
DL-BHM12-01	6010B	RES	Nickel	13.7	mg/Kg		13.7	J	8
DL-BHM12-01	6010B	RES	Silver	0.52	mg/Kg		0.52	J	8
DL-BHO13-01	6010B	RES	Antimony	2.4	mg/Kg		2.4	J	8
DL-BHO13-01	6010B	RES	Arsenic	5.2	mg/Kg		5.2	J	31
DL-BHO13-01	6010B	RES	Beryllium	0.36	mg/Kg		0.36	J	31
DL-BHO13-01	6010B	RES	Chromium	8.8	mg/Kg		8.8	J	8,31
DL-BHO13-01	6010B	RES	Lead	14.8	mg/Kg		14.8	J	8,31
DL-BHO13-01	6010B	RES	Nickel	17.0	mg/Kg		17.0	J	8
DL-BHO13-01	6010B	RES	Silver	0.61	mg/Kg		0.61	J	8
DL-TB-0223-01	8260B	RES	2-Butanone	25	ug/L	U	25	UJ	10L,12
DL-TB-0223-01	8260B	RES	Carbon disulfide	5.0	ug/L	U	5.0	UJ	23L,12
DL-TB-0223-01	8260B	RES	Methylene Chloride	5.0	ug/L	U	5.0	UJ	18,12
DL-TB-0224-01	8260B	RES	Carbon disulfide	5.0	ug/L	U	5.0	UJ	23L,12
DL-TB-0224-01	8260B	RES	Chloroethane	5.0	ug/L	U	5.0	UJ	23L,12
DL-TB-0224-01	8260B	RES	Methylene Chloride	5.0	ug/L	U	5.0	UJ	18,12
DL-TB-0224-01	8260B	RES	Trichlorofluoromethane	5.0	ug/L	U	5.0	UJ	23L,12

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
7L	Surrogate recovery outside control limits. Result has a low bias.
8	Matrix spike recovery outside control limits.
8L	Matrix spike recovery outside control limits. Result has a low bias.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
16	Field duplicate RPD exceeded control limits.
18	Initial calibration calibration coefficient exceeded control limits.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
27L	GCMS internal standard recoveries exceeded control limits. Result has a low bias.
31	Result qualified based on professional judgement.
32	Non-detect, concentration is same as method blank

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 02/28/2006

Preparation Batch : VBH0228W2 **Preparation Type :** 5030B **Preparation Date :** 02/28/2006

Lab Reporting Batch : X1716 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BS0228W1	AQ	1,2-Dichloroethane	75		10.00	77.00	130.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-TB-0223-01	X1716-15

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/01/2006

Preparation Batch : VBH0301W2 **Preparation Type :** 5030B **Preparation Date :** 03/01/2006

Lab Reporting Batch : X1716 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BS0301W1	AQ	Acetone	160		10.00	20.00	150.00	20.00
		Dichlorodifluoromethane	70		10.00	74.50	136.60	20.00
		Methylcyclohexane	75		10.00	76.50	118.20	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-TB-0224-01	X1716-22

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 02/28/2006

Preparation Batch : VBK0228S2 **Preparation Type :** 5030B **Preparation Date :** 02/28/2006

Lab Reporting Batch : X1716 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
BSK0228S2	SO	Methyl Acetate	355		10.00	36.70	150.00	20.00
		Trichlorofluoromethane	70		10.00	77.40	140.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHD14-01	X1716-20
DL-BHI14-01	X1716-01RE
DL-BHI14-01	X1716-01
DL-BHJ11-01	X1716-07RE
DL-BHJ11-01	X1716-07

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Method Blank Outlier Report

Lab Reporting Batch : X1716
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/06/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10599BL
Preparation Batch : PB10599

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.904**	**2.000**	**mg/Kg**	**J**	

Aluminum contamination found in the method blank did not qualify any samples.

Arsenic	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.051**	**0.100**	**mg/Kg**	**J**	

Arsenic was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHJ11-01	X1716-07DL	50	10.1		mg/Kg

Beryllium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.003**	**0.050**	**mg/Kg**	**J**	

Beryllium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHJ11-01	X1716-07DL	50	0.23	J	mg/Kg

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.005**	**0.050**	**mg/Kg**	**J**	

Cadmium contamination found in the method blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.663**	**50.000**	**mg/Kg**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.025**	**0.500**	**mg/Kg**	**J**	

Cobalt was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHJ11-01	X1716-07DL	50	2.5	J	mg/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1716
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/06/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10599BL
Preparation Batch : PB10599

Iron	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.222	1.000	mg/Kg	J	

Iron contamination found in the method blank did not qualify any samples.

Magnesium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.121	50.000	mg/Kg	J	

Magnesium contamination found in the method blank did not qualify any samples.

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.009	0.150	mg/Kg	J	

Manganese contamination found in the method blank did not qualify any samples.

Nickel	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.043	0.400	mg/Kg	J	

Nickel contamination found in the method blank did not qualify any samples.

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-1.183	50.000	mg/Kg	J	

Potassium contamination found in the method blank did not qualify any samples.

Thallium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.098	0.100	mg/Kg	J	

Thallium contamination found in the method blank did not qualify any samples.

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.064	0.500	mg/Kg	J	

Vanadium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1716
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/06/2006
Preparation Type : 3010A
Preparation Date : 02/27/2006
Method Blank Lab Sample ID : PB10599BL
Preparation Batch : PB10599

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.010**	**0.200**	**mg/Kg**	**J**	

Zinc contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1716
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 02/28/2006
Preparation Type : 5030B
Preparation Date : 02/28/2006
Method Blank Lab Sample ID : VBK0228S2
Preparation Batch : VBK0228S2

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.9**	**5.0**	**ug/Kg**	**J**	**Common Contaminant**

Methylene Chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHI14-01	X1716-01RE	1	2.6	JB	ug/Kg
DL-BHJ11-01	X1716-07RE	1	1.4	JB	ug/Kg
DL-BHJ11-01	X1716-07	1	2.2	JB	ug/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1716
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 03/01/2006
Preparation Type : 5030B
Preparation Date : 03/01/2006
Method Blank Lab Sample ID : VBK0301S2
Preparation Batch : VBK0301S2

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.3**	**5.0**	**ug/Kg**	**J**	**Common Contaminant**

Methylene Chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHD14-01	X1716-20RE	1	2.6	JB	ug/Kg

Surrogate Recovery Outlier Report

Lab Report Batch: X1716 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
DL-BHD14-01	X1716-20RE	8260B	1	SO	4-Bromofluorobenzene	44	75.0	125.0	10.0	All Target
	X1716-20				4-Bromofluorobenzene	53	75.0	125.0	10.0	All Target
	X1716-20RE				Dibromofluoromethane	153	75.0	125.0	10.0	All Target
DL-BHI14-01	X1716-01	8081B	1	SO	Tetrachloro-m-xylene	30	70.0	130.0	10.0	All Target
	X1716-01RE	8260B			4-Bromofluorobenzene	56	75.0	125.0	10.0	All Target
	X1716-01				4-Bromofluorobenzene	73	75.0	125.0	10.0	All Target
DL-BHJ11-01	X1716-07	8081B	1	SO	Tetrachloro-m-xylene	223	70.0	130.0	10.0	All Target
		8082			Tetrachloro-m-xylene	1523	50.0	132.0	10.0	All Target
	X1716-07RE	8260B			4-Bromofluorobenzene	70	75.0	125.0	10.0	All Target

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1716
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1716	02/27/2006 10:10

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHJ11-01	SO	X1716-07	02/23/2006 08:15	
DL-BHI14-01MSD	SO	X1716-01MSD	02/23/2006 15:10	MSD
DL-BHI14-01MS	SO	X1716-01MS	02/23/2006 15:10	MS
DL-BHI14-01	SO	X1716-01	02/23/2006 15:10	
DL-BHD14-01	SO	X1716-20	02/24/2006 09:07	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	8270C	Semi-Volatile Organic Compounds by GC/MS	3

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD14-01	8270C	RES	2-Nitroaniline	1000	ug/Kg	U	1000	UJ	23L
DL-BHD14-01	8270C	RES	3-Nitroaniline	1000	ug/Kg	U	1000	UJ	23L
DL-BHD14-01	8270C	RES	4-Nitroaniline	1000	ug/Kg	U	1000	UJ	23L
DL-BHD14-01	8270C	RES	4-Nitrophenol	1000	ug/Kg	U	1000	UJ	23L
DL-BHD14-01	8270C	RES	Benzaldehyde	410	ug/Kg	U	410	UJ	10L,23L
DL-BHD14-01	8270C	RES	bis(2-Chloroethoxy)methane	410	ug/Kg	U	410	UJ	23L
DL-BHD14-01	8270C	RES	bis(2-Chloroethyl)ether	410	ug/Kg	U	410	UJ	23L
DL-BHD14-01	8270C	RES	Isophorone	410	ug/Kg	U	410	UJ	23L
DL-BHI14-01	8270C	RES	2,4,5-Trichlorophenol	950	ug/Kg	U	950	UJ	23L,12
DL-BHI14-01	8270C	RES	2,4-Dinitrophenol	950	ug/Kg	U	950	UJ	8L,23L
DL-BHI14-01	8270C	RES	2-Chloronaphthalene	380	ug/Kg	U	380	UJ	23L,12
DL-BHI14-01	8270C	RES	3-Nitroaniline	950	ug/Kg	U	950	UJ	10L,12
DL-BHI14-01	8270C	RES	4,6-Dinitro-2-methylphenol	950	ug/Kg	U	950	UJ	8L,12
DL-BHI14-01	8270C	RES	4-Chlorophenyl-phenylether	380	ug/Kg	U	380	UJ	23L,12

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1716
Date Completed: May 05, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHI14-01	8270C	RES	4-Nitrophenol	950	ug/Kg	U	950	UJ	23L,12
DL-BHI14-01	8270C	RES	Acenaphthene	380	ug/Kg	U	380	UJ	8L,12
DL-BHI14-01	8270C	RES	Benzaldehyde	380	ug/Kg	U	380	UJ	23L,12
DL-BHI14-01	8270C	RES	Benzo(g,h,i)perylene	380	ug/Kg	U	380	UJ	8L,12
DL-BHI14-01	8270C	RES	bis(2-Chloroethyl)ether	380	ug/Kg	U	380	UJ	23L,12
DL-BHI14-01	8270C	RES	Hexachlorocyclopentadiene	380	ug/Kg	U	380	UJ	8L,12
DL-BHI14-01	8270C	RES	Indeno(1,2,3-cd)pyrene	380	ug/Kg	U	380	UJ	8L,12
DL-BHJ11-01	8270C	RES	2,4,5-Trichlorophenol	960	ug/Kg	U	960	UJ	23L,12
DL-BHJ11-01	8270C	RES	2,4-Dinitrophenol	960	ug/Kg	U	960	UJ	23L
DL-BHJ11-01	8270C	RES	2-Chloronaphthalene	380	ug/Kg	U	380	UJ	23L
DL-BHJ11-01	8270C	RES	3-Nitroaniline	960	ug/Kg	U	960	UJ	10L,12
DL-BHJ11-01	8270C	RES	4-Chlorophenyl-phenylether	380	ug/Kg	U	380	UJ	23L
DL-BHJ11-01	8270C	RES	4-Nitrophenol	960	ug/Kg	U	960	UJ	23L,12
DL-BHJ11-01	8270C	RES	Benzaldehyde	380	ug/Kg	U	380	UJ	23L
DL-BHJ11-01	8270C	RES	Benzo(b)fluoranthene	3700	ug/Kg	E	3700		
DL-BHJ11-01	8270C	RES	bis(2-Chloroethyl)ether	380	ug/Kg	U	380	UJ	23L
DL-BHJ11-01	8270C	RES	Fluoranthene	4500	ug/Kg	E	4500		
DL-BHJ11-01	8270C	RES	Phenanthrene	2400	ug/Kg	E	2400		
DL-BHJ11-01	8270C	RES	Pyrene	3300	ug/Kg	E	3300		

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
8L	Matrix spike recovery outside control limits. Result has a low bias.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 02/28/2006

Preparation Batch : PB10609B **Preparation Type :** 3510C **Preparation Date :** 02/27/2006

Lab Reporting Batch : X1716 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
PB10609BS	SO	3-Nitroaniline	26		10.00	27.00	88.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHI14-01	X1716-01
DL-BHJ11-01	X1716-07DL
DL-BHJ11-01	X1716-07DL
DL-BHJ11-01	X1716-07

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/02/2006

Preparation Batch : PB10631B **Preparation Type :** 3510C **Preparation Date :** 02/28/2006

Lab Reporting Batch : X1716 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10631BS	SO	Benzaldehyde	16		10.00	20.00	150.00	20.00
		Fluoranthene	106		10.00	55.00	105.00	20.00
		N-Nitroso-di-n-propylamine	59		10.00	63.00	97.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHD14-01	X1716-20

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/01/2006

Preparation Batch : PB10609B **Preparation Type :** 3510C **Preparation Date :** 02/27/2006

Lab Reporting Batch : X1716 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHI14-01MS	X1716-01MS	SO	2,4-Dinitrophenol	20		10.00	26.00	131.00	20.00
			4,6-Dinitro-2-methylphenol	22		10.00	35.00	105.00	20.00
			Acenaphthene	63		10.00	65.00	100.00	20.00
			Benzo(g,h,i)perylene	37		10.00	39.00	130.00	20.00
			Hexachlorocyclopentadiene	16		10.00	20.00	107.00	20.00
			Indeno(1,2,3-cd)pyrene	19		10.00	42.00	124.00	20.00
DL-BHI14-01MSD	X1716-01MSD		2,4-Dinitrophenol	22		10.00	26.00	131.00	20.00
			4,6-Dinitro-2-methylphenol	25		10.00	35.00	105.00	20.00
			Benzo(g,h,i)perylene	37		10.00	39.00	130.00	20.00
			Benzo(k)fluoranthene	126		10.00	43.00	125.00	20.00
			Diethylphthalate		25	10.00	49.00	115.00	20.00
			Hexachlorocyclopentadiene	16		10.00	20.00	107.00	20.00
			Indeno(1,2,3-cd)pyrene	22		10.00	42.00	124.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-BHI14-01	X1716-01

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: X1716 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-BHJ12-01	DL-BHJ12-01D	6010B
DL-BHJ12-01	DL-BHJ12-01D	7471A

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Arsenic	DL-BHJ12-01	RES	3.3		DL-BHJ12-01D	RES	3.180		3.70	70	mg/Kg	Good	None
SO	Beryllium		RES	0.41			RES	0.433		5.46	70	mg/Kg	Good	None
SO	Chromium		RES	9.7			RES	12.0		21.2	70	mg/Kg	Good	None
SO	Copper		RES	20.2			RES	27.2		29.5	70	mg/Kg	Good	None
SO	Lead		RES	11.8			RES	14.9		23.2	70	mg/Kg	Good	None
SO	Nickel		RES	19.8			RES	23.7		17.9	70	mg/Kg	Good	None
SO	Zinc		RES	52.6			RES	64.9		20.9	70	mg/Kg	Good	None

Method: 7471A

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Mercury	DL-BHJ12-01	RES	0.040		DL-BHJ12-01D	RES	0.046		14.0	70	mg/Kg	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1755
Date Completed: 5/8/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	No – Field duplicates collected. Trip Blanks included.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes Results of batch VOC MS/MSD reported.
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Some VOC samples analyzed using 5 mL. Elevated RLs.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Volatile samples reanalyzed based on surrogate recoveries and IS responses. SVOC samples reanalyzed based on IS responses. Method 8081B and metals samples analyzed at dilutions based on levels of target compounds present.

Data Usability Summary Report	Project: Depew Landfill
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Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes - See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes - See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	Yes – DCBP recovery low for an LCS. TCMX recovery within limits. No data qualified.
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	Yes - See Surrogate Outlier Report Data qualified based on limits applied by laboratory. Matrix effects indicated based on VOC and SVOC surrogate recoveries. Method 8081B and 8082 analysis did not have both surrogate outside of control limits. No data qualified.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No – See MS/MSD Outlier Report 4X rule applied to Al, Ca, Fe Data qualified based on limits applied by laboratory. 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and hexachlorocylopentdiene qualified "R" for sample DL-BHD13-01 based on MS recoveries <10%.
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No - See LCS Outlier Report. Data qualified based on limits applied by laboratory.
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Volatile samples reanalyzed based on surrogate recoveries and IS responses. SVOC samples reanalyzed based on IS responses. Method 8081B and metals samples analyzed at dilutions based on levels of target compounds present.
Do field duplicate results show good precision for all compounds except TICs?	No – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1755
Date Completed: 5/8/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	No .
GC/MS	Does initial calibration meet criteria for all positive target compounds?	No – Chloroethane, trichlorolfuoromethane, acetone, carbon disulfide, methylene chloride, bromomethane and bromoform %RSD >30%.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No - Cyclohexane dichlorodilfuoromethane, acetone, carbon disulfide, bromomethane , trichlorofluoromethane, methylene chloride and bromoform %D >25%. Benzo(k)fluoranthene and benzo(b)fluoranthene %D >25%.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – Al, Ca, Fe, Pb and Zn qualified “J”.
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No
GC	Were all positive target compounds confirmed on a second column?	Yes
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	No – Quadruplicate analysis not performed. Results for samples DL-SD01-D and DL-SD02-0 qualified “J”.

Data Usability Summary Report	Project: Depew Landfill
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Summary of Potential Impacts on Data Usability
Major Concerns
2,4-dinitrophenol, 4,6-dinitro-2-methylphenol and hexachlorocyclpentadiene recovery for sample DL-BHD13-01 qualified "R" based on MS recovery <10%.
Minor Concerns
Several metals results qualified "J" based on MS and serial dilution results. Inconsistent in volume used for water volatile analysis resulting in elevated RLs.

Key:

ADR = Automated Data Review
AP = Acid Phenol
BN = Base Neutral
CCV = Continuing calibration verification
COC = Chain-of-custody
CVAA = Cold Vapor Automatic Absorption
GC = Gas Chromatography
GC/MS = Gas Chromatography/Mass Spectrometry
ICP = Inductively Coupled Plasma Argon Spectrometry
ICS = Interference check standard
ICV = Initial calibration verification
NA = Not Applicable
LCS = Laboratory Control Sample
MS/MSD = Matrix Spike/Matrix Spike Duplicate
QAPP = Quality Assurance Project Plan
QC = Quality Control
SD = Serial Dilution
SVOCs = Semivolatile Organic Compounds
TIC = Tentatively Identified Compound
VOCs = Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1755	03/03/2006 10:25

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHD13-01	SO	X1755-01	02/27/2006 08:50	
DL-BHD13-01D	SO	X1755-02	02/27/2006 08:50	FD
DL-BHD13-01MS	SO	X1755-06MS	02/27/2006 08:50	MS
DL-BHD13-01MSD	SO	X1755-07MSD	02/27/2006 08:50	MSD
DL-BHH11-01	SO	X1755-04	02/28/2006 09:00	
DL-BHH11-02	SO	X1755-05	02/28/2006 09:06	
DL-SD01-D	SO	X1755-15	03/02/2006 13:36	FD
DL-SD01-O	SO	X1755-14	03/02/2006 13:24	
DL-SD02-O	SO	X1755-17	03/02/2006 14:22	
DL-SD03-O	SO	X1755-12	03/02/2006 13:42	
DL-SD04-O	SO	X1755-08	03/02/2006 14:42	
DL-SD05-O	SO	X1755-09	03/02/2006 15:07	
DL-SD06-O	SO	X1755-10	03/02/2006 15:29	
DL-SD07-O	SO	X1755-11	03/02/2006 15:50	
DL-SW01-D	AQ	X1755-19	03/02/2006 13:12	FD
DL-SW01-O	AQ	X1755-18	03/02/2006 13:10	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	2
AQ	7470A	Mercury in Liquid Waste by Manual Cold Vapor Technique	2
AQ	8081B	Organochlorine Pesticides by GC using ECD	2
AQ	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	2
AQ	8270C	Semi-Volatile Organic Compounds by GC/MS	2
SO	415.1_LK	Total Organic Carbon by Lloyd Kahn	8
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	12
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	12
SO	8081B	Organochlorine Pesticides by GC using ECD	10

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	10
SO	8270C	Semi-Volatile Organic Compounds by GC/MS	10

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD02-O	415.1_LK	RES	Total Organic Carbon	19000	mg/Kg		19000	J	31
DL-BHD13-01	6010B	RES	Aluminum	5160	mg/Kg		5160	J	31
DL-BHD13-01D	6010B	RES	Aluminum	4260	mg/Kg		4260	J	31
DL-SD01-D	6010B	RES	Aluminum	3360	mg/Kg		3360	J	31
DL-SD01-O	6010B	RES	Aluminum	2190	mg/Kg		2190	J	31
DL-SD02-O	6010B	RES	Aluminum	1540	mg/Kg		1540	J	31
DL-SD03-O	6010B	RES	Aluminum	4320	mg/Kg		4320	J	31
DL-SD04-O	6010B	RES	Aluminum	3340	mg/Kg		3340	J	31
DL-SD05-O	6010B	RES	Aluminum	3850	mg/Kg		3850	J	31
DL-SD06-O	6010B	RES	Aluminum	2110	mg/Kg		2110	J	31
DL-SD07-O	6010B	RES	Aluminum	3300	mg/Kg		3300	J	31
DL-SW01-D	6010B	RES	Aluminum	134	ug/L	J	134	UJ	32,12,6
DL-SW01-O	6010B	RES	Aluminum	143	ug/L	J	143	UJ	32,12,6
DL-SD01-O	6010B	RES	Antimony	62.3	mg/Kg		62.3	J	16,31
DL-SD06-O	6010B	RES	Antimony	2.6	mg/Kg	J	2.6	UJ	32,12,6
DL-SW01-D	6010B	RES	Antimony	13.4	ug/L	J	13.4	UJ	32,12,6
DL-SW01-O	6010B	RES	Antimony	21.6	ug/L	J	21.6	UJ	32,12,6,16
DL-SD01-O	6010B	RES	Barium	32.9	mg/Kg		32.9	J	16,31
DL-BHD13-01	6010B	RES	Calcium	46300	mg/Kg		46300	J	31
DL-BHD13-01D	6010B	RES	Calcium	39500	mg/Kg		39500	J	31
DL-BHH11-02	6010B	RES	Calcium	2340	mg/Kg		2340	J	8L,31
DL-SD01-D	6010B	RES	Calcium	37900	mg/Kg		37900	J	31
DL-SD01-O	6010B	RES	Calcium	31800	mg/Kg		31800	J	31
DL-SD02-O	6010B	DL	Calcium	96700	mg/Kg		96700	J	31
DL-SD03-O	6010B	RES	Calcium	36600	mg/Kg		36600	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD04-O	6010B	RES	Calcium	32200	mg/Kg		32200	J	31
DL-SD05-O	6010B	RES	Calcium	12700	mg/Kg		12700	J	31
DL-SD06-O	6010B	RES	Calcium	5260	mg/Kg		5260	J	31
DL-SD07-O	6010B	RES	Calcium	13300	mg/Kg		13300	J	31
DL-BHD13-01	6010B	RES	Iron	32000	mg/Kg		32000	J	31
DL-BHD13-01D	6010B	RES	Iron	30500	mg/Kg		30500	J	31
DL-SD01-D	6010B	RES	Iron	25600	mg/Kg		25600	J	31
DL-SD01-O	6010B	RES	Iron	23300	mg/Kg		23300	J	31
DL-SD02-O	6010B	RES	Iron	10000	mg/Kg		10000	J	31
DL-SD03-O	6010B	RES	Iron	25700	mg/Kg		25700	J	31
DL-SD04-O	6010B	RES	Iron	12500	mg/Kg		12500	J	31
DL-SD05-O	6010B	RES	Iron	12600	mg/Kg		12600	J	31
DL-SD06-O	6010B	RES	Iron	8090	mg/Kg		8090	J	31
DL-SD07-O	6010B	RES	Iron	9840	mg/Kg		9840	J	31
DL-BHD13-01	6010B	RES	Lead	24.9	mg/Kg		24.9	J	8L,31
DL-BHD13-01D	6010B	RES	Lead	23.5	mg/Kg		23.5	J	8L,31
DL-BHH11-01	6010B	RES	Lead	1360	mg/Kg		1360	J	8L,31
DL-BHH11-02	6010B	RES	Lead	29.3	mg/Kg		29.3	J	8L,31
DL-SD01-D	6010B	RES	Lead	2560	mg/Kg		2560	J	8L,31
DL-SD01-O	6010B	RES	Lead	2490	mg/Kg		2490	J	8L,31
DL-SD02-O	6010B	RES	Lead	340	mg/Kg		340	J	8L,31
DL-SD03-O	6010B	RES	Lead	859	mg/Kg		859	J	8L,31
DL-SD04-O	6010B	RES	Lead	36.8	mg/Kg		36.8	J	8L,31
DL-SD05-O	6010B	RES	Lead	1330	mg/Kg		1330	J	8L,31
DL-SD06-O	6010B	RES	Lead	34.7	mg/Kg		34.7	J	8L,31
DL-SD07-O	6010B	RES	Lead	25.2	mg/Kg		25.2	J	8L,31
DL-BHD13-01	6010B	RES	Magnesium	798	mg/Kg		798	J-	8L
DL-BHD13-01D	6010B	RES	Magnesium	994	mg/Kg		994	J-	8L
DL-SD01-D	6010B	RES	Magnesium	5800	mg/Kg		5800	J-	8L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD01-O	6010B	RES	Magnesium	5090	mg/Kg		5090	J-	8L
DL-SD02-O	6010B	RES	Magnesium	5560	mg/Kg		5560	J-	8L
DL-SD03-O	6010B	RES	Magnesium	7070	mg/Kg		7070	J-	8L
DL-SD04-O	6010B	RES	Magnesium	4010	mg/Kg		4010	J-	8L
DL-SD05-O	6010B	RES	Magnesium	3670	mg/Kg		3670	J-	8L
DL-SD06-O	6010B	RES	Magnesium	1610	mg/Kg		1610	J-	8L
DL-SD07-O	6010B	RES	Magnesium	3790	mg/Kg		3790	J-	8L
DL-BHD13-01	6010B	RES	Selenium	0.97	mg/Kg	J	0.97	UJ	32,12,8L,6,16
DL-BHD13-01D	6010B	RES	Selenium	2.5	mg/Kg		2.5	J-	8L
DL-BHH11-01	6010B	RES	Selenium	4.1	mg/Kg		4.1	J-	8L
DL-BHH11-02	6010B	RES	Selenium	1.8	mg/Kg		1.8	UJ	32,8L,6
DL-SD01-D	6010B	RES	Selenium	1.4	mg/Kg	U	1.4	UJ	8L
DL-SD01-O	6010B	RES	Selenium	1.2	mg/Kg	U	1.2	UJ	8L
DL-SD02-O	6010B	RES	Selenium	29.5	mg/Kg		29.5	J-	8L
DL-SD04-O	6010B	RES	Selenium	1.3	mg/Kg	U	1.3	UJ	8L
DL-SD05-O	6010B	RES	Selenium	1.5	mg/Kg	U	1.5	UJ	8L
DL-SD07-O	6010B	RES	Selenium	1.5	mg/Kg	U	1.5	UJ	8L
DL-BHH11-02	6010B	RES	Silver	0.26	mg/Kg	J	0.26	UJ	32,12,6
DL-BHD13-01D	6010B	RES	Sodium	633	mg/Kg	U	633	UJ	9,8L,12,16
DL-SW01-D	6010B	RES	Vanadium	0.98	ug/L	J	0.98	UJ	32,12,6
DL-SW01-O	6010B	RES	Vanadium	1.2	ug/L	J	1.2	UJ	32,12,6
DL-BHD13-01	6010B	RES	Zinc	24.1	mg/Kg		24.1	J	31
DL-BHD13-01D	6010B	RES	Zinc	24.5	mg/Kg		24.5	J	31
DL-BHH11-01	6010B	RES	Zinc	1380	mg/Kg		1380	J	31
DL-BHH11-02	6010B	RES	Zinc	75.7	mg/Kg		75.7	J	31
DL-SD01-D	6010B	RES	Zinc	123	mg/Kg		123	J	31
DL-SD01-O	6010B	RES	Zinc	134	mg/Kg		134	J	31
DL-SD02-O	6010B	RES	Zinc	23.1	mg/Kg		23.1	J	31
DL-SD03-O	6010B	RES	Zinc	97.1	mg/Kg		97.1	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD04-O	6010B	RES	Zinc	207	mg/Kg		207	J	31
DL-SD05-O	6010B	RES	Zinc	64.2	mg/Kg		64.2	J	31
DL-SD06-O	6010B	RES	Zinc	26.9	mg/Kg		26.9	J	31
DL-SD07-O	6010B	RES	Zinc	45.4	mg/Kg		45.4	J	31
DL-BHD13-01	8081B	RES	alpha-Chlordane	3.7	ug/Kg	JP	3.7	J	16
DL-BHD13-01	8081B	RES	Endrin ketone	22	ug/Kg	P	22	J	9,8L,16
DL-BHD13-01D	8081B	RES	Endrin ketone	6.7	ug/Kg	P	6.7	J	31
DL-BHD13-01	8081B	DL	Methoxychlor	58	ug/Kg	D	58		16
DL-BHD13-01D	8081B	RES	Methoxychlor	10	ug/Kg	P	10	J	31
DL-BHD13-01	8270C	RES	2,4,5-Trichlorophenol	1000	ug/Kg	U	1000	UJ	8L
DL-BHD13-01	8270C	RES	2,4,6-Trichlorophenol	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2,4-Dichlorophenol	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2,4-Dimethylphenol	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2,4-Dinitrophenol	1000	ug/Kg	U	1000	R	8L
DL-BHD13-01	8270C	RES	2,4-Dinitrotoluene	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2,6-Dinitrotoluene	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2-Chloronaphthalene	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2-Chlorophenol	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2-Methylphenol	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	2-Nitroaniline	1000	ug/Kg	U	1000	UJ	8L
DL-BHD13-01	8270C	RES	2-Nitrophenol	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	3,3-Dichlorobenzidine	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	3-Nitroaniline	1000	ug/Kg	U	1000	UJ	10L
DL-BHD13-01D	8270C	RES	3-Nitroaniline	1100	ug/Kg	U	1100	UJ	10L,12
DL-BHD13-01	8270C	RES	4,6-Dinitro-2-methylphenol	1000	ug/Kg	U	1000	R	8L
DL-BHD13-01	8270C	RES	4-Bromophenyl-phenylether	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	4-Chloro-3-methylphenol	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	4-Chloroaniline	410	ug/Kg	U	410	UJ	10L
DL-BHD13-01D	8270C	RES	4-Chloroaniline	420	ug/Kg	U	420	UJ	10L

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD13-01	8270C	RES	4-Nitrophenol	1000	ug/Kg	U	1000	UJ	8L
DL-SW01-D	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	10L
DL-SW01-O	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	10L
DL-BHD13-01	8270C	RES	Acenaphthylene	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Anthracene	810	ug/Kg		810	J	9,8L,16
DL-BHD13-01	8270C	RES	Atrazine	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Benzo(a)anthracene	2200	ug/Kg		2200	J	9,8L,16
DL-BHD13-01	8270C	RES	Benzo(a)pyrene	1600	ug/Kg		1600	J	9,8L,16,27
DL-SD02-O	8270C	RE	Benzo(a)pyrene	400	ug/Kg	U	400	UJ	27L
DL-SD03-O	8270C	RE	Benzo(a)pyrene	470	ug/Kg	U	470	UJ	27L
DL-BHD13-01	8270C	DL	Benzo(b)fluoranthene	2400	ug/Kg	D	2400	UJ	16,23L
DL-SD01-O	8270C	RE	Benzo(b)fluoranthene	450	ug/Kg		450	J	16,23,27
DL-SD02-O	8270C	RE	Benzo(b)fluoranthene	93	ug/Kg	J	93	UJ	12,23L,27
DL-SD05-O	8270C	RES	Benzo(b)fluoranthene	500	ug/Kg	U	500	UJ	23L
DL-SD06-O	8270C	RES	Benzo(b)fluoranthene	400	ug/Kg	U	400	UJ	23L
DL-SD07-O	8270C	RES	Benzo(b)fluoranthene	500	ug/Kg	U	500	UJ	23L
DL-SW01-D	8270C	RES	Benzo(b)fluoranthene	10	ug/L	U	10	UJ	23L
DL-BHD13-01	8270C	RES	Benzo(g,h,i)perylene	540	ug/Kg		540	J	9,8L,16,27
DL-SD01-D	8270C	RE	Benzo(g,h,i)perylene	460	ug/Kg	U	460	UJ	27L,16
DL-SD02-O	8270C	RE	Benzo(g,h,i)perylene	400	ug/Kg	U	400	UJ	27L
DL-SD03-O	8270C	RE	Benzo(g,h,i)perylene	470	ug/Kg	U	470	UJ	27L
DL-BHD13-01	8270C	RES	Benzo(k)fluoranthene	1300	ug/Kg		1300	J	9,8L,16,27
DL-SD01-D	8270C	RE	Benzo(k)fluoranthene	460	ug/Kg	U	460	UJ	27L,23L,16
DL-SD02-O	8270C	RE	Benzo(k)fluoranthene	400	ug/Kg	U	400	UJ	27L,23L
DL-SD03-O	8270C	RE	Benzo(k)fluoranthene	470	ug/Kg	U	470	UJ	27L,23L
DL-SD05-O	8270C	RES	Benzo(k)fluoranthene	500	ug/Kg	U	500	UJ	23L
DL-SD06-O	8270C	RES	Benzo(k)fluoranthene	400	ug/Kg	U	400	UJ	23L
DL-SD07-O	8270C	RES	Benzo(k)fluoranthene	500	ug/Kg	U	500	UJ	23L
DL-SW01-D	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	UJ	23L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD13-01	8270C	RES	bis(2-Chloroethoxy)methane	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	bis(2-Ethylhexyl)phthalate	780	ug/Kg	B	780	UJ	32,8L,6,16
DL-BHD13-01D	8270C	RES	bis(2-Ethylhexyl)phthalate	120	ug/Kg	JB	420	UJ	32,12,6
DL-SW01-D	8270C	RES	Caprolactam	10	ug/L	U	10	R	10L
DL-SW01-O	8270C	RES	Caprolactam	10	ug/L	U	10	R	10L
DL-BHD13-01	8270C	RES	Carbazole	630	ug/Kg		630	J	9,8L,16
DL-BHD13-01	8270C	RES	Chrysene	2200	ug/Kg		2200	J	9,8L,16
DL-SD01-D	8270C	RE	Dibenz(a,h)anthracene	460	ug/Kg	U	460	UJ	27L
DL-SD01-O	8270C	RE	Dibenz(a,h)anthracene	390	ug/Kg	U	390	UJ	27L
DL-SD02-O	8270C	RE	Dibenz(a,h)anthracene	400	ug/Kg	U	400	UJ	27L
DL-SD03-O	8270C	RE	Dibenz(a,h)anthracene	470	ug/Kg	U	470	UJ	27L
DL-BHD13-01	8270C	RES	Diethylphthalate	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Dimethylphthalate	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Di-n-butylphthalate	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Di-n-octyl phthalate	410	ug/Kg	U	410	UJ	27L,8L
DL-SD01-D	8270C	RE	Di-n-octyl phthalate	460	ug/Kg	U	460	UJ	27L
DL-SD01-O	8270C	RE	Di-n-octyl phthalate	390	ug/Kg	U	390	UJ	27L
DL-SD02-O	8270C	RE	Di-n-octyl phthalate	400	ug/Kg	U	400	UJ	27L
DL-SD03-O	8270C	RE	Di-n-octyl phthalate	470	ug/Kg	U	470	UJ	27L
DL-BHD13-01	8270C	DL	Fluoranthene	5400	ug/Kg	D	5400		16
DL-SD01-O	8270C	RE	Fluoranthene	580	ug/Kg		580	J	16,31
DL-BHD13-01	8270C	RES	Hexachlorobenzene	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Hexachlorobutadiene	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Hexachlorocyclopentadiene	410	ug/Kg	U	410	R	8L
DL-BHD13-01	8270C	RES	Hexachloroethane	410	ug/Kg	U	410	UJ	8L
DL-SD01-D	8270C	RE	Indeno(1,2,3-cd)pyrene	460	ug/Kg	U	460	UJ	27L
DL-SD01-O	8270C	RE	Indeno(1,2,3-cd)pyrene	390	ug/Kg	U	390	UJ	27L
DL-SD02-O	8270C	RE	Indeno(1,2,3-cd)pyrene	400	ug/Kg	U	400	UJ	27L
DL-SD03-O	8270C	RE	Indeno(1,2,3-cd)pyrene	470	ug/Kg	U	470	UJ	27L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD13-01	8270C	RES	Isophorone	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Nitrobenzene	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	N-Nitroso-di-n-propylamine	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	N-Nitrosodiphenylamine	410	ug/Kg	U	410	UJ	8L
DL-BHD13-01	8270C	RES	Pentachlorophenol	1000	ug/Kg	U	1000	UJ	8L
DL-BHD13-01	8270C	DL	Phenanthrene	5800	ug/Kg	D	5800		16
DL-SD01-O	8270C	RE	Phenanthrene	510	ug/Kg		510	J	16,31
DL-BHD13-01	8270C	RES	Phenol	410	ug/Kg	U	410	UJ	8L
DL-SW01-D	8270C	RES	Phenol	10	ug/L	U	10	UJ	10L
DL-SW01-O	8270C	RES	Phenol	10	ug/L	U	10	UJ	10L
DL-BHD13-01	8270C	DL	Pyrene	4800	ug/Kg	D	4800		16
DL-SD01-O	8270C	RE	Pyrene	1200	ug/Kg		1200	J	16,31

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
16	Field duplicate RPD exceeded control limits.
23	Continuing calibration verification percent difference exceeded control limits.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
27	GCMS internal standard recoveries exceeded control limits.
27L	GCMS internal standard recoveries exceeded control limits. Result has a low bias.
31	Result qualified based on professional judgement.
32	Non-detect, concentration is same as method blank

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/10/2006

Preparation Batch : PB10692B **Preparation Type :** 3510C **Preparation Date :** 03/02/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10692BS	SO	3-Nitroaniline	25		10.00	27.00	88.00	20.00
		4-Chloroaniline	12		10.00	15.00	92.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHD13-01	X1755-01DL
DL-BHD13-01	X1755-01DL
DL-BHD13-01	X1755-01
DL-BHD13-01	X1755-01
DL-BHD13-01D	X1755-02

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/10/2006

Preparation Batch : PB10725B **Preparation Type :** 3510C **Preparation Date :** 03/06/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10725BS	AQ	4-Nitrophenol	19		10.00	20.00	115.00	20.00
		Benzaldehyde	50		10.00	70.00	130.00	20.00
		Caprolactam	9		10.00	70.00	130.00	20.00
		Phenol	17		10.00	18.00	37.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-SW01-D	X1755-19
DL-SW01-O	X1755-18

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/03/2006
Preparation Type : 3010A
Preparation Date : 03/02/2006
Method Blank Lab Sample ID : PB10680BL
Preparation Batch : PB10680

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.947	20.000	mg/Kg	J	

Aluminum contamination found in the method blank did not qualify any samples.

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.908	6.000	mg/Kg	J	

Antimony contamination found in the method blank did not qualify any samples.

Beryllium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.009	0.500	mg/Kg	J	

Beryllium contamination found in the method blank did not qualify any samples.

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.056	0.500	mg/Kg	J	

Cadmium contamination found in the method blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.208	500.000	mg/Kg	J	

Calcium contamination found in the method blank did not qualify any samples.

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.195	1.000	mg/Kg	J	

Chromium contamination found in the method blank did not qualify any samples.

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.264	5.000	mg/Kg	J	

Cobalt contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/03/2006
Preparation Type : 3010A
Preparation Date : 03/02/2006
Method Blank Lab Sample ID : PB10680BL
Preparation Batch : PB10680

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.424**	**1.000**	**mg/Kg**	**J**	

Selenium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHD13-01	X1755-01	1	0.97	J	mg/Kg
DL-BHH11-02	X1755-05	1	1.8		mg/Kg

Silver	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.272**	**1.000**	**mg/Kg**	**J**	

Silver was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHH11-02	X1755-05	1	0.26	J	mg/Kg

Sodium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-40.493**	**500.000**	**mg/Kg**	**J**	

Sodium contamination found in the method blank did not qualify any samples.

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.117**	**5.000**	**mg/Kg**	**J**	

Vanadium contamination found in the method blank did not qualify any samples.

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.077**	**2.000**	**mg/Kg**	**J**	

Zinc contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 8270C
Analysis Date : 03/10/2006
Preparation Type : 3510C
Preparation Date : 03/02/2006
Method Blank Lab Sample ID : PB10692B
Preparation Batch : PB10692B

bis(2-Ethylhexyl)phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**81**	**330**	**ug/Kg**	**J**	**Common Contaminant**

bis(2-Ethylhexyl)phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHD13-01	X1755-01DL	5	490	JBD	ug/Kg
DL-BHD13-01	X1755-01	1	780	B	ug/Kg
DL-BHD13-01D	X1755-02	1	120	JB	ug/Kg

Di-n-butylphthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**67**	**330**	**ug/Kg**	**J**	**Common Contaminant**

Di-n-butylphthalate contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/08/2006
Preparation Type : 3010A
Preparation Date : 03/07/2006
Method Blank Lab Sample ID : PB10739BL
Preparation Batch : PB10739

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**29.690**	**200.000**	**ug/L**	**J**	

Aluminum was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SW01-D	X1755-19	1	134	J	ug/L
DL-SW01-O	X1755-18	1	143	J	ug/L

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.390**	**60.000**	**ug/L**	**J**	

Antimony was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SW01-D	X1755-19	1	13.4	J	ug/L
DL-SW01-O	X1755-18	1	21.6	J	ug/L

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.500**	**5.000**	**ug/L**	**J**	

Cadmium contamination found in the method blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**6.650**	**5000.000**	**ug/L**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.240**	**15.000**	**ug/L**	**J**	

Manganese contamination found in the method blank did not qualify any samples.

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-3.140**	**10.000**	**ug/L**	**J**	

Selenium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/08/2006
Preparation Type : 3010A
Preparation Date : 03/07/2006
Method Blank Lab Sample ID : PB10739BL
Preparation Batch : PB10739

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.880**	**50.000**	**ug/L**	**J**	

Vanadium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SW01-D	X1755-19	1	0.98	J	ug/L
DL-SW01-O	X1755-18	1	1.2	J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.860**	**20.000**	**ug/L**	**J**	

Zinc contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/08/2006
Preparation Type : 3010A
Preparation Date : 03/07/2006
Method Blank Lab Sample ID : PB10740BL
Preparation Batch : PB10740

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.040**	**20.000**	**mg/Kg**	**J**	

Aluminum contamination found in the method blank did not qualify any samples.

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.549**	**6.000**	**mg/Kg**	**J**	

Antimony was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SD06-O	X1755-10	1	2.6	J	mg/Kg

Arsenic	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.430**	**1.000**	**mg/Kg**	**J**	

Arsenic contamination found in the method blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.514**	**500.000**	**mg/Kg**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 415.1_LK
Analysis Date : 03/09/2006
Preparation Type : Gen Prep
Preparation Date : 03/09/2006
Method Blank Lab Sample ID : PBLB08657
Preparation Batch : PBLB08657

Total Organic Carbon	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.00**	**100.00**	**mg/Kg**		

Total Organic Carbon contamination found in the method blank did not qualify any samples.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/08/2006

Preparation Batch : PB10680 **Preparation Type :** 3010A **Preparation Date :** 03/02/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHD13-01MS	X1755-06S	SO	Aluminum	67.1		30.00	80.00	120.00	20.00
			Calcium	-561		30.00	80.00	120.00	20.00
			Iron	-2.5		30.00	80.00	120.00	20.00
			Lead	78.7		30.00	80.00	120.00	20.00
			Magnesium	73.6		30.00	80.00	120.00	20.00
			Selenium	78.5		30.00	80.00	120.00	20.00
			Sodium	65.7		30.00	80.00	120.00	20.00
DL-BHD13-01MSD	X1755-07SD		Aluminum	66.2		30.00	80.00	120.00	20.00
			Calcium	-577		30.00	80.00	120.00	20.00
			Iron	8.0		30.00	80.00	120.00	20.00
			Magnesium	69.4		30.00	80.00	120.00	20.00
			Sodium	37.2	21.8	30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-BHD13-01	X1755-01
DL-BHD13-01D	X1755-02
DL-BHH11-01	X1755-04
DL-BHH11-02	X1755-05
DL-SD01-D	X1755-15
DL-SD01-O	X1755-14
DL-SD02-O	X1755-17
DL-SD02-O	X1755-17DL
DL-SD02-O	X1755-17DL
DL-SD02-O	X1755-17
DL-SD03-O	X1755-12
DL-SD04-O	X1755-08
DL-SD05-O	X1755-09
DL-SD06-O	X1755-10
DL-SD07-O	X1755-11
DL-SW01-D	X1755-19
DL-SW01-O	X1755-18

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8081B **Analysis Method :** 8081B **Analysis Date :** 03/13/2006

Preparation Batch : PB10693 **Preparation Type :** 5030B **Preparation Date :** 03/02/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHD13-01MS	X1755-06MS	SO	Aldrin	275		10.00	50.00	123.00	20.00
			Endrin ketone	6		10.00	48.00	136.00	20.00
			Methoxychlor	-84		10.00	63.00	165.00	20.00
DL-BHD13-01MSD	X1755-07MSD		Aldrin	301		10.00	50.00	123.00	20.00
			Endrin ketone	18	100	10.00	48.00	136.00	20.00
			Methoxychlor	-60	33	10.00	63.00	165.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-BHD13-01	X1755-01DL
DL-BHD13-01	X1755-01DL
DL-BHD13-01	X1755-01
DL-BHD13-01	X1755-01

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/11/2006

Preparation Batch : PB10692B **Preparation Type :** 3510C **Preparation Date :** 03/02/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-BHD13-01MS	X1755-06MS	SO	2,4,5-Trichlorophenol	38		10.00	55.00	105.00	20.00
			2,4,6-Trichlorophenol	37		10.00	50.00	112.00	20.00
			2,4-Dichlorophenol	39		10.00	55.00	109.00	20.00
			2,4-Dimethylphenol	35		10.00	47.00	109.00	20.00
			2,4-Dinitrophenol	8		10.00	26.00	131.00	20.00
			2,4-Dinitrotoluene	24		10.00	56.00	104.00	20.00
			2,6-Dinitrotoluene	28		10.00	49.00	116.00	20.00
			2-Chloronaphthalene	40		10.00	50.00	113.00	20.00
			2-Chlorophenol	39		10.00	52.00	107.00	20.00
			2-Methylnaphthalene	33		10.00	49.00	115.00	20.00
			2-Methylphenol	43		10.00	50.00	100.00	20.00
			2-Nitroaniline	45		10.00	52.00	110.00	20.00
			2-Nitrophenol	18		10.00	52.00	116.00	20.00
			3,3-Dichlorobenzidine	29		10.00	31.00	111.00	20.00
			4,6-Dinitro-2-methylphenol	0		10.00	35.00	105.00	20.00
			4-Bromophenyl-phenylether	42		10.00	53.00	113.00	20.00
			4-Chloro-3-methylphenol	38		10.00	60.00	100.00	20.00
			4-Nitrophenol	30		10.00	45.00	95.00	20.00
			Acenaphthene	26		10.00	65.00	100.00	20.00
			Acenaphthylene	39		10.00	52.00	107.00	20.00
			Anthracene	7		10.00	54.00	108.00	20.00
			Atrazine	34		10.00	37.00	122.00	20.00
			Benzo(a)anthracene	-41		10.00	60.00	100.00	20.00
			Benzo(a)pyrene	-18		10.00	58.00	102.00	20.00
			Benzo(b)fluoranthene	-59		10.00	42.00	126.00	20.00
			Benzo(g,h,i)perylene	-2		10.00	39.00	130.00	20.00
			Benzo(k)fluoranthene	12		10.00	43.00	125.00	20.00
			bis(2-Chloroethoxy)methane	37		10.00	51.00	111.00	20.00
			bis(2-Ethylhexyl)phthalate	36		10.00	54.00	124.00	20.00
			Carbazole	18		10.00	54.00	117.00	20.00
			Chrysene	-35		10.00	51.00	115.00	20.00
			Dibenz(a,h)anthracene	22		10.00	41.00	130.00	20.00
			Dibenzofuran	25		10.00	52.00	113.00	20.00
			Diethylphthalate	35		10.00	49.00	115.00	20.00
			Dimethylphthalate	38		10.00	45.00	122.00	20.00
			Di-n-butylphthalate	36		10.00	52.00	112.00	20.00
			Di-n-octyl phthalate	51		10.00	53.00	122.00	20.00
			Fluoranthene	-65		10.00	55.00	105.00	20.00
			Fluorene	26		10.00	47.00	117.00	20.00
			Hexachlorobenzene	39		10.00	48.00	118.00	20.00
			Hexachlorobutadiene	36		10.00	50.00	150.00	20.00
			Hexachlorocyclopentadiene	8		10.00	20.00	107.00	20.00

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

DL-BHD13-01MS	X1755-06MS	SO	Hexachloroethane	32		10.00	43.00	101.00	20.00
			Indeno(1,2,3-cd)pyrene	2		10.00	42.00	124.00	20.00
			Isophorone	35		10.00	48.00	111.00	20.00
			Naphthalene	28		10.00	34.00	120.00	20.00
			Nitrobenzene	39		10.00	50.00	109.00	20.00
			N-Nitroso-di-n-propylamine	45		10.00	63.00	97.00	20.00
			N-Nitrosodiphenylamine	46		10.00	55.00	120.00	20.00
			Pentachlorophenol	16		10.00	33.00	111.00	20.00
			Phenanthrene	-88		10.00	50.00	119.00	20.00
			Phenol	39		10.00	42.00	105.00	20.00
			Pyrene	-259		10.00	49.00	120.00	20.00
DL-BHD13-01MSD	X1755-07MSD		2,4,5-Trichlorophenol	37		10.00	55.00	105.00	20.00
			2,4,6-Trichlorophenol	38		10.00	50.00	112.00	20.00
			2,4-Dichlorophenol	38		10.00	55.00	109.00	20.00
			2,4-Dimethylphenol	33		10.00	47.00	109.00	20.00
			2,4-Dinitrophenol	8		10.00	26.00	131.00	20.00
			2,4-Dinitrotoluene	26		10.00	56.00	104.00	20.00
			2,6-Dinitrotoluene	29		10.00	49.00	116.00	20.00
			2-Chloronaphthalene	41		10.00	50.00	113.00	20.00
			2-Chlorophenol	41		10.00	52.00	107.00	20.00
			2-Methylnaphthalene	35		10.00	49.00	115.00	20.00
			2-Methylphenol	43		10.00	50.00	100.00	20.00
			2-Nitroaniline	45		10.00	52.00	110.00	20.00
			2-Nitrophenol	19		10.00	52.00	116.00	20.00
			4,6-Dinitro-2-methylphenol	0		10.00	35.00	105.00	20.00
			4-Bromophenyl-phenylether	45		10.00	53.00	113.00	20.00
			4-Chloro-3-methylphenol	40		10.00	60.00	100.00	20.00
			4-Nitrophenol	36		10.00	45.00	95.00	20.00
			Acenaphthene	31		10.00	65.00	100.00	20.00
			Acenaphthylene	40		10.00	52.00	107.00	20.00
			Anthracene	17	83	10.00	54.00	108.00	20.00
			Atrazine	35		10.00	37.00	122.00	20.00
			Benzo(a)anthracene	-24	52	10.00	60.00	100.00	20.00
			Benzo(a)pyrene	0	200	10.00	58.00	102.00	20.00
			Benzo(b)fluoranthene	-24	84	10.00	42.00	126.00	20.00
			Benzo(g,h,i)perylene	5	467	10.00	39.00	130.00	20.00
			Benzo(k)fluoranthene	29	83	10.00	43.00	125.00	20.00
			bis(2-Chloroethoxy)methane	38		10.00	51.00	111.00	20.00
			bis(2-Ethylhexyl)phthalate	42		10.00	54.00	124.00	20.00
			Carbazole	28	43	10.00	54.00	117.00	20.00
			Chrysene	-12	98	10.00	51.00	115.00	20.00
			Dibenz(a,h)anthracene	24		10.00	41.00	130.00	20.00
			Dibenzofuran	30		10.00	52.00	113.00	20.00
			Diethylphthalate	37		10.00	49.00	115.00	20.00
			Dimethylphthalate	39		10.00	45.00	122.00	20.00
			Di-n-butylphthalate	35		10.00	52.00	112.00	20.00
			Di-n-octyl phthalate	52		10.00	53.00	122.00	20.00
			Fluoranthene	-35	60	10.00	55.00	105.00	20.00
			Fluorene	31		10.00	47.00	117.00	20.00
			Hexachlorobenzene	39		10.00	48.00	118.00	20.00
			Hexachlorobutadiene	40		10.00	50.00	150.00	20.00

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

DL-BHD13-01MSD	X1755-07MSD	SO	Hexachlorocyclopentadiene	8		10.00	20.00	107.00	20.00
			Hexachloroethane	32		10.00	43.00	101.00	20.00
			Indeno(1,2,3-cd)pyrene	5	86	10.00	42.00	124.00	20.00
			Isophorone	38		10.00	48.00	111.00	20.00
			Naphthalene	32		10.00	34.00	120.00	20.00
			Nitrobenzene	39		10.00	50.00	109.00	20.00
			N-Nitroso-di-n-propylamine	43		10.00	63.00	97.00	20.00
			N-Nitrosodiphenylamine	47		10.00	55.00	120.00	20.00
			Pentachlorophenol	15		10.00	33.00	111.00	20.00
			Phenanthrene	-53	50	10.00	50.00	119.00	20.00
			Phenol	39		10.00	42.00	105.00	20.00
			Pyrene	-194	29	10.00	49.00	120.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-BHD13-01	X1755-01DL
DL-BHD13-01	X1755-01DL
DL-BHD13-01	X1755-01
DL-BHD13-01	X1755-01

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Surrogate Recovery Outlier Report

Lab Report Batch: X1755 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
DL-BHD13-01D	X1755-02	8081B	1	SO	Decachlorobiphenyl	69	70.0	130.0	10.0	All Target
DL-SD01-D	X1755-15	8082	1	SO	Decachlorobiphenyl	126	58.0	125.0	10.0	All Target
DL-SD03-O	X1755-12	8082	1	SO	Decachlorobiphenyl	127	58.0	125.0	10.0	All Target
DL-SD04-O	X1755-08	8082	1	SO	Decachlorobiphenyl	136	58.0	125.0	10.0	All Target
DL-SW01-D	X1755-19	8270C	1	AQ	2-Fluorophenol	25	45.0	135.0	10.0	Acid
					Phenol-d5	16	60.0	120.0	10.0	Acid
					2-Fluorobiphenyl	50	60.0	120.0	10.0	Base/Neutral
					Terphenyl-d14	52	60.0	120.0	10.0	Base/Neutral
DL-SW01-O	X1755-18	8270C	1	AQ	2-Fluorophenol	23	45.0	135.0	10.0	Acid
					Phenol-d5	16	60.0	120.0	10.0	Acid
					2-Fluorobiphenyl	59	60.0	120.0	10.0	Base/Neutral
					Terphenyl-d14	56	60.0	120.0	10.0	Base/Neutral

Table 4: Field Duplicate Summary Report

Lab SDG: X1755 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-BHD13-01	DL-BHD13-01D	6010B
DL-BHD13-01	DL-BHD13-01D	7471A
DL-BHD13-01	DL-BHD13-01D	8081B
DL-BHD13-01	DL-BHD13-01D	8082
DL-BHD13-01	DL-BHD13-01D	8270C
DL-SD01-O	DL-SD01-D	415.1_LK
DL-SD01-O	DL-SD01-D	6010B
DL-SD01-O	DL-SD01-D	7471A
DL-SD01-O	DL-SD01-D	8081B
DL-SD01-O	DL-SD01-D	8082
DL-SD01-O	DL-SD01-D	8270C
DL-SW01-O	DL-SW01-D	6010B
DL-SW01-O	DL-SW01-D	7470A
DL-SW01-O	DL-SW01-D	8081B
DL-SW01-O	DL-SW01-D	8082
DL-SW01-O	DL-SW01-D	8270C

Method: 415.1_LK

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual
SO	Total Organic Carbon	DL-SD01-O	RES	12000		DL-SD01-D	RES	22000		58.8 - 70	mg/Kg	Good	None

Method: 6010B

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual
SO	Aluminum	DL-BHD13-01	RES	5160		DL-BHD13-01D	RES	4260		19.1 - 70	mg/Kg	Good	None

Table 4: Field Duplicate Summary Report

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Arsenic	DL-BHD13-01	RES	2.3		DL-BHD13-01D	RES	3.9		51.6	70	mg/Kg	Good	None
SO	Barium		RES	26.5			RES	23.8	J	10.7	70	mg/Kg	Good	None
SO	Beryllium		RES	0.25	J		RES	0.17	J	38.1	70	mg/Kg	Good	None
SO	Calcium		RES	46300			RES	39500		15.9	70	mg/Kg	Good	None
SO	Chromium		RES	21.1			RES	18.8		11.5	70	mg/Kg	Good	None
SO	Cobalt		RES	3.6	J		RES	2.4	J	40.0	70	mg/Kg	Good	None
SO	Copper		RES	47.2			RES	43.1		9.08	70	mg/Kg	Good	None
SO	Iron		RES	32000			RES	30500		4.80	70	mg/Kg	Good	None
SO	Lead		RES	24.9			RES	23.5		5.79	70	mg/Kg	Good	None
SO	Magnesium		RES	798			RES	994		21.9	70	mg/Kg	Good	None
SO	Manganese		RES	320			RES	311		2.85	70	mg/Kg	Good	None
SO	Nickel		RES	14.4			RES	13.8		4.26	70	mg/Kg	Good	None
SO	Potassium		RES	550	J		RES	505	J	8.53	70	mg/Kg	Good	None
SO	Selenium		RES	0.97	J		RES	2.5		88.2	70	mg/Kg	Poor	J
SO	Silver		RES	1.4			RES	1.4		0	70	mg/Kg	Good	None
SO	Vanadium		RES	10.5			RES	9.9		5.88	70	mg/Kg	Good	None
SO	Zinc		RES	24.1			RES	24.5		1.65	70	mg/Kg	Good	None
SO	Aluminum	DL-SD01-O	RES	2190		DL-SD01-D	RES	3360		42.2	70	mg/Kg	Good	None
SO	Antimony		RES	62.3			RES	10.8		141	70	mg/Kg	Poor	J
SO	Arsenic		RES	4.7			RES	4.5		4.35	70	mg/Kg	Good	None
SO	Barium		RES	32.9			RES	92.0		94.6	70	mg/Kg	Poor	J
SO	Beryllium		RES	0.15	J		RES	0.22	J	37.8	70	mg/Kg	Good	None
SO	Calcium		RES	31800			RES	37900		17.5	70	mg/Kg	Good	None

Table 4: Field Duplicate Summary Report

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Chromium	DL-SD01-O	RES	11.5		DL-SD01-D	RES	12.0		4.26	70	mg/Kg	Good	None
SO	Cobalt		RES	3.6	J		RES	4.7	J	26.5	70	mg/Kg	Good	None
SO	Copper		RES	69.7			RES	64.4		7.90	70	mg/Kg	Good	None
SO	Iron		RES	23300			RES	25600		9.41	70	mg/Kg	Good	None
SO	Lead		RES	2490			RES	2560		2.77	70	mg/Kg	Good	None
SO	Magnesium		RES	5090			RES	5800		13.0	70	mg/Kg	Good	None
SO	Manganese		RES	195			RES	278		35.1	70	mg/Kg	Good	None
SO	Nickel		RES	15.2			RES	18.3		18.5	70	mg/Kg	Good	None
SO	Potassium		RES	458	J		RES	640	J	33.2	70	mg/Kg	Good	None
SO	Silver		RES	1.3			RES	1.3	J	0	70	mg/Kg	Good	None
SO	Sodium		RES	186	J		RES	219	J	16.3	70	mg/Kg	Good	None
SO	Vanadium		RES	7.9			RES	9.6		19.4	70	mg/Kg	Good	None
SO	Zinc		RES	134			RES	123		8.56	70	mg/Kg	Good	None
AQ	Aluminum	DL-SW01-O	RES	143	J	DL-SW01-D	RES	134	J	6.50	40	ug/L	Good	None
AQ	Antimony		RES	21.6	J		RES	13.4	J	46.9	40	ug/L	Poor	J
AQ	Barium		RES	44.7	J		RES	45.8	J	2.43	40	ug/L	Good	None
AQ	Calcium		RES	55500			RES	57300		3.19	40	ug/L	Good	None
AQ	Chromium		RES	0.73	J		RES	1.5	J	69.1	40	ug/L	Poor	J
AQ	Copper		RES	6.8	J		RES	7.2	J	5.71	40	ug/L	Good	None
AQ	Iron		RES	199			RES	207		3.94	40	ug/L	Good	None
AQ	Magnesium		RES	9840			RES	10300		4.57	40	ug/L	Good	None
AQ	Manganese		RES	32.8			RES	35.7		8.47	40	ug/L	Good	None
AQ	Potassium		RES	2110	J		RES	2250	J	6.42	40	ug/L	Good	None

Table 4: Field Duplicate Summary Report

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
AQ	Sodium	DL-SW01-O	RES	38700		DL-SW01-D	RES	39900		3.05	40	ug/L	Good	None
AQ	Vanadium		RES	1.2	J		RES	0.98	J	20.2	40	ug/L	Good	None
AQ	Zinc		RES	23.7			RES	20.1		16.4	40	ug/L	Good	None

Method: 7471A

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Mercury	DL-SD01-O	RES	0.072		DL-SD01-D	RES	0.066		8.70	70	mg/Kg	Good	None

Method: 8081B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Endrin ketone	DL-BHD13-01	RES	22	P	DL-BHD13-01D	RES	6.7	P	107	70	ug/Kg	Poor	J

Method: 8270C

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Benzo(a)anthracene	DL-BHD13-01	RES	2200		DL-BHD13-01D	RES	74	J	187	70	ug/Kg	Poor	J
SO	bis(2-Ethylhexyl)phthalate		RES	780	B		RES	120	JB	147		ug/Kg		
SO	Chrysene		RES	2200			RES	77	J	186	70	ug/Kg	Poor	J
SO	Benzo(a)anthracene	DL-SD01-O	RE	260	J	DL-SD01-D	RE	92	J	95.5	70	ug/Kg	Poor	J
SO	Benzo(a)pyrene		RE	240	J		RE	79	J	101	70	ug/Kg	Poor	J
SO	Benzo(b)fluoranthene		RE	450			RE	160	J	95.1	70	ug/Kg	Poor	J
SO	Chrysene		RE	280	J		RE	110	J	87.2	70	ug/Kg	Poor	J

Table 4: Field Duplicate Summary Report

Method: 8270C

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Fluoranthene	DL-SD01-O	RE	580		DL-SD01-D	RE	210	J	93.7	70	ug/Kg	Poor	J
SO	Phenanthrene		RE	510			RE	210	J	83.3	70	ug/Kg	Poor	J
SO	Pyrene		RE	1200			RE	240	J	133	70	ug/Kg	Poor	J

*Field Duplicate Results with one or both results ND are not included in this report

QC Outlier Report: Trip Blank

Lab Reporting Batch : X1755
Lab ID: CCGE
Method/Preparation Batch : VBI0309W2 / 8260B
Analysis Date : 03/09/2006
Client Sample ID : DL-TB-0302-1
Preparation Date : 03/09/2006
Lab Sample ID : X1755-20
Preparation Type : 5030B

Analysis Method : 8260B

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	**0.73**	**1.0**	**ug/L**	**J**	**Common Contaminant**

Methylene Chloride contamination found in the trip blank did not qualify any samples.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/09/2006

Preparation Batch : VBH0308W4 **Preparation Type :** 5030B **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSH0308W1	AQ	1,1,2-Trichlorotrifluoroethane	70		10.00	75.00	130.00	20.00
		1,1,2-Trichlorotrifluoroethane	70		10.00	75.00	130.00	20.00
		1,2,4-Trichlorobenzene	115		10.00	78.30	111.90	20.00
		1,2,4-Trichlorobenzene	115		10.00	78.30	111.90	20.00
		Dichlorodifluoromethane	60		10.00	74.50	136.60	20.00
		Dichlorodifluoromethane	60		10.00	74.50	136.60	20.00
BSH0308W2		1,1,2-Trichlorotrifluoroethane	65		10.00	75.00	130.00	20.00
		1,1,2-Trichlorotrifluoroethane	65		10.00	75.00	130.00	20.00
		1,2,4-Trichlorobenzene	115		10.00	78.30	111.90	20.00
		1,2,4-Trichlorobenzene	115		10.00	78.30	111.90	20.00
		Dichlorodifluoromethane	55		10.00	74.50	136.60	20.00
		Dichlorodifluoromethane	55		10.00	74.50	136.60	20.00
		Trichlorofluoromethane	65		10.00	68.60	152.70	20.00
		Trichlorofluoromethane	65		10.00	68.60	152.70	20.00

Associated Samples

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/09/2006

Preparation Batch : VBH0309W2 **Preparation Type :** 5030B **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSH0309W1	AQ	1,1,2-Trichlorotrifluoroethane	70		10.00	75.00	130.00	20.00
		Dichlorodifluoromethane	70		10.00	74.50	136.60	20.00
		Toluene	80		10.00	81.00	133.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-TB-0302-2	X1755-16
DL-TB-0302-3	X1755-13

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/09/2006

Preparation Batch : VBI0309W2 **Preparation Type :** 5030B **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSI0309W1	AQ	Chloroethane	167		10.00	71.00	150.00	20.00
		Isopropylbenzene	73		10.00	76.50	116.70	20.00
		Methyl Acetate	180		10.00	37.70	150.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-SW01-D	X1755-19RE
DL-SW01-D	X1755-19
DL-SW01-O	X1755-18RE
DL-SW01-O	X1755-18
DL-TB-0302-1	X1755-20

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/03/2006

Preparation Batch : VBK0303S2 **Preparation Type :** 5030B **Preparation Date :** 03/03/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSK0303S1	SO	Dichlorodifluoromethane	135		10.00	54.80	131.50	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-BHD13-01	X1755-01RE
DL-BHD13-01	X1755-01
DL-BHD13-01D	X1755-02RE
DL-BHD13-01D	X1755-02

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/07/2006

Preparation Batch : VBK0307S2 **Preparation Type :** 5030B **Preparation Date :** 03/07/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
BSK0307S1	SO	cis-1,2-Dichloroethene	130		10.00	74.70	124.90	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-SD01-D	X1755-15
DL-SD03-O	X1755-12

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/08/2006

Preparation Batch : VBK0308S2 **Preparation Type :** 5030B **Preparation Date :** 03/08/2006

Lab Reporting Batch : X1755 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
BSK0308S1	SO	Chloroethane	135		10.00	66.00	122.50	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-SD01-D	X1755-15RE
DL-SD01-O	X1755-14
DL-SD03-O	X1755-12RE

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 03/08/2006
Preparation Type : 5030B
Preparation Date : 03/08/2006
Method Blank Lab Sample ID : VBH0308W4
Preparation Batch : VBH0308W4

2-Butanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	11	25	ug/L	J	

2-Butanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	11	25	ug/L	J	

2-Butanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	32	25	ug/L		Common Contaminant

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	32	25	ug/L		Common Contaminant

Acetone contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 03/09/2006
Preparation Type : 5030B
Preparation Date : 03/09/2006
Method Blank Lab Sample ID : VBH0309W2
Preparation Batch : VBH0309W2

2-Butanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	9.9	25	ug/L	J	

2-Butanone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	9.9	25	ug/L	J	

2-Butanone contamination found in the method blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	29	25	ug/L		Common Contaminant

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	29	25	ug/L		Common Contaminant

Acetone contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 03/03/2006
Preparation Type : 5030B
Preparation Date : 03/03/2006
Method Blank Lab Sample ID : VBK0303S2
Preparation Batch : VBK0303S2

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.8**	**5.0**	**ug/Kg**	**J**	**Common Contaminant**

Methylene Chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-BHD13-01	X1755-01	1	4.6	B	ug/Kg
DL-BHD13-01D	X1755-02	1	4.8	JB	ug/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 03/07/2006
Preparation Type : 5030B
Preparation Date : 03/07/2006
Method Blank Lab Sample ID : VBK0307S2
Preparation Batch : VBK0307S2

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.6**	**5.0**	**ug/Kg**	**J**	**Common Contaminant**

Methylene Chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SD03-O	X1755-12	1	3.5	JB	ug/Kg

Method Blank Outlier Report

Lab Reporting Batch : X1755
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 03/08/2006
Preparation Type : 5030B
Preparation Date : 03/08/2006
Method Blank Lab Sample ID : VBK0308S2
Preparation Batch : VBK0308S2

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**8.8**	**25**	**ug/Kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SD01-D	X1755-15RE	1	12	JB	ug/Kg
DL-SD01-O	X1755-14	1	10	JB	ug/Kg
DL-SD03-O	X1755-12RE	1	28	JB	ug/Kg

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.2**	**5.0**	**ug/Kg**	**J**	**Common Contaminant**

Methylene Chloride contamination found in the method blank did not qualify any samples.

Surrogate Recovery Outlier Report

Lab Report Batch: X1755 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
DL-BHD13-01	X1755-01	8260B	1	SO	1,2-Dichloroethane-d4	139	75.0	125.0	10.0	All Target
					4-Bromofluorobenzene	42	75.0	125.0	10.0	All Target
					Dibromofluoromethane	157	75.0	125.0	10.0	All Target
DL-BHD13-01D	X1755-02	8260B	1	SO	1,2-Dichloroethane-d4	145	75.0	125.0	10.0	All Target
					4-Bromofluorobenzene	49	75.0	125.0	10.0	All Target
	X1755-02RE				4-Bromofluorobenzene	67	75.0	125.0	10.0	All Target
	X1755-02				Dibromofluoromethane	160	75.0	125.0	10.0	All Target
DL-SD01-D	X1755-15RE	8260B	1	SO	4-Bromofluorobenzene	71	75.0	125.0	10.0	All Target
	X1755-15				4-Bromofluorobenzene	74	75.0	125.0	10.0	All Target
DL-SD03-O	X1755-12RE	8260B	1	SO	1,2-Dichloroethane-d4	73	75.0	125.0	10.0	All Target
					4-Bromofluorobenzene	67	75.0	125.0	10.0	All Target
	X1755-12				4-Bromofluorobenzene	64	75.0	125.0	10.0	All Target
DL-SW01-D	X1755-19	8260B	1	AQ	4-Bromofluorobenzene	125	86.0	115.0	10.0	All Target
	X1755-19RE				4-Bromofluorobenzene	120	86.0	115.0	10.0	All Target
DL-SW01-O	X1755-18	8260B	1	AQ	4-Bromofluorobenzene	120	86.0	115.0	10.0	All Target
	X1755-18RE				4-Bromofluorobenzene	122	86.0	115.0	10.0	All Target
DL-TB-0302-1	X1755-20	8260B	1	AQ	4-Bromofluorobenzene	120	86.0	115.0	10.0	All Target

Table 4: Field Duplicate Summary Report

Lab SDG: X1755 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-BHD13-01	DL-BHD13-01D	8260B
DL-SD01-O	DL-SD01-D	8260B
DL-SW01-O	DL-SW01-D	8260B

Method: 8260B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
SO	Acetone	DL-SD01-O	RES	10	JB	DL-SD01-D	RES	7.9	J	23.5	70	ug/Kg	Good	None
AQ	Toluene	DL-SW01-O	RES	0.68	J	DL-SW01-D	RES	0.67	J	1.48	40	ug/L	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1755	03/03/2006 10:25

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-BHD13-01	SO	X1755-01	02/27/2006 08:50	
DL-BHD13-01D	SO	X1755-02	02/27/2006 08:50	FD
DL-SD01-D	SO	X1755-15	03/02/2006 13:36	FD
DL-SD01-O	SO	X1755-14	03/02/2006 13:24	
DL-SD03-O	SO	X1755-12	03/02/2006 13:42	
DL-SW01-D	AQ	X1755-19	03/02/2006 13:12	FD
DL-SW01-O	AQ	X1755-18	03/02/2006 13:10	
DL-TB-0227-01	AQ	X1755-03	02/27/2006 17:30	TB
DL-TB-0302-1	AQ	X1755-20	03/02/2006 18:40	TB
DL-TB-0302-2	AQ	X1755-16	03/02/2006 19:30	TB
DL-TB-0302-3	AQ	X1755-13	03/02/2006 20:00	TB

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	8260B	Volatile Organic Compounds by GC/MS	6
SO	8260B	Volatile Organic Compounds by GC/MS	5

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD13-01D	8260B	RE	1,1,1-Trichloroethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,1,1-Trichloroethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,1,1-Trichloroethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,1,2,2-Tetrachloroethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,1,2,2-Tetrachloroethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,1,2,2-Tetrachloroethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,1,2-Trichloroethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,1,2-Trichloroethane	4.4	ug/Kg	U	4.4	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD03-O	8260B	RES	1,1,2-Trichloroethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,1,2-Trichlorotrifluoroethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,1,2-Trichlorotrifluoroethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,1,2-Trichlorotrifluoroethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-TB-0302-2	8260B	RES	1,1,2-Trichlorotrifluoroethane	5.0	ug/L	U	5.0	UJ	10L,12
DL-TB-0302-3	8260B	RES	1,1,2-Trichlorotrifluoroethane	5.0	ug/L	U	5.0	UJ	10L,12
DL-BHD13-01D	8260B	RE	1,1-Dichloroethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,1-Dichloroethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,1-Dichloroethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,1-Dichloroethene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,1-Dichloroethene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,1-Dichloroethene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,2,4-Trichlorobenzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,2,4-Trichlorobenzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,2,4-Trichlorobenzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,2-Dibromo-3-Chloropropane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,2-Dibromo-3-Chloropropane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,2-Dibromo-3-Chloropropane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,2-Dibromoethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,2-Dibromoethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,2-Dibromoethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,2-Dichlorobenzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,2-Dichlorobenzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,2-Dichlorobenzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,2-Dichloroethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,2-Dichloroethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,2-Dichloroethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,2-Dichloropropane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,2-Dichloropropane	4.4	ug/Kg	U	4.4	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD03-O	8260B	RES	1,2-Dichloropropane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,3-Dichlorobenzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,3-Dichlorobenzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,3-Dichlorobenzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	1,4-Dichlorobenzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	1,4-Dichlorobenzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	1,4-Dichlorobenzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	2-Butanone	26	ug/Kg	U	26	UJ	7L
DL-SD01-D	8260B	RES	2-Butanone	22	ug/Kg	U	22	UJ	7L,16
DL-BHD13-01D	8260B	RE	2-Hexanone	26	ug/Kg	U	26	UJ	7L
DL-SD01-D	8260B	RES	2-Hexanone	22	ug/Kg	U	22	UJ	7L
DL-SD03-O	8260B	RES	2-Hexanone	36	ug/Kg	U	36	UJ	7L
DL-BHD13-01D	8260B	RE	4-Methyl-2-Pentanone	26	ug/Kg	U	26	UJ	7L
DL-SD01-D	8260B	RES	4-Methyl-2-Pentanone	22	ug/Kg	U	22	UJ	7L
DL-SD03-O	8260B	RES	4-Methyl-2-Pentanone	36	ug/Kg	U	36	UJ	7L
DL-BHD13-01	8260B	RE	Acetone	22	ug/Kg	U	22	UJ	10L
DL-BHD13-01D	8260B	RE	Acetone	26	ug/Kg	U	26	UJ	7L
DL-SD01-O	8260B	RES	Acetone	10	ug/Kg	JB	18	UJ	32,12,6
DL-TB-0227-01	8260B	RES	Acetone	25	ug/L	U	25	UJ	18,23L,12
DL-TB-0302-2	8260B	RES	Acetone	25	ug/L	U	25	UJ	18,12
DL-TB-0302-3	8260B	RES	Acetone	25	ug/L	U	25	UJ	18,12
DL-BHD13-01D	8260B	RE	Benzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Benzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Benzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Bromodichloromethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Bromodichloromethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Bromodichloromethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Bromoform	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Bromoform	4.4	ug/Kg	U	4.4	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD03-O	8260B	RES	Bromoform	7.1	ug/Kg	U	7.1	UJ	7L
DL-TB-0227-01	8260B	RES	Bromoform	5.0	ug/L	U	5.0	UJ	18,23L,12
DL-BHD13-01D	8260B	RE	Bromomethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Bromomethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Bromomethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-TB-0302-2	8260B	RES	Bromomethane	5.0	ug/L	U	5.0	UJ	18,23L,12
DL-TB-0302-3	8260B	RES	Bromomethane	5.0	ug/L	U	5.0	UJ	18,23L,12
DL-BHD13-01	8260B	RE	Carbon disulfide	4.3	ug/Kg	U	4.3	UJ	23L
DL-BHD13-01D	8260B	RE	Carbon disulfide	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Carbon disulfide	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Carbon disulfide	7.1	ug/Kg	U	7.1	UJ	7L
DL-TB-0227-01	8260B	RES	Carbon disulfide	5.0	ug/L	U	5.0	UJ	18,23L,12
DL-BHD13-01D	8260B	RE	Carbon Tetrachloride	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Carbon Tetrachloride	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Carbon Tetrachloride	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Chlorobenzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Chlorobenzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Chlorobenzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Chloroethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Chloroethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Chloroethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-SW01-D	8260B	RES	Chloroethane	1.0	ug/L	U	1.0	UJ	23L
DL-SW01-O	8260B	RES	Chloroethane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0227-01	8260B	RES	Chloroethane	5.0	ug/L	U	5.0	UJ	18,12
DL-BHD13-01D	8260B	RE	Chloroform	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Chloroform	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Chloroform	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Chloromethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Chloromethane	4.4	ug/Kg	U	4.4	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD03-O	8260B	RES	Chloromethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	cis-1,2-Dichloroethene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	cis-1,2-Dichloroethene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	cis-1,2-Dichloroethene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	cis-1,3-Dichloropropene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	cis-1,3-Dichloropropene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	cis-1,3-Dichloropropene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01	8260B	RE	Cyclohexane	4.3	ug/Kg	U	4.3	UJ	23L
DL-BHD13-01D	8260B	RE	Cyclohexane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Cyclohexane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Cyclohexane	7.1	ug/Kg	U	7.1	UJ	7L
DL-SW01-D	8260B	RES	Cyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-SW01-O	8260B	RES	Cyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-BHD13-01D	8260B	RE	Dibromochloromethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Dibromochloromethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Dibromochloromethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Dichlorodifluoromethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Dichlorodifluoromethane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Dichlorodifluoromethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-TB-0227-01	8260B	RES	Dichlorodifluoromethane	5.0	ug/L	U	5.0	UJ	23L,12
DL-TB-0302-2	8260B	RES	Dichlorodifluoromethane	5.0	ug/L	U	5.0	UJ	10L,12
DL-TB-0302-3	8260B	RES	Dichlorodifluoromethane	5.0	ug/L	U	5.0	UJ	10L,12
DL-BHD13-01D	8260B	RE	Ethyl Benzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Ethyl Benzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Ethyl Benzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Isopropylbenzene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Isopropylbenzene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Isopropylbenzene	7.1	ug/Kg	U	7.1	UJ	7L
DL-TB-0302-1	8260B	RES	Isopropylbenzene	1.0	ug/L	U	1.0	UJ	10L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD13-01D	8260B	RE	m/p-Xylenes	10	ug/Kg	U	10	UJ	7L
DL-SD01-D	8260B	RES	m/p-Xylenes	8.9	ug/Kg	U	8.9	UJ	7L
DL-SD03-O	8260B	RES	m/p-Xylenes	14	ug/Kg	U	14	UJ	7L
DL-BHD13-01D	8260B	RE	Methyl Acetate	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Methyl Acetate	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Methyl Acetate	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Methyl tert-butyl Ether	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Methyl tert-butyl Ether	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Methyl tert-butyl Ether	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Methylcyclohexane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Methylcyclohexane	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Methylcyclohexane	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Methylene Chloride	5.1	ug/Kg	U	5.1	UJ	7L,16
DL-SD01-D	8260B	RES	Methylene Chloride	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Methylene Chloride	3.5	ug/Kg	JB	7.1	UJ	32,7L,6
DL-TB-0227-01	8260B	RES	Methylene Chloride	5.0	ug/L	U	5.0	UJ	18,12
DL-TB-0302-2	8260B	RES	Methylene Chloride	5.0	ug/L	U	5.0	UJ	23L,12
DL-TB-0302-3	8260B	RES	Methylene Chloride	5.0	ug/L	U	5.0	UJ	23L,12
DL-BHD13-01D	8260B	RE	o-Xylene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	o-Xylene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	o-Xylene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Styrene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Styrene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Styrene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	t-1,3-Dichloropropene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	t-1,3-Dichloropropene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	t-1,3-Dichloropropene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Tetrachloroethene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD03-O	8260B	RES	Tetrachloroethene	7.1	ug/Kg	U	7.1	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1755
Date Completed: August 07, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-BHD13-01D	8260B	RE	Toluene	5.1	ug/Kg	U	5.1	UJ	7L,16
DL-SD01-D	8260B	RES	Toluene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Toluene	30	ug/Kg		30	J-	7L
DL-BHD13-01D	8260B	RE	trans-1,2-Dichloroethene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	trans-1,2-Dichloroethene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	trans-1,2-Dichloroethene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Trichloroethene	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Trichloroethene	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Trichloroethene	7.1	ug/Kg	U	7.1	UJ	7L
DL-BHD13-01D	8260B	RE	Trichlorofluoromethane	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Trichlorofluoromethane	13	ug/Kg		13	UJ	15,7L
DL-SD03-O	8260B	RES	Trichlorofluoromethane	7.1	ug/Kg	U	7.1	UJ	7L
DL-SW01-D	8260B	RES	Trichlorofluoromethane	1.0	ug/L	U	1.0	UJ	23L
DL-SW01-O	8260B	RES	Trichlorofluoromethane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0227-01	8260B	RES	Trichlorofluoromethane	5.0	ug/L	U	5.0	UJ	18,12
DL-TB-0302-2	8260B	RES	Trichlorofluoromethane	5.0	ug/L	U	5.0	UJ	23L,12
DL-TB-0302-3	8260B	RES	Trichlorofluoromethane	5.0	ug/L	U	5.0	UJ	23L,12
DL-BHD13-01D	8260B	RE	Vinyl chloride	5.1	ug/Kg	U	5.1	UJ	7L
DL-SD01-D	8260B	RES	Vinyl chloride	4.4	ug/Kg	U	4.4	UJ	7L
DL-SD03-O	8260B	RES	Vinyl chloride	7.1	ug/Kg	U	7.1	UJ	7L

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
7L	Surrogate recovery outside control limits. Result has a low bias.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
15	Trip blank contamination impacted positive result.
16	Field duplicate RPD exceeded control limits.
18	Initial calibration calibration coefficient exceeded control limits.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.

32	Non-detect, concentration is same as method blank

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1817
Date Completed: 5/1/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes – Dissolved metals results reported in SDG X1848. Trip blank collected at 17:45 on 3/3/06 assigned two unique lab numbers and analyzed twice.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	No – Field duplicate collected. Trip Blanks included with samples collected 3/3/06 and delivered on 3/6/06. Trip blank not included with 3/3/06 sample delivery.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes - .
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Elevated RLs for ketones and metals.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Sample DL-MWD06-01 analyzed at dilution for calcium.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1817
Date Completed: 5/1/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes - See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes - See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	Yes
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	Yes - See Surrogate Outlier Report Lab applied control limits differed from those in validation library. Recoveries within lab limits. No data qualified based on surrogate recoveries.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No – See MS/MSD Outlier Report 4X rule applied to Al, Ca, Fe, Mg, Mn and Na. No zinc recovery from MS/MSD/Post Spike. LCS recovery acceptable. Results qualified "J".
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No - See LCS Outlier Report. Lab applied control limits different from those in reference library. Data qualified based on lab determined outliers. Acetone results qualified UJ. Caprolactam results qualified "UJ/R" based on MS/MSD/LCS results.
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Sample DL-MWD06-01 analyzed at dilution for calcium.
Do field duplicate results show good precision for all compounds except TICs?	No – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1817
Date Completed: 5/1/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	Yes .
GC/MS	Does initial calibration meet criteria for all positive target compounds?	No – Methyl acetate and acetone %D >30% (corr. coeff. >0.990)
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No - Dichlorodilfuoromethane, chloromethane, methylcyclohexane, acetone, carbon disulfide, and tetrachloroethene %D >25%. Benzo(k)fluoranthene and indeno(1,2,3-cd)pyrene %D >25%.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – Al, Ca, Fe, Pb, Mg, Mn, K, and Na qualified "J".
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No
GC	Were all positive target compounds confirmed on a second column?	Yes
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	NA

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1817
Date Completed: 5/1/2006	Data Validation Chemist: B. Krajewski

Summary of Potential Impacts on Data Usability
Major Concerns
Caprolactam results qualified “R” or “UJ” based on low MS/MSD/LCS recovery. Zinc not recovered from MS/MSD/Post spike. Results qualified “J”.
Minor Concerns
Several metals results qualified “J” based on serial dilution results.

Key:

ADR	=	Automated Data Review
AP	=	Acid Phenol
BN	=	Base Neutral
CCV	=	Continuing calibration verification
COC	=	Chain-of-custody
CVAA	=	Cold Vapor Automatic Absorption
GC	=	Gas Chromatography
GC/MS	=	Gas Chromatography/Mass Spectrometry
ICP	=	Inductively Coupled Plasma Argon Spectrometry
ICS	=	Interference check standard
ICV	=	Initial calibration verification
NA	=	Not Applicable
LCS	=	Laboratory Control Sample
MS/MSD	=	Matrix Spike/Matrix Spike Duplicate
QAPP	=	Quality Assurance Project Plan
QC	=	Quality Control
SD	=	Serial Dilution
SVOCs	=	Semivolatile Organic Compounds
TIC	=	Tentatively Identified Compound
VOCs	=	Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1817
Date Completed: May 01, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1817	03/06/2006 10:05

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-SW03-O	AQ	X1817-03	03/02/2006 13:40	
DL-MWE12-01	AQ	X1817-07	03/03/2006 10:50	
DL-MWE12-01-D	AQ	X1817-08	03/03/2006 10:55	
DL-MWF03-01	AQ	X1817-14	03/03/2006 13:30	
DL-MWH10-01	AQ	X1817-15	03/03/2006 16:00	
DL-MWH10-01DUP	AQ	X1817-15D	03/03/2006 16:00	DUP
DL-MWH10-01MS	AQ	X1817-16MS	03/03/2006 16:00	MS
DL-MWH10-01MSD	AQ	X1817-17MSD	03/03/2006 16:00	MSD
DL-MWK09-01	AQ	X1817-10	03/03/2006 17:00	
DL-MWD06-01	AQ	X1817-12	03/03/2006 12:35	
DL-SW02-O	AQ	X1817-02	03/02/2006 13:16	
TB	AQ	X1817-20	03/03/2006 17:45	
DL-SW04-O	AQ	X1817-01	03/02/2006 14:40	
DL-SW05-O	AQ	X1817-04	03/02/2006 15:00	
DL-SW06-O	AQ	X1817-05	03/02/2006 15:25	
DL-SW07-O	AQ	X1817-06	03/02/2006 15:42	
DL-SW08-0	AQ	X1817-19	03/03/2006 08:58	
DL-TB-0303-01	AQ	X1817-13	03/03/2006 17:45	
DL-TB-0303-02	AQ	X1817-09	03/03/2006 18:30	
DL-TB-0303-4	AQ	X1817-18	03/03/2006 16:55	
DL-MWL13-01	AQ	X1817-11	03/03/2006 15:30	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	11
AQ	7470A	Mercury in Liquid Waste by Manual Cold Vapor Technique	11
AQ	8081B	Organochlorine Pesticides by GC using ECD	7
AQ	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	7
AQ	8260B	Volatile Organic Compounds by GC/MS	12

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1817
Date Completed: May 01, 2006	Data Validation Chemist: BKrajewski

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	8270C	Semi-Volatile Organic Compounds by GC/MS	7

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-01	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	10L,23L,18
DL-MWD06-01	6010B	RES	Aluminum	61600	ug/L		61600	J	31
DL-MWD06-01	6010B	RES	Antimony	103	ug/L		103	J-	8L
DL-MWD06-01	6010B	RES	Arsenic	84.6	ug/L		84.6	J	26
DL-MWD06-01	6010B	RES	Barium	826	ug/L		826	J-	8L
DL-MWD06-01	6010B	RES	Beryllium	5.5	ug/L		5.5	J-	8L
DL-MWD06-01	6010B	DL	Calcium	221000	ug/L		221000	J	31
DL-MWD06-01	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L
DL-MWD06-01	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWD06-01	6010B	RES	Chromium	272	ug/L		272	J-	8L
DL-MWD06-01	6010B	RES	Cobalt	73.2	ug/L		73.2	J-	8L
DL-MWD06-01	6010B	RES	Copper	888	ug/L		888	J-	8L
DL-MWD06-01	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWD06-01	6010B	RES	Iron	256000	ug/L		256000	J	31
DL-MWD06-01	6010B	RES	Lead	728	ug/L		728	J	8L,31
DL-MWD06-01	6010B	RES	Magnesium	585000	ug/L		585000	J	31
DL-MWD06-01	6010B	RES	Manganese	5570	ug/L		5570	J	31
DL-MWD06-01	7470A	RES	Mercury	2.009	ug/L		2.009	J+	8H
DL-MWD06-01	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-MWD06-01	6010B	RES	Nickel	235	ug/L		235	J-	8L
DL-MWD06-01	6010B	RES	Potassium	26500	ug/L		26500	J	31
DL-MWD06-01	6010B	RES	Silver	10.8	ug/L		10.8	J-	8L
DL-MWD06-01	6010B	RES	Sodium	49400	ug/L		49400	J	31
DL-MWD06-01	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-MWD06-01	6010B	RES	Vanadium	252	ug/L		252	J-	8L

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-01	6010B	RES	Zinc	967	ug/L		967	J-	8L
DL-MWE12-01	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	10L,18
DL-MWE12-01	6010B	RES	Aluminum	19900	ug/L		19900	J	31
DL-MWE12-01	6010B	RES	Antimony	22.7	ug/L	J	22.7	UJ	32,12,8L,6,16
DL-MWE12-01	6010B	RES	Arsenic	18.1	ug/L		18.1	J	26
DL-MWE12-01	6010B	RES	Barium	311	ug/L		311	J-	8L
DL-MWE12-01	8260B	RES	Bromoform	1.0	ug/L	U	1.0	UJ	22L
DL-MWE12-01	6010B	RES	Calcium	333000	ug/L		333000	J	31
DL-MWE12-01	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L
DL-MWE12-01	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWE12-01	6010B	RES	Chromium	34.3	ug/L		34.3	J-	8L
DL-MWE12-01	6010B	RES	Copper	114	ug/L		114	J-	8L
DL-MWE12-01	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWE12-01	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWE12-01	6010B	RES	Iron	50300	ug/L		50300	J	31
DL-MWE12-01	6010B	RES	Lead	2060	ug/L		2060	J	8L,31
DL-MWE12-01	6010B	RES	Magnesium	70200	ug/L		70200	J	31
DL-MWE12-01	6010B	RES	Manganese	3410	ug/L		3410	J	31
DL-MWE12-01	7470A	RES	Mercury	1.23	ug/L		1.23	J+	8H
DL-MWE12-01	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-MWE12-01	8260B	RES	Methylcyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-MWE12-01	6010B	RES	Nickel	83.0	ug/L		83.0	J-	8L
DL-MWE12-01	6010B	RES	Potassium	21900	ug/L		21900	J	31
DL-MWE12-01	6010B	RES	Sodium	354000	ug/L		354000	J	31
DL-MWE12-01	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-MWE12-01	6010B	RES	Zinc	1150	ug/L		1150	J-	8L
DL-MWE12-01-D	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	10L,18
DL-MWE12-01-D	6010B	RES	Aluminum	17900	ug/L		17900	J	31
DL-MWE12-01-D	6010B	RES	Antimony	8.1	ug/L	J	8.1	UJ	32,12,8L,6

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWE12-01-D	6010B	RES	Arsenic	12.4	ug/L		12.4	J	26
DL-MWE12-01-D	6010B	RES	Barium	270	ug/L		270	J-	8L
DL-MWE12-01-D	8260B	RES	Bromoform	1.0	ug/L	U	1.0	UJ	22L
DL-MWE12-01-D	6010B	RES	Calcium	356000	ug/L		356000	J	31
DL-MWE12-01-D	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L
DL-MWE12-01-D	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWE12-01-D	6010B	RES	Chromium	29.5	ug/L		29.5	J-	8L
DL-MWE12-01-D	6010B	RES	Copper	91.6	ug/L		91.6	J-	8L
DL-MWE12-01-D	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWE12-01-D	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWE12-01-D	6010B	RES	Iron	49800	ug/L		49800	J	31
DL-MWE12-01-D	6010B	RES	Lead	1770	ug/L		1770	J	8L,31
DL-MWE12-01-D	6010B	RES	Magnesium	73300	ug/L		73300	J	31
DL-MWE12-01-D	6010B	RES	Manganese	3370	ug/L		3370	J	31
DL-MWE12-01-D	7470A	RES	Mercury	1.04	ug/L		1.04	J+	8H
DL-MWE12-01-D	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-MWE12-01-D	8260B	RES	Methylcyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-MWE12-01-D	6010B	RES	Nickel	80.2	ug/L		80.2	J-	8L
DL-MWE12-01-D	6010B	RES	Potassium	20100	ug/L		20100	J	31
DL-MWE12-01-D	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L,16
DL-MWE12-01-D	6010B	RES	Sodium	335000	ug/L		335000	J	31
DL-MWE12-01-D	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-MWE12-01-D	6010B	RES	Zinc	821	ug/L		821	J-	8L
DL-MWF03-01	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	10L,18
DL-MWF03-01	6010B	RES	Aluminum	40500	ug/L		40500	J	31
DL-MWF03-01	6010B	RES	Arsenic	29.7	ug/L		29.7	J	26
DL-MWF03-01	6010B	RES	Barium	510	ug/L		510	J-	8L
DL-MWF03-01	8260B	RES	Bromoform	1.0	ug/L	U	1.0	UJ	22L
DL-MWF03-01	6010B	RES	Calcium	215000	ug/L		215000	J	31

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWF03-01	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L
DL-MWF03-01	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWF03-01	6010B	RES	Chromium	83.1	ug/L		83.1	J-	8L
DL-MWF03-01	6010B	RES	Copper	191	ug/L		191	J-	8L
DL-MWF03-01	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWF03-01	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWF03-01	6010B	RES	Iron	115000	ug/L		115000	J	31
DL-MWF03-01	6010B	RES	Lead	472	ug/L		472	J	8L,31
DL-MWF03-01	6010B	RES	Magnesium	57100	ug/L		57100	J	31
DL-MWF03-01	6010B	RES	Manganese	1440	ug/L		1440	J	31
DL-MWF03-01	7470A	RES	Mercury	0.8600	ug/L		0.8600	J+	8H
DL-MWF03-01	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-MWF03-01	8260B	RES	Methylcyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-MWF03-01	6010B	RES	Nickel	152	ug/L		152	J-	8L
DL-MWF03-01	6010B	RES	Potassium	19700	ug/L		19700	J	31
DL-MWF03-01	6010B	RES	Sodium	49700	ug/L		49700	J	31
DL-MWF03-01	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-MWF03-01	6010B	RES	Vanadium	86.4	ug/L		86.4	J-	8L
DL-MWF03-01	6010B	RES	Zinc	514	ug/L		514	J-	8L
DL-MWH10-01	8260B	RES	1,2-Dibromoethane	1.0	ug/L	U	1.0	UJ	9
DL-MWH10-01	8260B	RES	1,4-Dichlorobenzene	4.1	ug/L		4.1	J+	8H
DL-MWH10-01	8260B	RES	2-Butanone	5.0	ug/L	U	5.0	UJ	9,12
DL-MWH10-01	8260B	RES	2-Hexanone	5.0	ug/L	U	5.0	UJ	9,12
DL-MWH10-01	8270C	RES	3,3-Dichlorobenzidine	10	ug/L	U	10	UJ	9,8L
DL-MWH10-01	8260B	RES	4-Methyl-2-Pentanone	5.0	ug/L	U	5.0	UJ	9,12
DL-MWH10-01	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	9,8L
DL-MWH10-01	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	9,23L,10L,18
DL-MWH10-01	6010B	RES	Aluminum	24900	ug/L		24900	J	31
DL-MWH10-01	6010B	RES	Antimony	8.1	ug/L	J	8.1	UJ	32,12,8L,6

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWH10-01	6010B	RES	Arsenic	11.6	ug/L		11.6	J	26
DL-MWH10-01	6010B	RES	Barium	426	ug/L		426	J-	8L
DL-MWH10-01	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	8L
DL-MWH10-01	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWH10-01	8260B	RES	Bromoform	1.0	ug/L	U	1.0	UJ	9
DL-MWH10-01	8260B	RES	Bromomethane	1.0	ug/L	U	1.0	UJ	9
DL-MWH10-01	6010B	RES	Calcium	321000	ug/L		321000	J	31
DL-MWH10-01	8270C	RES	Caprolactam	10	ug/L	U	10	R	9,10L,8L
DL-MWH10-01	8260B	RES	Chlorobenzene	29	ug/L		29	J+	8H
DL-MWH10-01	8260B	RES	Chloroethane	1.0	ug/L	U	1.0	UJ	9
DL-MWH10-01	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	9,23L
DL-MWH10-01	6010B	RES	Chromium	43.3	ug/L		43.3	J-	8L
DL-MWH10-01	6010B	RES	Copper	76.6	ug/L		76.6	J-	8L
DL-MWH10-01	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	9
DL-MWH10-01	6010B	RES	Iron	113000	ug/L		113000	J	31
DL-MWH10-01	6010B	RES	Lead	171	ug/L		171	J	8L,31
DL-MWH10-01	6010B	RES	Magnesium	90300	ug/L		90300	J	31
DL-MWH10-01	6010B	RES	Manganese	2370	ug/L		2370	J	31
DL-MWH10-01	7470A	RES	Mercury	0.7500	ug/L		0.7500	J+	8H
DL-MWH10-01	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	9,8L,18
DL-MWH10-01	8270C	RES	Naphthalene	23	ug/L		23	J	9,8L
DL-MWH10-01	6010B	RES	Nickel	94.7	ug/L		94.7	J-	8L
DL-MWH10-01	6010B	RES	Potassium	23200	ug/L		23200	J	31
DL-MWH10-01	6010B	RES	Sodium	112000	ug/L		112000	J	31
DL-MWH10-01	8260B	RES	Styrene	1.0	ug/L	U	1.0	UJ	9
DL-MWH10-01	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-MWH10-01	6010B	RES	Vanadium	53.0	ug/L		53.0	J-	8L
DL-MWH10-01	6010B	RES	Zinc	124	ug/L		124	J-	8L
DL-MWK09-01	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	18,23L

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWK09-01	8260B	RES	Carbon disulfide	1.0	ug/L	U	1.0	UJ	23L
DL-MWK09-01	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWK09-01	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-MWK09-01	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L
DL-MWL13-01	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	18,23L
DL-MWL13-01	8260B	RES	Carbon disulfide	1.0	ug/L	U	1.0	UJ	23L
DL-MWL13-01	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-MWL13-01	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-MWL13-01	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L
DL-SW02-O	6010B	RES	Antimony	8.8	ug/L	J	8.8	UJ	32,12,8L,6
DL-SW02-O	6010B	RES	Arsenic	10.0	ug/L	U	10.0	UJ	26
DL-SW02-O	6010B	RES	Beryllium	5.0	ug/L	U	5.0	UJ	8L
DL-SW02-O	6010B	RES	Calcium	60300	ug/L		60300	J	31
DL-SW02-O	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-SW02-O	6010B	RES	Iron	202	ug/L		202	J	31
DL-SW02-O	6010B	RES	Magnesium	10400	ug/L		10400	J	31
DL-SW02-O	6010B	RES	Manganese	40.4	ug/L		40.4	J	31
DL-SW02-O	6010B	RES	Nickel	40.0	ug/L	U	40.0	UJ	8L
DL-SW02-O	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SW02-O	6010B	RES	Sodium	44900	ug/L		44900	J	31
DL-SW02-O	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-SW02-O	6010B	RES	Vanadium	50.0	ug/L	U	50.0	UJ	8L
DL-SW02-O	6010B	RES	Zinc	20.8	ug/L		20.8	J-	8L
DL-SW03-O	6010B	RES	Antimony	60.0	ug/L	U	60.0	UJ	8L
DL-SW03-O	6010B	RES	Arsenic	10.0	ug/L	U	10.0	UJ	26
DL-SW03-O	6010B	RES	Beryllium	5.0	ug/L	U	5.0	UJ	8L
DL-SW03-O	6010B	RES	Calcium	54500	ug/L		54500	J	31
DL-SW03-O	6010B	RES	Chromium	10.0	ug/L	U	10.0	UJ	8L
DL-SW03-O	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L

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Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SW03-O	6010B	RES	Iron	200	ug/L		200	J	31
DL-SW03-O	6010B	RES	Lead	5.0	ug/L	U	5.0	UJ	31L,8L
DL-SW03-O	6010B	RES	Magnesium	9430	ug/L		9430	J	31
DL-SW03-O	6010B	RES	Manganese	31.5	ug/L		31.5	J	31
DL-SW03-O	6010B	RES	Nickel	40.0	ug/L	U	40.0	UJ	8L
DL-SW03-O	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SW03-O	6010B	RES	Sodium	45200	ug/L		45200	J	31
DL-SW03-O	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-SW03-O	6010B	RES	Vanadium	50.0	ug/L	U	50.0	UJ	8L
DL-SW04-O	8270C	RES	2,4,5-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	2,4,6-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	2,4-Dichlorophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	2,4-Dimethylphenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	2,4-Dinitrophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	2-Chlorophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	2-Methylphenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	2-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	3+4-Methylphenols	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	4,6-Dinitro-2-methylphenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	4-Chloro-3-methylphenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	10L,18
DL-SW04-O	8270C	RES	Acetophenone	10	ug/L	U	10	UJ	7L
DL-SW04-O	6010B	RES	Antimony	60.0	ug/L	U	60.0	UJ	8L
DL-SW04-O	6010B	RES	Arsenic	10.0	ug/L	U	10.0	UJ	26
DL-SW04-O	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L
DL-SW04-O	6010B	RES	Beryllium	5.0	ug/L	U	5.0	UJ	8L
DL-SW04-O	8260B	RES	Bromoform	1.0	ug/L	U	1.0	UJ	22L
DL-SW04-O	6010B	RES	Calcium	57800	ug/L		57800	J	31

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SW04-O	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L
DL-SW04-O	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-SW04-O	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-SW04-O	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	23L
DL-SW04-O	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-SW04-O	6010B	RES	Iron	173	ug/L		173	J	31
DL-SW04-O	6010B	RES	Magnesium	10100	ug/L		10100	J	31
DL-SW04-O	6010B	RES	Manganese	35.2	ug/L		35.2	J	31
DL-SW04-O	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-SW04-O	8260B	RES	Methylcyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-SW04-O	6010B	RES	Nickel	40.0	ug/L	U	40.0	UJ	8L
DL-SW04-O	8270C	RES	Pentachlorophenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	8270C	RES	Phenol	10	ug/L	U	10	UJ	7L
DL-SW04-O	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SW04-O	6010B	RES	Sodium	46500	ug/L		46500	J	31
DL-SW04-O	6010B	RES	Vanadium	50.0	ug/L	U	50.0	UJ	8L
DL-SW04-O	6010B	RES	Zinc	21.3	ug/L		21.3	J-	8L
DL-SW05-O	6010B	RES	Antimony	6.3	ug/L	J	6.3	UJ	32,12,8L,6
DL-SW05-O	6010B	RES	Arsenic	10.0	ug/L	U	10.0	UJ	26
DL-SW05-O	6010B	RES	Beryllium	5.0	ug/L	U	5.0	UJ	8L
DL-SW05-O	6010B	RES	Calcium	60000	ug/L		60000	J	31
DL-SW05-O	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-SW05-O	6010B	RES	Iron	184	ug/L		184	J	31
DL-SW05-O	6010B	RES	Magnesium	10500	ug/L		10500	J	31
DL-SW05-O	6010B	RES	Manganese	33.4	ug/L		33.4	J	31
DL-SW05-O	6010B	RES	Nickel	40.0	ug/L	U	40.0	UJ	8L
DL-SW05-O	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SW05-O	6010B	RES	Sodium	47400	ug/L		47400	J	31
DL-SW05-O	6010B	RES	Thallium	11.7	ug/L		11.7	J-	8L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1817
Date Completed: May 01, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SW05-O	6010B	RES	Vanadium	50.0	ug/L	U	50.0	UJ	8L
DL-SW06-O	6010B	RES	Antimony	11.5	ug/L	J	11.5	UJ	32,12,8L,6
DL-SW06-O	6010B	RES	Arsenic	10.0	ug/L	U	10.0	UJ	26
DL-SW06-O	6010B	RES	Beryllium	5.0	ug/L	U	5.0	UJ	8L
DL-SW06-O	6010B	RES	Calcium	53300	ug/L		53300	J	31
DL-SW06-O	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-SW06-O	6010B	RES	Iron	240	ug/L		240	J	31
DL-SW06-O	6010B	RES	Lead	5.1	ug/L		5.1	J	8L,31
DL-SW06-O	6010B	RES	Magnesium	9230	ug/L		9230	J	31
DL-SW06-O	6010B	RES	Manganese	31.0	ug/L		31.0	J	31
DL-SW06-O	6010B	RES	Nickel	40.0	ug/L	U	40.0	UJ	8L
DL-SW06-O	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SW06-O	6010B	RES	Sodium	42600	ug/L		42600	J	31
DL-SW06-O	6010B	RES	Vanadium	50.0	ug/L	U	50.0	UJ	8L
DL-SW07-O	6010B	RES	Antimony	11.0	ug/L	J	11.0	UJ	32,12,8L,6
DL-SW07-O	6010B	RES	Arsenic	10.0	ug/L	U	10.0	UJ	26
DL-SW07-O	6010B	RES	Beryllium	5.0	ug/L	U	5.0	UJ	8L
DL-SW07-O	6010B	RES	Calcium	56700	ug/L		56700	J	31
DL-SW07-O	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-SW07-O	6010B	RES	Iron	182	ug/L		182	J	31
DL-SW07-O	6010B	RES	Magnesium	9900	ug/L		9900	J	31
DL-SW07-O	6010B	RES	Manganese	31.0	ug/L		31.0	J	31
DL-SW07-O	6010B	RES	Nickel	40.0	ug/L	U	40.0	UJ	8L
DL-SW07-O	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SW07-O	6010B	RES	Sodium	45800	ug/L		45800	J	31
DL-SW07-O	6010B	RES	Thallium	10.0	ug/L	U	10.0	UJ	8L
DL-SW07-O	6010B	RES	Vanadium	50.0	ug/L	U	50.0	UJ	8L
DL-SW08-0	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L
DL-SW08-0	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1817
Date Completed: May 01, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SW08-0	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-TB-0303-01	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	18,23L
DL-TB-0303-01	8260B	RES	Carbon disulfide	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-01	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-01	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-TB-0303-01	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-02	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	18,23L
DL-TB-0303-02	8260B	RES	Carbon disulfide	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-02	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-02	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-TB-0303-02	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-4	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	18,23L
DL-TB-0303-4	8260B	RES	Carbon disulfide	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-4	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-4	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
DL-TB-0303-4	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L
TB	8260B	RES	Acetone	5.0	ug/L	U	5.0	UJ	18,23L
TB	8260B	RES	Carbon disulfide	1.0	ug/L	U	1.0	UJ	23L
TB	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
TB	8260B	RES	Methyl Acetate	1.0	ug/L	U	1.0	UJ	18
TB	8260B	RES	Tetrachloroethene	1.0	ug/L	U	1.0	UJ	23L

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
7L	Surrogate recovery outside control limits. Result has a low bias.
8H	Matrix spike recovery outside control limits. Result has a high bias.
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.

16	Field duplicate RPD exceeded control limits.
18	Initial calibration calibration coefficient exceeded control limits.
22L	Continuing calibration verification relative response factor exceeded control limits. Result has a low bias.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
26	Laboratory duplicate RPD exceeded control limits.
31	Result qualified based on professional judgement.
31L	Result qualified based on professional judgement. Result has a low bias.
32	Non-detect, concentration is same as method blank

Laboratory Duplicate RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/10/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported RPD	Project Limit RPD
DL-MWH10-01DUP	X1817-15D	AQ	Arsenic	62.0	20.00

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/20/2006

Preparation Batch : PB10774B **Preparation Type :** 3510C **Preparation Date :** 03/08/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
PB10774BS	AQ	Benzaldehyde	36		10.00	70.00	130.00	20.00
		Benzo(a)pyrene	104		10.00	58.00	102.00	20.00
		Benzo(b)fluoranthene	122		10.00	49.00	116.00	20.00
		Caprolactam	11		10.00	70.00	130.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWD06-01	X1817-12
DL-MWE12-01	X1817-07
DL-MWE12-01-D	X1817-08
DL-MWF03-01	X1817-14
DL-MWH10-01	X1817-15
DL-SW04-O	X1817-01
DL-SW08-0	X1817-19

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8081B **Analysis Method :** 8081B **Analysis Date :** 03/26/2006

Preparation Batch : PB10776 **Preparation Type :** 5030B **Preparation Date :** 03/08/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10776BS	AQ	Aldrin	130		10.00	71.00	129.00	20.00
		beta-BHC	130		10.00	63.00	129.00	20.00
		Endrin	128		10.00	70.00	118.00	20.00
		Heptachlor	132		10.00	77.00	131.00	20.00
		Methoxychlor	128		10.00	70.00	126.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWD06-01	X1817-12
DL-MWE12-01	X1817-07
DL-MWE12-01-D	X1817-08
DL-MWF03-01	X1817-14
DL-MWH10-01	X1817-15
DL-SW04-O	X1817-01
DL-SW08-0	X1817-19

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/10/2006

Preparation Batch : VBD0310W2 **Preparation Type :** 5030B **Preparation Date :** 03/10/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSD0310W2	AQ	Acetone	173		10.00	20.00	150.00	20.00
		Methyl Acetate	187		10.00	37.70	150.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWK09-01	X1817-10
DL-MWL13-01	X1817-11
DL-TB-0303-01	X1817-13
DL-TB-0303-02	X1817-09
DL-TB-0303-4	X1817-18
TB	X1817-20

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Method Blank Outlier Report

Lab Reporting Batch : X1817
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/10/2006
Preparation Type : 3010A
Preparation Date : 03/09/2006
Method Blank Lab Sample ID : PB10792BL
Preparation Batch : PB10792

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-8.310**	**200.000**	**ug/L**	**J**	

Aluminum contamination found in the method blank did not qualify any samples.

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**5.180**	**60.000**	**ug/L**	**J**	

Antimony was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWE12-01	X1817-07	1	22.7	J	ug/L
DL-MWE12-01-D	X1817-08	1	8.1	J	ug/L
DL-MWH10-01	X1817-15	1	8.1	J	ug/L
DL-SW02-O	X1817-02	1	8.8	J	ug/L
DL-SW05-O	X1817-04	1	6.3	J	ug/L
DL-SW06-O	X1817-05	1	11.5	J	ug/L
DL-SW07-O	X1817-06	1	11.0	J	ug/L

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-1.970**	**5000.000**	**ug/L**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.170**	**15.000**	**ug/L**	**J**	

Manganese contamination found in the method blank did not qualify any samples.

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.700**	**20.000**	**ug/L**	**J**	

Zinc contamination found in the method blank did not qualify any samples.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/10/2006

Preparation Batch : PB10792 **Preparation Type :** 3010A **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-01MS	X1817-16S	AQ	Aluminum	-467		30.00	80.00	120.00	20.00
			Antimony	75.7		30.00	80.00	120.00	20.00
			Barium	20.4		30.00	80.00	120.00	20.00
			Beryllium	79.9		30.00	80.00	120.00	20.00
			Calcium	12389		30.00	80.00	120.00	20.00
			Chromium	60.8		30.00	80.00	120.00	20.00
			Cobalt	49.8		30.00	80.00	120.00	20.00
			Copper	45.3		30.00	80.00	120.00	20.00
			Iron	-1062		30.00	80.00	120.00	20.00
			Lead	75.3		30.00	80.00	120.00	20.00
			Magnesium	-1723		30.00	80.00	120.00	20.00
			Manganese	-674		30.00	80.00	120.00	20.00
			Nickel	66.4		30.00	80.00	120.00	20.00
			Silver	68.7		30.00	80.00	120.00	20.00
			Sodium	166.2		30.00	80.00	120.00	20.00
			Vanadium	70.0		30.00	80.00	120.00	20.00
			Zinc	-7.8		30.00	80.00	120.00	20.00
DL-MWH10-01MSD	X1817-17SD		Aluminum	-464		30.00	80.00	120.00	20.00
			Antimony	75.4		30.00	80.00	120.00	20.00
			Barium	21.5		30.00	80.00	120.00	20.00
			Calcium	12291		30.00	80.00	120.00	20.00
			Chromium	61.2		30.00	80.00	120.00	20.00
			Cobalt	49.8		30.00	80.00	120.00	20.00
			Copper	45.6		30.00	80.00	120.00	20.00
			Iron	-1047		30.00	80.00	120.00	20.00
			Lead	75.6		30.00	80.00	120.00	20.00
			Magnesium	-1709		30.00	80.00	120.00	20.00
			Manganese	-671		30.00	80.00	120.00	20.00
			Nickel	67.4		30.00	80.00	120.00	20.00
			Silver	68.8		30.00	80.00	120.00	20.00
			Sodium	187.4		30.00	80.00	120.00	20.00
			Thallium	78.0		30.00	80.00	120.00	20.00
			Vanadium	70.8		30.00	80.00	120.00	20.00
			Zinc	-7.4		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-MWD06-01	X1817-12DL
DL-MWD06-01	X1817-12DL
DL-MWD06-01	X1817-12
DL-MWD06-01	X1817-12
DL-MWE12-01	X1817-07

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

DL-MWE12-01-D	X1817-08
DL-MWF03-01	X1817-14
DL-MWH10-01	X1817-15
DL-SW02-O	X1817-02
DL-SW03-O	X1817-03
DL-SW04-O	X1817-01
DL-SW05-O	X1817-04
DL-SW06-O	X1817-05
DL-SW07-O	X1817-06

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7470A **Analysis Method :** 7470A **Analysis Date :** 03/10/2006

Preparation Batch : PB10796 **Preparation Type :** 7470A **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-01MSD	X1817-17SD	AQ	Mercury	125.9		30.00	80.00	124.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-MWD06-01	X1817-12
DL-MWE12-01	X1817-07
DL-MWE12-01-D	X1817-08
DL-MWF03-01	X1817-14
DL-MWH10-01	X1817-15
DL-SW02-O	X1817-02
DL-SW03-O	X1817-03
DL-SW04-O	X1817-01
DL-SW05-O	X1817-04
DL-SW06-O	X1817-05
DL-SW07-O	X1817-06

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8081B **Analysis Method :** 8081B **Analysis Date :** 03/16/2006

Preparation Batch : PB10776 **Preparation Type :** 5030B **Preparation Date :** 03/08/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-01MS	X1817-16MS	AQ	Endrin	121		10.00	70.00	118.00	20.00
			Methoxychlor	131		10.00	70.00	126.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-MWH10-01	X1817-15

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/10/2006

Preparation Batch : VBD0310W2 **Preparation Type :** 5030B **Preparation Date :** 03/10/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-01MS	X1817-16MS	AQ	1,1,2-Trichlorotrifluoroethane	133		10.00	75.00	130.00	20.00
			1,4-Dichlorobenzene	113		10.00	76.60	111.30	20.00
			Chlorobenzene	133		10.00	79.00	121.00	20.00
DL-MWH10-01MSD	X1817-17MSD		1,2-Dibromoethane		26	10.00	76.40	132.50	20.00
			2-Butanone		36	10.00	37.00	159.00	20.00
			2-Hexanone		23	10.00	31.00	147.00	20.00
			4-Methyl-2-Pentanone		23	10.00	61.00	144.00	20.00
			Acetone		24	10.00	20.00	150.00	20.00
			Bromoform		22	10.00	66.00	127.00	20.00
			Bromomethane		31	10.00	75.00	173.00	20.00
			Chloroethane		28	10.00	71.00	150.00	20.00
			Chloromethane		22	10.00	74.00	146.00	20.00
			Dichlorodifluoromethane		21	10.00	74.50	136.60	20.00
			Methyl Acetate	32	65	10.00	37.70	150.00	20.00
			Styrene		21	10.00	80.00	129.00	20.00

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/19/2006

Preparation Batch : PB10774B **Preparation Type :** 3510C **Preparation Date :** 03/08/2006

Lab Reporting Batch : X1817 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-01MS	X1817-16MS	AQ	3,3-Dichlorobenzidine	19		10.00	33.00	121.00	20.00
			Benzaldehyde	20		10.00	70.00	130.00	20.00
			Caprolactam	6		10.00	70.00	130.00	20.00
DL-MWH10-01MSD	X1817-17MSD		1,1-Biphenyl	68		10.00	70.00	130.00	20.00
			2,4,5-Trichlorophenol		23	10.00	43.00	102.00	20.00
			2,4,6-Trichlorophenol		25	10.00	45.00	99.00	20.00
			2,4-Dichlorophenol		24	10.00	50.00	94.00	20.00
			2,4-Dinitrophenol		23	10.00	20.00	112.00	20.00
			2-Chlorophenol		21	10.00	45.00	87.00	20.00
			2-Methylphenol		29	10.00	28.00	89.00	20.00
			2-Nitrophenol		26	10.00	50.00	105.00	20.00
			3,3-Dichlorobenzidine	24	23	10.00	33.00	121.00	20.00
			3+4-Methylphenols		25	10.00	35.00	110.00	20.00
			4,6-Dinitro-2-methylphenol		23	10.00	35.00	105.00	20.00
			4-Nitrophenol	17	26	10.00	20.00	115.00	20.00
			Benzaldehyde	17		10.00	70.00	130.00	20.00
			bis(2-Chloroethoxy)methane	64		10.00	65.00	100.00	20.00
			Caprolactam	8	29	10.00	70.00	130.00	20.00
			Hexachlorobutadiene		22	10.00	44.00	103.00	20.00
			Hexachlorocyclopentadiene		22	10.00	20.00	100.00	20.00
			Naphthalene	54	23	10.00	57.00	99.00	20.00
			Pentachlorophenol		27	10.00	20.00	125.00	20.00
			Phenol		29	10.00	18.00	37.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-MWH10-01	X1817-15

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: X1817 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-MWE12-01	DL-MWE12-01-D	6010B
DL-MWE12-01	DL-MWE12-01-D	7470A
DL-MWE12-01	DL-MWE12-01-D	8081B
DL-MWE12-01	DL-MWE12-01-D	8082
DL-MWE12-01	DL-MWE12-01-D	8260B
DL-MWE12-01	DL-MWE12-01-D	8270C

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
AQ	Aluminum	DL-MWE12-01	RES	19900		DL-MWE12-01-D	RES	17900		10.6	40	ug/L	Good	None
AQ	Antimony		RES	22.7	J		RES	8.1	J	94.8	40	ug/L	Poor	J
AQ	Arsenic		RES	18.1			RES	12.4		37.4	40	ug/L	Good	None
AQ	Barium		RES	311			RES	270		14.1	40	ug/L	Good	None
AQ	Beryllium		RES	1.2	J		RES	1.0	J	18.2	40	ug/L	Good	None
AQ	Cadmium		RES	3.9	J		RES	3.1	J	22.9	40	ug/L	Good	None
AQ	Calcium		RES	333000			RES	356000		6.68	40	ug/L	Good	None
AQ	Chromium		RES	34.3			RES	29.5		15.0	40	ug/L	Good	None
AQ	Cobalt		RES	12.9	J		RES	14.1	J	8.89	40	ug/L	Good	None
AQ	Copper		RES	114			RES	91.6		21.8	40	ug/L	Good	None
AQ	Iron		RES	50300			RES	49800		0.999	40	ug/L	Good	None
AQ	Lead		RES	2060			RES	1770		15.1	40	ug/L	Good	None
AQ	Magnesium		RES	70200			RES	73300		4.32	40	ug/L	Good	None
AQ	Manganese		RES	3410			RES	3370		1.18	40	ug/L	Good	None

Table 4: Field Duplicate Summary Report

Method: 6010B

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual
AQ	Nickel	DL-MWE12-01	RES	83.0		DL-MWE12-01-D	RES	80.2		3.43 40	ug/L	Good	None
AQ	Potassium		RES	21900			RES	20100		8.57 40	ug/L	Good	None
AQ	Sodium		RES	354000			RES	335000		5.52 40	ug/L	Good	None
AQ	Vanadium		RES	44.8	J		RES	39.3	J	13.1 40	ug/L	Good	None
AQ	Zinc		RES	1150			RES	821		33.4 40	ug/L	Good	None

Method: 7470A

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual
AQ	Mercury	DL-MWE12-01	RES	1.23		DL-MWE12-01-D	RES	1.04		16.7 40	ug/L	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

QC Outlier Report: Trip Blank

Lab Reporting Batch : X1817
Lab ID: CCGE
Method/Preparation Batch : VBD0310W2 / 8260B
Analysis Date : 03/10/2006
Client Sample ID : DL-TB-0303-4
Preparation Date : 03/10/2006
Lab Sample ID : X1817-18
Preparation Type : 5030B

Analysis Method : 8260B

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	**8.0**	**1.0**	**ug/L**		**Common Contaminant**

Methylene Chloride contamination found in the trip blank did not qualify any samples.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1848
Date Completed: 5/3/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes – Lab did not distinguish filtered and unfiltered metals samples.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected. Trip Blank included.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes – Batch MS/MSD provided for parameters were additional volume not provided. No data validation based on batch MS/MSD results. LCS frequency correct.
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Elevated RLs for ketones and metals.
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Some samples required analysis at dilutions based on the concentrations of metals present.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1848
Date Completed: 5/3/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes - See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes - See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	No – 2-Fluorophenol recovery low for aqueous method blank. No data qualified.
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	No - See Surrogate Outlier Report BNA surrogates within limits applied by lab except for low 2-fluorophenol recovery for samples DL-MWK09-01 and DL-MWL13-01. No qualifiers applied. TCMX recovery low for sample DL-MWK09-01. DCBP recovery acceptable. No data qualified.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No – See MS/MSD Outlier Report. 4x spike rule applied to calcium, iron, magnesium, potassium and sodium. Zinc recovery below 30% for MS/MSD/Post spike. Non-detected values qualified "R". Benzo(k)fluoroanthene not recovered from soil MS/MSD but LCS acceptable. Results qualified "UJ"
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No – See LCS Outlier Report. Benzo(k)fluoranthene not recovered from LCS and results qualified "R" for samples DL-MWL13-01 and DL-MWK09-01. Benzaldehyde and caprolactam qualified "UJ"
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Some samples required analysis at dilutions based on the concentrations of metals present
Do field duplicate results show good precision for all compounds except TICs?	Yes – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1848
Date Completed: 5/3/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	Yes .
GC/MS	Does initial calibration meet criteria for all positive target compounds?	No – 2,4-Dinitrophenol %RSD >30%.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No – Chloromethane, cyclohexane, and trichlorofluoromethane and 2,4-dinitrophenol >25%D
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – Ca, Fe, Pb, Mg, and Mn qualified “J”.
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No
GC	Were all positive target compounds confirmed on a second column?	Yes
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	NA

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X1848
Date Completed: 5/3/2006	Data Validation Chemist: B. Krajewski

Summary of Potential Impacts on Data Usability
Major Concerns
Zinc recovery below 30% for MS/MSD/Post spike. Benzo(k)fluoranthene not recovered from MS/MSD and one LCS.
Minor Concerns
Metals qualified based on MS/MSD and serial dilution results. BNA LCS recoveries.

Key:

ADR	=	Automated Data Review
AP	=	Acid Phenol
BN	=	Base Neutral
CCV	=	Continuing calibration verification
COC	=	Chain-of-custody
CVAA	=	Cold Vapor Automatic Absorption
GC	=	Gas Chromatography
GC/MS	=	Gas Chromatography/Mass Spectrometry
ICP	=	Inductively Coupled Plasma Argon Spectrometry
ICS	=	Interference check standard
ICV	=	Initial calibration verification
NA	=	Not Applicable
LCS	=	Laboratory Control Sample
MS/MSD	=	Matrix Spike/Matrix Spike Duplicate
QAPP	=	Quality Assurance Project Plan
QC	=	Quality Control
SD	=	Serial Dilution
SVOCs	=	Semivolatile Organic Compounds
TIC	=	Tentatively Identified Compound
VOCs	=	Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1848	03/06/2006 10:05

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-MWD06-01 DIS	AQ	X1848-14	03/03/2006 12:35	
DL-MWE12-01 DIS	AQ	X1848-12	03/03/2006 10:50	
DL-MWE12-01-D DIS	AQ	X1848-13	03/03/2006 10:55	FD
DL-MWF03-01 DIS	AQ	X1848-15	03/03/2006 13:30	
DL-MWH10-01 DIS	AQ	X1848-16	03/03/2006 16:00	
DL-MWH10-01 DISDUP	AQ	X1848-16D	03/03/2006 16:00	DUP
DL-MWH10-01 DISMS	AQ	X1848-17S	03/03/2006 16:00	MS
DL-MWH10-01 DISMSD	AQ	X1848-18SD	03/03/2006 16:00	MSD
DL-MWK09-01	AQ	X1848-04	03/03/2006 17:00	
DL-MWK09-01 DIS	AQ	X1848-10	03/03/2006 17:00	
DL-MWL13-01	AQ	X1848-05	03/03/2006 15:30	
DL-MWL13-01 DIS	AQ	X1848-11	03/03/2006 15:30	
DL-SD08-0	SO	X1848-01	03/03/2006 08:58	
DL-SD08-0MS	SO	X1848-02MS	03/03/2006 08:58	MS
DL-SD08-0MSD	SO	X1848-03MSD	03/03/2006 08:58	MSD
DL-SW08-0	AQ	X1848-06	03/03/2006 08:58	
DL-SW08-0DUP	AQ	X1848-06D	03/03/2006 08:58	DUP
DL-SW08-0MS	AQ	X1848-07S	03/03/2006 08:58	MS
DL-SW08-0MSD	AQ	X1848-08SD	03/03/2006 08:58	MSD
DL-TB-0303-03	AQ	X1848-09	03/03/2006 19:00	TB

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	10
AQ	7470A	Mercury in Liquid Waste by Manual Cold Vapor Technique	10
AQ	8081B	Organochlorine Pesticides by GC using ECD	2
AQ	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	2
AQ	8260B	Volatile Organic Compounds by GC/MS	2

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	8270C	Semi-Volatile Organic Compounds by GC/MS	2
SO	8081B	Organochlorine Pesticides by GC using ECD	1
SO	8270C	Semi-Volatile Organic Compounds by GC/MS	1

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-01 DIS	6010B	RES	Arsenic	6.6	ug/L	J	6.6	UJ	32,12,6
DL-MWD06-01 DIS	6010B	RES	Calcium	96000	ug/L		96000	J	8,31
DL-MWD06-01 DIS	6010B	RES	Chromium	10.0	ug/L	U	10.0	UJ	8L
DL-MWD06-01 DIS	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-MWD06-01 DIS	6010B	RES	Iron	3200	ug/L		3200	J	8L,31
DL-MWD06-01 DIS	6010B	RES	Lead	5.6	ug/L		5.6	J	9,8L,31
DL-MWD06-01 DIS	6010B	RES	Magnesium	18100	ug/L		18100	J	8L,31
DL-MWD06-01 DIS	6010B	RES	Manganese	630	ug/L		630	J	8L,31
DL-MWD06-01 DIS	7470A	RES	Mercury	0.0500	ug/L	J	0.0500	UJ	32,12,6
DL-MWD06-01 DIS	6010B	RES	Selenium	7.6	ug/L	J	7.6	UJ	32,12,6,9
DL-MWD06-01 DIS	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-MWE12-01 DIS	6010B	RES	Calcium	135000	ug/L		135000	J	8,31
DL-MWE12-01 DIS	6010B	RES	Chromium	2.0	ug/L	J	2.0	UJ	32,12,8L,6
DL-MWE12-01 DIS	6010B	RES	Iron	100	ug/L	U	100		31
DL-MWE12-01 DIS	6010B	RES	Lead	6.5	ug/L		6.5	J	9,8L,31
DL-MWE12-01 DIS	6010B	RES	Magnesium	17800	ug/L		17800	J	8L,31
DL-MWE12-01 DIS	6010B	RES	Manganese	1770	ug/L		1770	J	8L,31
DL-MWE12-01 DIS	7470A	RES	Mercury	0.0500	ug/L	J	0.0500	UJ	32,12,6
DL-MWE12-01 DIS	6010B	RES	Selenium	10.0	ug/L	U	10.0	UJ	9
DL-MWE12-01 DIS	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-MWE12-01 DIS	6010B	RES	Zinc	43.1	ug/L		43.1	J-	8L
DL-MWE12-01-D DIS	6010B	RES	Calcium	151000	ug/L		151000	J	8,31
DL-MWE12-01-D DIS	6010B	RES	Chromium	2.7	ug/L	J	2.7	UJ	32,12,8L,6
DL-MWE12-01-D DIS	6010B	RES	Iron	100	ug/L	U	100		31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWE12-01-D DIS	6010B	RES	Lead	5.8	ug/L		5.8	J	9,8L,31
DL-MWE12-01-D DIS	6010B	RES	Magnesium	19700	ug/L		19700	J	8L,31
DL-MWE12-01-D DIS	6010B	RES	Manganese	2120	ug/L		2120	J	8L,31
DL-MWE12-01-D DIS	7470A	RES	Mercury	0.0700	ug/L	J	0.0700	UJ	32,12,6
DL-MWE12-01-D DIS	6010B	RES	Selenium	10.0	ug/L	U	10.0	UJ	9
DL-MWE12-01-D DIS	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-MWE12-01-D DIS	6010B	RES	Zinc	44.4	ug/L		44.4	J-	8L
DL-MWF03-01 DIS	6010B	RES	Calcium	143000	ug/L		143000	J	8,31
DL-MWF03-01 DIS	6010B	RES	Chromium	1.9	ug/L	J	1.9	UJ	32,12,8L,6
DL-MWF03-01 DIS	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-MWF03-01 DIS	6010B	RES	Iron	1350	ug/L		1350	J	8L,31
DL-MWF03-01 DIS	6010B	RES	Lead	6.9	ug/L		6.9	J	9,8L,31
DL-MWF03-01 DIS	6010B	RES	Magnesium	26700	ug/L		26700	J	8L,31
DL-MWF03-01 DIS	6010B	RES	Manganese	330	ug/L		330	J	8L,31
DL-MWF03-01 DIS	7470A	RES	Mercury	0.0500	ug/L	J	0.0500	UJ	32,12,6
DL-MWF03-01 DIS	6010B	RES	Selenium	10.0	ug/L	U	10.0	UJ	9
DL-MWF03-01 DIS	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-MWH10-01 DIS	6010B	RES	Arsenic	7.8	ug/L	J	7.8	UJ	32,12,6
DL-MWH10-01 DIS	6010B	RES	Calcium	81900	ug/L		81900	J	8,31
DL-MWH10-01 DIS	6010B	RES	Chromium	2.5	ug/L	J	2.5	UJ	32,12,8L,6
DL-MWH10-01 DIS	6010B	RES	Iron	24800	ug/L		24800	J	8L,31
DL-MWH10-01 DIS	6010B	RES	Lead	10.4	ug/L		10.4	J	9,8L,31
DL-MWH10-01 DIS	6010B	RES	Magnesium	24200	ug/L		24200	J	8L,31
DL-MWH10-01 DIS	6010B	RES	Manganese	77.0	ug/L		77.0	J	8L,31
DL-MWH10-01 DIS	7470A	RES	Mercury	0.0700	ug/L	J	0.0700	UJ	32,12,6
DL-MWH10-01 DIS	6010B	RES	Selenium	10.0	ug/L	U	10.0	UJ	9
DL-MWH10-01 DIS	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-MWK09-01	8270C	RES	2,4-Dinitrophenol	10	ug/L	U	10	UJ	18,23L
DL-MWK09-01	6010B	RES	Arsenic	7.6	ug/L	J	7.6	UJ	32,12,6

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWK09-01	6010B	RES	Barium	575	ug/L		575	J-	8L
DL-MWK09-01	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L
DL-MWK09-01	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	R	10L
DL-MWK09-01	6010B	DL	Calcium	914000	ug/L		914000	J	8,31
DL-MWK09-01	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L
DL-MWK09-01	6010B	RES	Chromium	156	ug/L		156	J-	8L
DL-MWK09-01	6010B	RES	Copper	124	ug/L		124	J-	8L
DL-MWK09-01	6010B	RES	Iron	91200	ug/L		91200	J	8L,31
DL-MWK09-01	6010B	RES	Lead	147	ug/L		147	J	9,8L,31
DL-MWK09-01	6010B	RES	Magnesium	198000	ug/L		198000	J	8L,31
DL-MWK09-01	6010B	RES	Manganese	2530	ug/L		2530	J	8L,31
DL-MWK09-01	6010B	RES	Selenium	10.0	ug/L	U	10.0	UJ	9
DL-MWK09-01	6010B	RES	Zinc	385	ug/L		385	J-	8L
DL-MWK09-01 DIS	6010B	RES	Barium	229	ug/L		229	J-	8L
DL-MWK09-01 DIS	6010B	RES	Calcium	157000	ug/L		157000	J	8,31
DL-MWK09-01 DIS	6010B	RES	Chromium	2.9	ug/L	J	2.9	UJ	32,12,8L,6
DL-MWK09-01 DIS	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-MWK09-01 DIS	6010B	RES	Iron	100	ug/L	U	100		31
DL-MWK09-01 DIS	6010B	RES	Lead	30.6	ug/L		30.6	J	9,8L,31
DL-MWK09-01 DIS	6010B	RES	Magnesium	38600	ug/L		38600	J	8L,31
DL-MWK09-01 DIS	6010B	RES	Manganese	624	ug/L		624	J	8L,31
DL-MWK09-01 DIS	6010B	RES	Selenium	76.3	ug/L		76.3	J	9
DL-MWK09-01 DIS	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-MWK09-01 DIS	6010B	RES	Zinc	36.0	ug/L		36.0	J-	8L
DL-MWL13-01	8270C	RES	2,4-Dinitrophenol	10	ug/L	U	10	UJ	18,23L
DL-MWL13-01	6010B	RES	Arsenic	10.9	ug/L		10.9	U	32,6
DL-MWL13-01	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L
DL-MWL13-01	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	R	10L
DL-MWL13-01	6010B	RES	Calcium	145000	ug/L		145000	J	8,31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWL13-01	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L
DL-MWL13-01	6010B	RES	Chromium	29.6	ug/L		29.6	J-	8L
DL-MWL13-01	6010B	RES	Copper	67.9	ug/L		67.9	J-	8L
DL-MWL13-01	6010B	RES	Iron	42600	ug/L		42600	J	8L,31
DL-MWL13-01	6010B	RES	Lead	44.5	ug/L		44.5	J	9,8L,31
DL-MWL13-01	6010B	RES	Magnesium	28500	ug/L		28500	J	8L,31
DL-MWL13-01	6010B	RES	Manganese	1360	ug/L		1360	J	8L,31
DL-MWL13-01	6010B	RES	Selenium	10.0	ug/L	U	10.0	UJ	9
DL-MWL13-01	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-MWL13-01	6010B	RES	Zinc	113	ug/L		113	J-	8L
DL-MWL13-01 DIS	6010B	RES	Calcium	93600	ug/L		93600	J	8,31
DL-MWL13-01 DIS	6010B	RES	Chromium	10.0	ug/L	U	10.0	UJ	8L
DL-MWL13-01 DIS	6010B	RES	Cobalt	50.0	ug/L	U	50.0	UJ	8L
DL-MWL13-01 DIS	6010B	RES	Iron	100	ug/L	U	100		31
DL-MWL13-01 DIS	6010B	RES	Lead	5.0	ug/L	U	5.0	UJ	9,8L,31
DL-MWL13-01 DIS	6010B	RES	Magnesium	11600	ug/L		11600	J	8L,31
DL-MWL13-01 DIS	6010B	RES	Manganese	39.3	ug/L		39.3	J	8L,31
DL-MWL13-01 DIS	6010B	RES	Selenium	6.7	ug/L	J	6.7	UJ	32,12,6,9
DL-MWL13-01 DIS	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SD08-0	8270C	RES	2,4-Dinitrophenol	4300	ug/Kg	U	4300	UJ	18
DL-SD08-0	8270C	RES	Benzaldehyde	1700	ug/Kg	U	1700	UJ	8L,10L
DL-SD08-0	8270C	RES	Benzo(k)fluoranthene	1700	ug/Kg	U	1700	UJ	8L
DL-SD08-0	8270C	RES	Hexachlorocyclopentadiene	1700	ug/Kg	U	1700	UJ	8L
DL-SW08-0	6010B	RES	Arsenic	3.4	ug/L	J	3.4	UJ	32,12,6
DL-SW08-0	6010B	RES	Calcium	53400	ug/L		53400	J	8,31
DL-SW08-0	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-SW08-0	6010B	RES	Chromium	1.2	ug/L	J	1.2	UJ	32,12,8L,6
DL-SW08-0	8260B	RES	Cyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-SW08-0	6010B	RES	Iron	213	ug/L		213	J	8L,31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SW08-0	8260B	RES	Isopropylbenzene	1.0	ug/L	U	1.0	UJ	10L
DL-SW08-0	6010B	RES	Magnesium	9160	ug/L		9160	J	8L,31
DL-SW08-0	6010B	RES	Manganese	28.0	ug/L		28.0	J	8L,31
DL-SW08-0	6010B	RES	Selenium	10.0	ug/L	U	10.0	UJ	9
DL-SW08-0	6010B	RES	Silver	10.0	ug/L	U	10.0	UJ	8L
DL-SW08-0	8260B	RES	Trichlorofluoromethane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-03	8260B	RES	Chloromethane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-03	8260B	RES	Cyclohexane	1.0	ug/L	U	1.0	UJ	23L
DL-TB-0303-03	8260B	RES	Isopropylbenzene	1.0	ug/L	U	1.0	UJ	10L
DL-TB-0303-03	8260B	RES	Trichlorofluoromethane	1.0	ug/L	U	1.0	UJ	23L

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
8	Matrix spike recovery outside control limits.
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
18	Initial calibration calibration coefficient exceeded control limits.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
31	Result qualified based on professional judgement.
32	Non-detect, concentration is same as method blank

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/12/2006

Preparation Batch : PB10787B **Preparation Type :** 3510C **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1848 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10787BS	AQ	2,4,6-Trichlorophenol	102		10.00	45.00	99.00	20.00
		2,4-Dichlorophenol	96		10.00	50.00	94.00	20.00
		2,4-Dinitrotoluene	118		10.00	57.00	103.00	20.00
		2,6-Dinitrotoluene	104		10.00	60.00	103.00	20.00
		2-Chloronaphthalene	104		10.00	56.00	103.00	20.00
		4,6-Dinitro-2-methylphenol	106		10.00	35.00	105.00	20.00
		4-Chlorophenyl-phenylether	108		10.00	45.00	105.00	20.00
		Acenaphthylene	102		10.00	60.00	98.00	20.00
		Benzaldehyde	26		10.00	70.00	130.00	20.00
		Benzo(a)anthracene	112		10.00	60.00	105.00	20.00
		Benzo(a)pyrene	114		10.00	58.00	102.00	20.00
		Benzo(k)fluoranthene	0		10.00	52.00	111.00	20.00
		bis(2-Chloroethyl)ether	96		10.00	47.00	94.00	20.00
		Caprolactam	14		10.00	70.00	130.00	20.00
		Chrysene	112		10.00	57.00	108.00	20.00
		Di-n-butylphthalate	110		10.00	58.00	103.00	20.00
		Fluorene	106		10.00	61.00	104.00	20.00
		N-Nitroso-di-n-propylamine	98		10.00	48.00	96.00	20.00
		Phenanthrene	114		10.00	60.00	110.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWK09-01	X1848-04
DL-MWL13-01	X1848-05

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/12/2006

Preparation Batch : PB10788B **Preparation Type :** 3510C **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1848 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
PB10788BS	SO	Benzaldehyde	15		10.00	20.00	150.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-SD08-0	X1848-01

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8081B **Analysis Method :** 8081B **Analysis Date :** 03/21/2006

Preparation Batch : PB10812 **Preparation Type :** 5030B **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1848 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
PB10812BS	AQ	Endrin	124		10.00	70.00	118.00	20.00
		Methoxychlor	128		10.00	70.00	126.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWK09-01	X1848-04
DL-MWL13-01	X1848-05

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 03/09/2006

Preparation Batch : VBI0309W2 **Preparation Type :** 5030B **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1848 **Lab ID:** CCGE

LCS Lab Sample ID	Matrix	Analyte Name	Reported Values		Project Limits (Percent)			
			Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
BSI0309W1	AQ	Chloroethane	167		10.00	71.00	150.00	20.00
		Isopropylbenzene	73		10.00	76.50	116.70	20.00
		Methyl Acetate	180		10.00	37.70	150.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-SW08-0	X1848-06
DL-TB-0303-03	X1848-09

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Method Blank Outlier Report

Lab Reporting Batch : X1848
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/10/2006
Preparation Type : 3010A
Preparation Date : 03/09/2006
Method Blank Lab Sample ID : PB10793BL
Preparation Batch : PB10793

Arsenic	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.630**	**10.000**	**ug/L**	**J**	

Arsenic	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.630**	**10.000**	**ug/L**	**J**	

Arsenic was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-01 DIS	X1848-14	1	6.6	J	ug/L
DL-MWH10-01 DIS	X1848-16	1	7.8	J	ug/L
DL-MWK09-01	X1848-04	1	7.6	J	ug/L
DL-MWL13-01	X1848-05	1	10.9		ug/L
DL-SW08-0	X1848-06	1	3.4	J	ug/L

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-2.200**	**5000.000**	**ug/L**	**J**	

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-2.200**	**5000.000**	**ug/L**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.590**	**10.000**	**ug/L**	**J**	

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.590**	**10.000**	**ug/L**	**J**	

Chromium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWE12-01 DIS	X1848-12	1	2.0	J	ug/L
DL-MWE12-01-D DIS	X1848-13	1	2.7	J	ug/L
DL-MWF03-01 DIS	X1848-15	1	1.9	J	ug/L
DL-MWH10-01 DIS	X1848-16	1	2.5	J	ug/L
DL-MWK09-01 DIS	X1848-10	1	2.9	J	ug/L
DL-SW08-0	X1848-06	1	1.2	J	ug/L

Method Blank Outlier Report

Lab Reporting Batch : X1848
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 03/10/2006
Preparation Type : 3010A
Preparation Date : 03/09/2006
Method Blank Lab Sample ID : PB10793BL
Preparation Batch : PB10793

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**5.280**	**10.000**	**ug/L**	**J**	

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**5.280**	**10.000**	**ug/L**	**J**	

Selenium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-01 DIS	X1848-14	1	7.6	J	ug/L
DL-MWK09-01	X1848-04DL	10	98.6	J	ug/L
DL-MWL13-01 DIS	X1848-11	1	6.7	J	ug/L

Method Blank Outlier Report

Lab Reporting Batch : X1848
Lab ID: CCGE
Analysis Method : 7470A
Analysis Date : 03/10/2006
Preparation Type : 7470A
Preparation Date : 03/09/2006
Method Blank Lab Sample ID : PB10797BL
Preparation Batch : PB10797

Mercury	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.060**	**0.200**	**ug/L**	**J**	

Mercury	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.060**	**0.200**	**ug/L**	**J**	

Mercury was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-01 DIS	X1848-14	1	0.0500	J	ug/L
DL-MWE12-01 DIS	X1848-12	1	0.0500	J	ug/L
DL-MWE12-01-D DIS	X1848-13	1	0.0700	J	ug/L
DL-MWF03-01 DIS	X1848-15	1	0.0500	J	ug/L
DL-MWH10-01 DIS	X1848-16	1	0.0700	J	ug/L

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 03/10/2006

Preparation Batch : PB10793 **Preparation Type :** 3010A **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1848 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-01 DISMS	X1848-17S	AQ	Barium	58.8		30.00	80.00	120.00	20.00
			Calcium	-954		30.00	80.00	120.00	20.00
			Chromium	73.2		30.00	80.00	120.00	20.00
			Cobalt	60.6		30.00	80.00	120.00	20.00
			Copper	62.0		30.00	80.00	120.00	20.00
			Iron	-131		30.00	80.00	120.00	20.00
			Magnesium	-71		30.00	80.00	120.00	20.00
			Manganese	54.6		30.00	80.00	120.00	20.00
			Silver	79.3		30.00	80.00	120.00	20.00
			Sodium	-574		30.00	80.00	120.00	20.00
			Zinc	15.7		30.00	80.00	120.00	20.00
DL-MWH10-01 DISMSD	X1848-18SD		Barium	59.1		30.00	80.00	120.00	20.00
			Calcium	-943		30.00	80.00	120.00	20.00
			Chromium	72.7		30.00	80.00	120.00	20.00
			Cobalt	59.9		30.00	80.00	120.00	20.00
			Copper	62.3		30.00	80.00	120.00	20.00
			Iron	-129		30.00	80.00	120.00	20.00
			Magnesium	-72.4		30.00	80.00	120.00	20.00
			Manganese	54.5		30.00	80.00	120.00	20.00
			Potassium	78.9		30.00	80.00	120.00	20.00
			Silver	79.6		30.00	80.00	120.00	20.00
			Sodium	-586		30.00	80.00	120.00	20.00
			Zinc	16.0		30.00	80.00	120.00	20.00
DL-SW08-0MS	X1848-07S		Calcium	223		30.00	80.00	120.00	20.00
			Cobalt	74.0		30.00	80.00	120.00	20.00
			Copper	78.0		30.00	80.00	120.00	20.00
			Lead	76.4		30.00	80.00	120.00	20.00
			Manganese	75.8		30.00	80.00	120.00	20.00
			Sodium	-104		30.00	80.00	120.00	20.00
			Zinc	49.3		30.00	80.00	120.00	20.00
DL-SW08-0MSD	X1848-08SD		Calcium	196		30.00	80.00	120.00	20.00
			Cobalt	71.8		30.00	80.00	120.00	20.00
			Copper	77.7		30.00	80.00	120.00	20.00
			Lead		20.7	30.00	80.00	120.00	20.00
			Manganese	75.4		30.00	80.00	120.00	20.00
			Selenium		21.7	30.00	80.00	120.00	20.00
			Sodium	-50.3		30.00	80.00	120.00	20.00
			Zinc	47.8		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-MWD06-01 DIS	X1848-14

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: ***Depew Landfill RI - NYSDEC Depew Landfill RI Project***

DL-MWE12-01 DIS	X1848-12
DL-MWE12-01-D DIS	X1848-13
DL-MWF03-01 DIS	X1848-15
DL-MWH10-01 DIS	X1848-16
DL-MWK09-01	X1848-04DL
DL-MWK09-01	X1848-04DL
DL-MWK09-01	X1848-04
DL-MWK09-01	X1848-04
DL-MWK09-01 DIS	X1848-10
DL-MWL13-01	X1848-05
DL-MWL13-01 DIS	X1848-11
DL-SW08-0	X1848-06

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 03/13/2006

Preparation Batch : PB10788B **Preparation Type :** 3510C **Preparation Date :** 03/09/2006

Lab Reporting Batch : X1848 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-SD08-0MS	X1848-02MS	SO	2,4-Dinitrophenol	11		10.00	26.00	131.00	20.00
			4,6-Dinitro-2-methylphenol	12		10.00	35.00	105.00	20.00
			Benzaldehyde	18		10.00	20.00	150.00	20.00
			Benzo(g,h,i)perylene	34		10.00	39.00	130.00	20.00
			Benzo(k)fluoranthene	-12		10.00	43.00	125.00	20.00
			Dibenz(a,h)anthracene	38		10.00	41.00	130.00	20.00
			Fluoranthene	32		10.00	55.00	105.00	20.00
			Hexachlorocyclopentadiene	6		10.00	20.00	107.00	20.00
			Indeno(1,2,3-cd)pyrene	14		10.00	42.00	124.00	20.00
DL-SD08-0MSD	X1848-03MSD		2,4-Dinitrophenol	12		10.00	26.00	131.00	20.00
			4,6-Dinitro-2-methylphenol	13		10.00	35.00	105.00	20.00
			Benzaldehyde	19		10.00	20.00	150.00	20.00
			Benzo(g,h,i)perylene	36		10.00	39.00	130.00	20.00
			Benzo(k)fluoranthene	-12		10.00	43.00	125.00	20.00
			Fluoranthene	44	32	10.00	55.00	105.00	20.00
			Hexachlorocyclopentadiene	7		10.00	20.00	107.00	20.00
			Indeno(1,2,3-cd)pyrene	15		10.00	42.00	124.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-SD08-0	X1848-01

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1848	03/06/2006 10:05

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-SD08-0	SO	X1848-01	03/03/2006 08:58	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	1

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X1848
Date Completed: May 19, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X1848	03/06/2006 10:05

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-SD08-0	SO	X1848-01	03/03/2006 08:58	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
SO	8260B	Volatile Organic Compounds by GC/MS	1

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SD08-0	8260B	RES	Acetone	64	ug/Kg	JB	130	UJ	32,12,6
DL-SD08-0	8260B	RES	Methylene Chloride	10	ug/Kg	JB	26	UJ	32,12,6

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
12	Result is below project reporting limit, but above MDL.
32	Non-detect, concentration is same as method blank

Surrogate Recovery Outlier Report

Lab Report Batch: X1848 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
DL-MWK09-01	X1848-04	8081B	1	AQ	Decachlorobiphenyl	63	70.0	130.0	10.0	All Target
		8270C			2-Fluorophenol	18	45.0	135.0	10.0	Acid
					Phenol-d5	16	60.0	120.0	10.0	Acid
					2-Fluorobiphenyl	55	60.0	120.0	10.0	Base/Neutral
					Nitrobenzene-d5	57	60.0	120.0	10.0	Base/Neutral
DL-MWL13-01	X1848-05	8270C	1	AQ	2-Fluorophenol	17	45.0	135.0	10.0	Acid
					Phenol-d5	11	60.0	120.0	10.0	Acid
					2-Fluorobiphenyl	55	60.0	120.0	10.0	Base/Neutral
					Nitrobenzene-d5	57	60.0	120.0	10.0	Base/Neutral
					Terphenyl-d14	53	60.0	120.0	10.0	Base/Neutral
DL-SW08-0	X1848-06	8260B	1	AQ	4-Bromofluorobenzene	119	86.0	115.0	10.0	All Target
DL-TB-0303-03	X1848-09	8260B	1	AQ	4-Bromofluorobenzene	120	86.0	115.0	10.0	All Target

Table 4: Field Duplicate Summary Report

Lab SDG: X1848 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-MWE12-01 DIS	DL-MWE12-01-D DIS	6010B
DL-MWE12-01 DIS	DL-MWE12-01-D DIS	7470A

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
AQ	Barium	DL-MWE12-01 DIS	RES	72.5	J	DL-MWE12-01-D DIS	RES	82.5	J	12.9	40	ug/L	Good	None
AQ	Cadmium		RES	0.47	J		RES	0.77	J	48.4	40	ug/L	Poor	J
AQ	Calcium		RES	135000			RES	151000		11.2	40	ug/L	Good	None
AQ	Chromium		RES	2.0	J		RES	2.7	J	29.8	40	ug/L	Good	None
AQ	Cobalt		RES	4.5	J		RES	5.1	J	12.5	40	ug/L	Good	None
AQ	Copper		RES	5.3	J		RES	4.8	J	9.90	40	ug/L	Good	None
AQ	Lead		RES	6.5			RES	5.8		11.4	40	ug/L	Good	None
AQ	Magnesium		RES	17800			RES	19700		10.1	40	ug/L	Good	None
AQ	Manganese		RES	1770			RES	2120		18.0	40	ug/L	Good	None
AQ	Nickel		RES	9.4	J		RES	12.8	J	30.6	40	ug/L	Good	None
AQ	Potassium		RES	16300			RES	18600		13.2	40	ug/L	Good	None
AQ	Sodium		RES	355000			RES	403000		12.7	40	ug/L	Good	None
AQ	Zinc		RES	43.1			RES	44.4		2.97	40	ug/L	Good	None

Method: 7470A

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual

Table 4: Field Duplicate Summary Report

Method: **7470A**

		Field Sample				Field Sample Duplicate*								
Matrix	**Analyte**	**Sample ID**	**Type**	**Result**	**(Q)**	**Field Dup ID**	**Type**	**Result**	**(Q)**	**%RPD -**	**Limits**	**Units**	**Rating**	**Qual**
AQ	Mercury	DL-MWE12-01 DIS	RES	0.0500	J	DL-MWE12-01-D DIS	RES	0.0700	J	33.3	40	ug/L	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

QC Outlier Report: Trip Blank

Lab Reporting Batch : X1848
Lab ID: CCGE
Method/Preparation Batch : VBI0309W2 / 8260B
Analysis Date : 03/09/2006
Client Sample ID : DL-TB-0303-03
Preparation Date : 03/09/2006
Lab Sample ID : X1848-09
Preparation Type : 5030B

Analysis Method : 8260B

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	**0.48**	**1.0**	**ug/L**	**J**	**Common Contaminant**

Methylene Chloride contamination found in the trip blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X1848
Lab ID: CCGE
Analysis Method : 8260B
Analysis Date : 03/08/2006
Preparation Type : 5030B
Preparation Date : 03/08/2006
Method Blank Lab Sample ID : VBK0308S2
Preparation Batch : VBK0308S2

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**8.8**	**25**	**ug/Kg**	**J**	**Common Contaminant**

Acetone was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SD08-0	X1848-01	1	64	JB	ug/Kg

Methylene Chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.2**	**5.0**	**ug/Kg**	**J**	**Common Contaminant**

Methylene Chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-SD08-0	X1848-01	1	10	JB	ug/Kg

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X3035
Date Completed: 6/27/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected. Trip Blank included.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Elevated RLs for ketones
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	Yes – Sample DL-MWH10-02 analyzed at dilution based on chlorobenzene concentration.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X3035
Date Completed: 6/27/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	No
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	No
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	Yes – Surrogates within QAPP/ADR limits. 1,2-dichloroethane-d4 recovery above lab limit at 120% for VBLK01. No data qualified.
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	Yes – Surrogates within QAPP/ADR limits 1,2-Dichloroethane-d4 recovery above lab limit pf 119% for samples DL-MWH10-02, DL-MWH10-02DL, DL-MWH10-02MS, DL-MWH10-02MSD, DL-MWK-09-2 and DL-MWK-09-02RE. No data qualified.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No – See MS/MSD Outlier Report. Lab applied limits different from QAPP/ADR. Data qualified based on ADR limits. Isopropylbenzene results qualified "J+".
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No – See LCS Outlier Report. Lab applied limits different from QAPP/ADR. Data qualified based on ADR limits. Dichlorodilfluoromethane results qualified "UJ".
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	Yes – Sample DL-MWH10-02 analyzed at dilution based on chlorobenzene concentration.
Do field duplicate results show good precision for all compounds except TICs?	Yes – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X3035
Date Completed: 6/27/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	Yes .
GC/MS	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No – Dichlorodifluoromethane %D>25% for trip blank and samples DL-MWE12-01, DL-MWE12-02D, DL-MWF03-02, DL-MWD06-02 and DL-MWK09-02RE.
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.

Summary of Potential Impacts on Data Usability
Major Concerns
None
Minor Concerns
Dichlorodilfluoromethane results qualified “UJ” based on CCV/LCS.

Key:

ADR = Automated Data Review
AP = Acid Phenol
BN = Base Neutral
CCV = Continuing calibration verification
COC = Chain-of-custody
CVAA = Cold Vapor Automatic Absorption
GC = Gas Chromatography
GC/MS = Gas Chromatography/Mass Spectrometry
ICP = Inductively Coupled Plasma Argon Spectrometry
ICS = Interference check standard
ICV = Initial calibration verification
NA = Not Applicable
LCS = Laboratory Control Sample
MS/MSD = Matrix Spike/Matrix Spike Duplicate
QAPP = Quality Assurance Project Plan
QC = Quality Control
SD = Serial Dilution
SVOCs = Semivolatile Organic Compounds

TIC = Tentatively Identified Compound
VOCs = Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3035
Date Completed: June 27, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X3035	06/01/2006 10:20

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-MWD06-02	AQ	X3035-09	05/31/2006 13:45	
DL-MWE12-02	AQ	X3035-06	05/31/2006 13:05	
DL-MWE12-02D	AQ	X3035-07	05/31/2006 13:06	FD
DL-MWF03-02	AQ	X3035-08	05/31/2006 13:31	
DL-MWH10-02	AQ	X3035-01	05/31/2006 14:54	
DL-MWH10-02MS	AQ	X3035-02MS	05/31/2006 14:54	MS
DL-MWH10-02MSD	AQ	X3035-03MSD	05/31/2006 14:54	MSD
DL-MWK09-02	AQ	X3035-05	05/31/2006 14:33	
DL-MWL13-02	AQ	X3035-04	05/31/2006 14:09	
DL-TB-053106	AQ	X3035-10	05/31/2006 17:20	TB

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	8260B	Volatile Organic Compounds by GC/MS	8

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-02	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	10L,23L
DL-MWE12-02	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	10L,23L
DL-MWE12-02D	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	10L,23L
DL-MWF03-02	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	10L,23L
DL-MWH10-02	8260B	DL	Chlorobenzene	44	ug/L	D	44		
DL-MWH10-02	8260B	RES	Isopropylbenzene	3.5	ug/L		3.5	J+	8H,10H
DL-TB-053106	8260B	RES	Dichlorodifluoromethane	1.0	ug/L	U	1.0	UJ	10L,23L

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3035
Date Completed: June 27, 2006	Data Validation Chemist: BKrajewski

8H	Matrix spike recovery outside control limits. Result has a high bias.
10H	LCS recovery outside control limits. Result has a high bias.
10L	LCS recovery outside control limits. Result has a low bias.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 06/02/2006

Preparation Batch : VBF0602W2 **Preparation Type :** 5030B **Preparation Date :** 06/02/2006

Lab Reporting Batch : X3035 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
BSF0602W2	AQ	Isopropylbenzene	120		10.00	76.50	116.70	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWH10-02	X3035-01
DL-MWH10-02	X3035-01
DL-MWK09-02	X3035-05
DL-MWL13-02	X3035-04

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 06/04/2006

Preparation Batch : VBF0604W2 **Preparation Type :** 5030B **Preparation Date :** 06/04/2006

Lab Reporting Batch : X3035 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSF0604W1	AQ	Dichlorodifluoromethane	73		10.00	74.50	136.60	20.00
BSF0604W2		1,1,2-Trichloroethane	80		10.00	83.00	130.00	20.00
		1,2-Dichloropropane	80		10.00	81.00	123.00	20.00
		Bromomethane	73		10.00	75.00	173.00	20.00
		Chloroethane	67		10.00	71.00	150.00	20.00
		Chloromethane	73		10.00	74.00	146.00	20.00
		Dichlorodifluoromethane	66		10.00	74.50	136.60	20.00
		Vinyl chloride	73		10.00	76.00	136.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWH10-02	X3035-01DL
DL-MWH10-02	X3035-01DL

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 06/05/2006

Preparation Batch : VBF0605W2 **Preparation Type :** 5030B **Preparation Date :** 06/05/2006

Lab Reporting Batch : X3035 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
BSF0605W1	AQ	Dichlorodifluoromethane	73		10.00	74.50	136.60	20.00
		Isopropylbenzene	120		10.00	76.50	116.70	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWD06-02	X3035-09
DL-MWE12-02	X3035-06
DL-MWE12-02D	X3035-07
DL-MWF03-02	X3035-08
DL-MWK09-02	X3035-05RE
DL-TB-053106	X3035-10

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8260B **Analysis Method :** 8260B **Analysis Date :** 06/03/2006

Preparation Batch : VBF0602W2 **Preparation Type :** 5030B **Preparation Date :** 06/03/2006

Lab Reporting Batch : X3035 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-02MSD	X3035-03MSD	AQ	1,1,2,2-Tetrachloroethane	113		10.00	52.00	111.00	20.00
			Chlorobenzene		25	10.00	79.00	121.00	20.00
			Isopropylbenzene	117		10.00	76.50	116.70	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-MWH10-02	X3035-01
DL-MWH10-02	X3035-01

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: **#Error**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-MWE12-02	DL-MWE12-02D	8260B

Method:

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual

*Field Duplicate Results with one or both results ND are not included in this report

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X3078
Date Completed: 7/6/2006	Data Validation Chemist: B. Krajewski

The samples and analytical methods included in this sample delivery group (SDG) are documented in Attachment 1 Table 1 Sample Summary and Table 2 Tests and Number of Samples. The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Guidance for the Development of Data Usability Summary Reports (DUSRs), June 1999. The data were processed using Automated Data Review (ADR) electronic data deliverables (EDDs) for sample results and laboratory quality control (QC) samples. ADR software is programmed to verify the completeness and compliance of electronic data and automatically assign data qualifiers. Data for instrument QC files including calibration and tuning were not reviewed with ADR and data qualifiers were added manually. Data qualifiers generated during the review process are summarized in Attachment 1 Table 3 Summary of Data Validation Qualifiers. A detailed listing of the qualified data is provided in Attachment 2 Sample Qualification Report. All data qualification was reviewed and approved by the qualified Data Validation Chemist listed in the heading of this DUSR.

Specific criteria for reporting and QC limits were obtained from the ADR library developed for the project and documented in the project Quality Assurance Project Plan (QAPP). Compliance with the project QC criteria is documented on ADR outlier reports provided in Attachment 2. The checklist and tables summarize the data review process and any items not reviewed by ADR. Any major or minor concerns affected data usability also are summarized listed below. The representativeness and comparability of the data are evaluated to determine how data usability may be impacted.

Completeness Review - General Sample and Batch Information - See Attachment 1	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes – Lab did not distinguish filtered and unfiltered metals samples.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? *Field Duplicate - 1/20 samples.* *Trip Blank - Every cooler with VOCs waters only.* *Equipment Blank - 1/ set of samples per day*.	Yes – Field duplicate collected. Trip Blank reported with VOA samples in SDG X3035.
Laboratory QC frequency correct? *Method blank and LCS with each batch and one set of MS/MSD per 20 samples?*	Yes
All forms and raw data complete?	Yes
Case narrative present and complete?	Yes
Target analyte list and reporting limits match QAPP?	No – Metals RLs elevated
Were any samples re-analyzed or diluted? For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.	No

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X3078
Date Completed: 7/6/2006	Data Validation Chemist: B. Krajewski

Compliance Review - ADR with Approval by Data Validation Chemist - See Attachment 2	
Description	**Notes and Qualifiers**
Any holding time violations?	No
Any compounds present in method, trip and field blanks?	Yes – See Method Blank Outlier Report
Were any analytes flagged for blank contamination? *For samples, if results are <5 times the blank or <10 times blank for common laboratory contaminants then "U" flag data. Qualification also applies to TICs reported with GC/MS.*	Yes – See Method Blank Outlier Report
Surrogate for method blanks and LCS within limits? *Organic Methods Only*	No – 2-Fluorophenol and phenol-d5 recoveries below QAPP limits.
Surrogate for samples and MS/MSD within limits? *Organic Methods Only*. Were appropriate samples re-analyzed? *All samples should be re-analyzed for VOCs. Samples should re-analyzed if more than one BN or more than AP for SVOCs is out. Matrix effects should be established for all other methods. Only samples exceeding these criteria are listed on the Surrogate Outlier Report.*	No - See Surrogate Outlier Report 2-Fluorphenol and phenol-d5 recoveries below QC limits for DL-MWE12-02, DL-MWE1202/D, DL-MWF03-02 and DL-MWK09-02. No corrective action taken because recoveries within lab limits. Results qualified "UJ". PCBs not qualified based on DCBP recoveries. TCMX recoveries within QC limits.
MS/MSD within QC criteria? *If out and LCS is compliant, then J flag positive data in original sample due to matrix.* *If metal recoveries were ≤30%, then "R" flag associated non-detect values.*	No – See MS/MSD Outlier Report. 4x spike rule applied to AL, Ca, Fe, Mg, Mn, and Na
LCS within QC criteria? *If out, and the recovery high with no positive values, then no data qualification is required. Positive results are "J" flagged and non-detects are "J" flagged if low. Reject data with recovery <10%.*	No – See LCS Outlier Report.
Were any samples re-analyzed or diluted? *For any sample re-analysis and dilutions ensure that only one result per sample and analyte is flagged as reportable.*	No
Do field duplicate results show good precision for all compounds except TICs?	No – See Attachment 1 Table 4 Field Duplicate Results

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X3078
Date Completed: 7/6/2006	Data Validation Chemist: B. Krajewski

Compliance Review by Data Validation Chemist		
Method	**Description**	**Notes and Qualifiers**
GC/MS	Do internal standards areas and retention time meet criteria? *Samples should be re-analyzed to establish matrix effects or chromatograms documenting matrix effects provided.*	Yes .
GC/MS	Does initial calibration meet criteria for all positive target compounds?	No – Benzaldehyde 0.966 correlation coefficient
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	Does continuing calibration meet criteria for all positive target compounds?	No - Caprolactam , 2-methylnaphthalene, indeno(1,2,3-cd)pyrene, benzo(b)fluoroanthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, benzoic acid, 4-nitrophenol >25%D or >30%D for linear regression
	Is the minimum response factor must be met for all compounds?	Yes
GC/MS	For TICs are there any system related compounds that should not be reported?	TICs not reviewed.
ICP/ CVAA	ICS recoveries within 80-120%?	Yes
ICP/ CVAA	ICV recoveries within 90-110%?	Yes CRI recovery low for K at 59.5% and high for Fe at 131%. No data qualified.
ICP/ CVAA	CCV recoveries within 90-110% or 80-120% for mercury?	Yes
ICP/ CVAA	Serial dilution recoveries within 90-110% for concentrations greater than 50 times reporting limit?	No – Total Metal Ca, Fe, Mg, K, and Na results qualified “J’. Dissolved metals Ba, Cr, K, and Na results qualified “J”.
GC	Does initial calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Does continuing calibration meet criteria for all positive target compounds?	Yes
	Is the minimum response factor must be met for all compounds?	Yes
GC	Did the retention time window summary form (if present) indicate any non-compliance?	No
GC	Were all positive target compounds confirmed on a second column?	Yes
Wet	Did raw data provided for wet chemistry analyses indicate any non-compliance?	Yes – MS/MD result page incorrectly double adjusts for dry weight – percent recovery and RPD value not affected. Samples analyzed in duplicate; quadruplicate required by Lloyd Kahn not analyzed. No data qualified.

Data Usability Summary Report	Project: Depew Landfill
Laboratory: Chemtech	LAB SDG ID: X3078
Date Completed: 7/6/2006	Data Validation Chemist: B. Krajewski

Summary of Potential Impacts on Data Usability
Major Concerns
None
Minor Concerns
Aroclor 1260 result for sample DL-MWF03-02 qualified “J” based on %D between results on both columns >40%.

Key:

ADR	=	Automated Data Review
AP	=	Acid Phenol
BN	=	Base Neutral
CCV	=	Continuing calibration verification
COC	=	Chain-of-custody
CVAA	=	Cold Vapor Automatic Absorption
GC	=	Gas Chromatography
GC/MS	=	Gas Chromatography/Mass Spectrometry
ICP	=	Inductively Coupled Plasma Argon Spectrometry
ICS	=	Interference check standard
ICV	=	Initial calibration verification
NA	=	Not Applicable
LCS	=	Laboratory Control Sample
MS/MSD	=	Matrix Spike/Matrix Spike Duplicate
QAPP	=	Quality Assurance Project Plan
QC	=	Quality Control
SD	=	Serial Dilution
SVOCs	=	Semivolatile Organic Compounds
TIC	=	Tentatively Identified Compound
VOCs	=	Volatile Organic Compounds

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: July 06, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X3078	06/02/2006 10:30

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-MWD06-02	AQ	X3078-07	06/01/2006 12:06	
DL-MWE12-02	AQ	X3078-01	06/01/2006 10:00	
DL-MWE12-02D	AQ	X3078-02	06/01/2006 10:10	FD
DL-MWF03-02	AQ	X3078-08	06/01/2006 12:10	
DL-MWH10-02	AQ	X3078-09	06/01/2006 16:50	
DL-MWH10-02DUP	AQ	X3078-09D	06/01/2006 16:50	DUP
DL-MWH10-02MS	AQ	X3078-10S	06/01/2006 16:50	MS
DL-MWH10-02MSD	AQ	X3078-11SD	06/01/2006 16:50	MSD
DL-MWK09-02	AQ	X3078-05	06/01/2006 08:45	
DL-MWL13-02	AQ	X3078-04	06/01/2006 08:40	
DL-SD09-0	SO	X3078-14	06/01/2006 13:14	
DL-SD10-0	SO	X3078-15	06/01/2006 13:22	
DL-SW09-0	AQ	X3078-12	06/01/2006 13:13	
DL-SW10-0	AQ	X3078-13	06/01/2006 13:21	

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	9
AQ	7470A	Mercury in Liquid Waste by Manual Cold Vapor Technique	9
SO	6010B	Metals by Inductively Coupled Plasma-Atomic Emission	2
SO	7471A	Mercury in Solid or Semi-solid Waste by Manual Cold Vapor Technique	2

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-02	6010B	RES/DIS	Aluminum	20.5	ug/L	J	20.5	UJ	32,12,6
DL-MWD06-02	6010B	RES/TOT	Antimony	60.0	ug/L	U	60.0	UJ	8L
DL-MWD06-02	6010B	RES/TOT	Barium	224	ug/L		224	J	8
DL-MWD06-02	6010B	RES/TOT	Beryllium	0.450	ug/L	J	0.450	UJ	32,12,6

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: July 06, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-02	6010B	RES/DIS	Beryllium	0.260	ug/L	J	0.260	UJ	32,12,6
DL-MWD06-02	6010B	RES/DIS	Cadmium	0.670	ug/L	J	0.670	UJ	32,12,6
DL-MWD06-02	6010B	RES/TOT	Cadmium	0.900	ug/L	J	0.900	UJ	32,12,6
DL-MWD06-02	6010B	RES/TOT	Calcium	117000	ug/L		117000	J	31
DL-MWD06-02	6010B	RES/DIS	Cobalt	1.570	ug/L	J	1.570	UJ	32,12,6
DL-MWD06-02	6010B	RES/TOT	Iron	23800	ug/L		23800	J	31
DL-MWD06-02	6010B	RES/TOT	Lead	102	ug/L		102	J-	8L
DL-MWD06-02	6010B	RES/TOT	Magnesium	23800	ug/L		23800	J	31
DL-MWD06-02	6010B	RES/DIS	Potassium	15900	ug/L		15900	J	31
DL-MWD06-02	6010B	RES/TOT	Potassium	14000	ug/L		14000	J	31
DL-MWD06-02	6010B	RES/DIS	Sodium	70800	ug/L		70800	J	31
DL-MWD06-02	6010B	RES/TOT	Sodium	60400	ug/L		60400	J	31
DL-MWD06-02	6010B	RES/DIS	Vanadium	0.830	ug/L	J	0.830	UJ	32,12,6
DL-MWE12-02	6010B	RES/DIS	Aluminum	25.4	ug/L	J	25.4	UJ	32,12,6,16
DL-MWE12-02	6010B	RES/TOT	Antimony	8.360	ug/L	J	8.360	UJ	32,12,8L,6,16
DL-MWE12-02	6010B	RES/DIS	Antimony	5.380	ug/L	J	5.380	UJ	32,12,6,16
DL-MWE12-02	6010B	RES/TOT	Barium	838	ug/L		838	J	16,8
DL-MWE12-02	6010B	RES/DIS	Beryllium	0.310	ug/L	J	0.310	UJ	32,12,6
DL-MWE12-02	6010B	RES/DIS	Cadmium	3.160	ug/L	J	3.160	UJ	32,12,6
DL-MWE12-02	6010B	RES/TOT	Calcium	212000	ug/L		212000	J	31
DL-MWE12-02	6010B	RES/TOT	Iron	49100	ug/L		49100	J	16,31
DL-MWE12-02	6010B	RES/TOT	Lead	4270	ug/L		4270	J-	8L,16
DL-MWE12-02	6010B	RES/TOT	Magnesium	38200	ug/L		38200	J	16,31
DL-MWE12-02	6010B	RES/TOT	Nickel	190	ug/L		190	J-	8L,16
DL-MWE12-02	6010B	RES/DIS	Potassium	22000	ug/L		22000	J	31
DL-MWE12-02	6010B	RES/TOT	Potassium	23200	ug/L		23200	J	31
DL-MWE12-02	6010B	RES/DIS	Sodium	609000	ug/L		609000	J	31
DL-MWE12-02	6010B	RES/TOT	Sodium	503000	ug/L		503000	J	31
DL-MWE12-02	6010B	RES/DIS	Vanadium	2.060	ug/L	J	2.060	UJ	32,12,6

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: July 06, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWE12-02D	6010B	RES/DIS	Aluminum	11.8	ug/L	J	11.8	UJ	32,12,6
DL-MWE12-02D	6010B	RES/TOT	Antimony	60.0	ug/L	U	60.0	UJ	8L,16
DL-MWE12-02D	6010B	RES/TOT	Barium	752	ug/L		752	J	8
DL-MWE12-02D	6010B	RES/DIS	Beryllium	0.310	ug/L	J	0.310	UJ	32,12,6
DL-MWE12-02D	6010B	RES/DIS	Cadmium	2.770	ug/L	J	2.770	UJ	32,12,6
DL-MWE12-02D	6010B	RES/TOT	Calcium	187000	ug/L		187000	J	31
DL-MWE12-02D	6010B	RES/TOT	Iron	41700	ug/L		41700	J	31
DL-MWE12-02D	6010B	RES/TOT	Lead	3260	ug/L		3260	J-	8L
DL-MWE12-02D	6010B	RES/TOT	Magnesium	33000	ug/L		33000	J	31
DL-MWE12-02D	6010B	RES/TOT	Nickel	168	ug/L		168	J-	8L
DL-MWE12-02D	6010B	RES/DIS	Potassium	20900	ug/L		20900	J	31
DL-MWE12-02D	6010B	RES/TOT	Potassium	20400	ug/L		20400	J	31
DL-MWE12-02D	6010B	RES/DIS	Sodium	576000	ug/L		576000	J	31
DL-MWE12-02D	6010B	RES/TOT	Sodium	458000	ug/L		458000	J	31
DL-MWE12-02D	6010B	RES/DIS	Vanadium	2.280	ug/L	J	2.280	UJ	32,12,6
DL-MWF03-02	6010B	RES/DIS	Aluminum	11.8	ug/L	J	11.8	UJ	32,12,6
DL-MWF03-02	6010B	RES/TOT	Antimony	6.690	ug/L	J	6.690	UJ	32,12,8L,6
DL-MWF03-02	6010B	RES/TOT	Barium	255	ug/L		255	J	8
DL-MWF03-02	6010B	RES/DIS	Beryllium	0.270	ug/L	J	0.270	UJ	32,12,6
DL-MWF03-02	6010B	RES/TOT	Beryllium	0.880	ug/L	J	0.880	UJ	32,12,6
DL-MWF03-02	6010B	RES/DIS	Cadmium	0.750	ug/L	J	0.750	UJ	32,12,6
DL-MWF03-02	6010B	RES/TOT	Cadmium	1.230	ug/L	J	1.230	UJ	32,12,6
DL-MWF03-02	6010B	RES/TOT	Calcium	131000	ug/L		131000	J	31
DL-MWF03-02	6010B	RES/DIS	Chromium	23.2	ug/L		23.2	J	31
DL-MWF03-02	6010B	RES/DIS	Cobalt	1.320	ug/L	J	1.320	UJ	32,12,6
DL-MWF03-02	6010B	RES/TOT	Iron	29500	ug/L		29500	J	31
DL-MWF03-02	6010B	RES/TOT	Lead	111	ug/L		111	J-	8L
DL-MWF03-02	6010B	RES/TOT	Magnesium	26500	ug/L		26500	J	31
DL-MWF03-02	6010B	RES/TOT	Potassium	13600	ug/L		13600	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: July 06, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWF03-02	6010B	RES/DIS	Potassium	17000	ug/L		17000	J	31
DL-MWF03-02	6010B	RES/DIS	Sodium	92300	ug/L		92300	J	31
DL-MWF03-02	6010B	RES/TOT	Sodium	68300	ug/L		68300	J	31
DL-MWF03-02	6010B	RES/DIS	Vanadium	1.760	ug/L	J	1.760	UJ	32,12,6
DL-MWH10-02	6010B	RES/DIS	Aluminum	19.1	ug/L	J	19.1	UJ	32,12,6
DL-MWH10-02	6010B	RES/TOT	Barium	370	ug/L		370	J	8
DL-MWH10-02	6010B	RES/DIS	Beryllium	0.310	ug/L	J	0.310	UJ	32,12,6
DL-MWH10-02	6010B	RES/TOT	Beryllium	0.880	ug/L	J	0.880	UJ	32,12,6
DL-MWH10-02	6010B	RES/DIS	Cadmium	0.850	ug/L	J	0.850	UJ	32,12,6
DL-MWH10-02	6010B	RES/TOT	Cadmium	1.110	ug/L	J	1.110	UJ	32,12,6
DL-MWH10-02	6010B	RES/TOT	Calcium	320000	ug/L		320000	J	31
DL-MWH10-02	6010B	RES/DIS	Chromium	25.7	ug/L		25.7	J	31
DL-MWH10-02	6010B	RES/TOT	Iron	57000	ug/L		57000	J	31
DL-MWH10-02	6010B	RES/TOT	Lead	57.6	ug/L		57.6	J-	8L
DL-MWH10-02	6010B	RES/TOT	Magnesium	97100	ug/L		97100	J	31
DL-MWH10-02	6010B	RES/TOT	Nickel	50.0	ug/L		50.0	J-	8L
DL-MWH10-02	6010B	RES/TOT	Potassium	36500	ug/L		36500	J	31
DL-MWH10-02	6010B	RES/DIS	Potassium	34800	ug/L		34800	J	31
DL-MWH10-02	6010B	RES/DIS	Sodium	163000	ug/L		163000	J	31
DL-MWH10-02	6010B	RES/TOT	Sodium	152000	ug/L		152000	J	31
DL-MWH10-02	6010B	RES/DIS	Vanadium	1.880	ug/L	J	1.880	UJ	32,12,6
DL-MWK09-02	6010B	RES/DIS	Aluminum	19.7	ug/L	J	19.7	UJ	32,12,6
DL-MWK09-02	6010B	RES/DIS	Barium	430	ug/L		430	J	8,31
DL-MWK09-02	6010B	RES/TOT	Beryllium	1.010	ug/L	J	1.010	UJ	32,12,6
DL-MWK09-02	6010B	RES/DIS	Beryllium	0.260	ug/L	J	0.260	UJ	32,12,6
DL-MWK09-02	6010B	RES/TOT	Cadmium	1.440	ug/L	J	1.440	UJ	32,12,6
DL-MWK09-02	6010B	RES/DIS	Cadmium	0.750	ug/L	J	0.750	UJ	32,12,6
DL-MWK09-02	6010B	RES/TOT	Calcium	109000	ug/L		109000	J	31
DL-MWK09-02	6010B	RES/DIS	Cobalt	0.970	ug/L	J	0.970	UJ	32,12,6

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: July 06, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWK09-02	6010B	RES/TOT	Iron	17600	ug/L		17600	J	31
DL-MWK09-02	6010B	RES/TOT	Lead	14.6	ug/L		14.6	J-	8L
DL-MWK09-02	6010B	RES/TOT	Magnesium	21800	ug/L		21800	J	31
DL-MWK09-02	6010B	RES/TOT	Nickel	42.2	ug/L		42.2	J-	8L
DL-MWK09-02	6010B	RES/DIS	Potassium	22000	ug/L		22000	J	31
DL-MWK09-02	6010B	RES/TOT	Sodium	12300	ug/L		12300	J	31
DL-MWK09-02	6010B	RES/DIS	Sodium	133000	ug/L		133000	J	31
DL-MWL13-02	6010B	RES/TOT	Antimony	60.0	ug/L	U	60.0	UJ	8L
DL-MWL13-02	6010B	RES/TOT	Barium	374	ug/L		374	J	8
DL-MWL13-02	6010B	RES/DIS	Beryllium	0.260	ug/L	J	0.260	UJ	32,12,6
DL-MWL13-02	6010B	RES/TOT	Beryllium	0.310	ug/L	J	0.310	UJ	32,12,6
DL-MWL13-02	6010B	RES/TOT	Cadmium	0.740	ug/L	J	0.740	UJ	32,12,6
DL-MWL13-02	6010B	RES/DIS	Cadmium	0.880	ug/L	J	0.880	UJ	32,12,6
DL-MWL13-02	6010B	RES/TOT	Calcium	163000	ug/L		163000	J	31
DL-MWL13-02	6010B	RES/DIS	Chromium	2.620	ug/L	J	2.620	UJ	32,12,6,31
DL-MWL13-02	6010B	RES/TOT	Chromium	3.300	ug/L	J	3.300	UJ	32,12,6
DL-MWL13-02	6010B	RES/TOT	Cobalt	1.360	ug/L	J	1.360	UJ	32,12,8L,6
DL-MWL13-02	6010B	RES/DIS	Cobalt	0.630	ug/L	J	0.630	UJ	32,12,6
DL-MWL13-02	6010B	RES/TOT	Iron	7380	ug/L		7380	J	31
DL-MWL13-02	6010B	RES/TOT	Magnesium	49900	ug/L		49900	J	31
DL-MWL13-02	6010B	RES/TOT	Potassium	16400	ug/L		16400	J	31
DL-MWL13-02	6010B	RES/DIS	Sodium	14400	ug/L		14400	J	31
DL-MWL13-02	6010B	RES/TOT	Sodium	99400	ug/L		99400	J	31
DL-MWL13-02	6010B	RES/TOT	Vanadium	3.230	ug/L	J	3.230	UJ	32,12,6
DL-MWL13-02	6010B	RES/DIS	Vanadium	1.600	ug/L	J	1.600	UJ	32,12,6
DL-SW09-0	6010B	RES/TOT	Antimony	60.0	ug/L	U	60.0	UJ	8L
DL-SW09-0	6010B	RES/TOT	Beryllium	0.380	ug/L	J	0.380	UJ	32,12,6
DL-SW09-0	6010B	RES/TOT	Cadmium	1.160	ug/L	J	1.160	UJ	32,12,6
DL-SW09-0	6010B	RES/TOT	Calcium	64400	ug/L		64400	J	31

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: July 06, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-SW09-0	6010B	RES/TOT	Iron	1050	ug/L		1050	J	31
DL-SW09-0	6010B	RES/TOT	Lead	22.0	ug/L		22.0	J-	8L
DL-SW09-0	6010B	RES/TOT	Magnesium	11100	ug/L		11100	J	31
DL-SW09-0	6010B	RES/TOT	Potassium	42400	ug/L		42400	J	31
DL-SW09-0	6010B	RES/TOT	Sodium	86900	ug/L		86900	J	31
DL-SW09-0	6010B	RES/TOT	Vanadium	6.350	ug/L	J	6.350	UJ	32,12,6
DL-SW10-0	6010B	RES/TOT	Antimony	12.3	ug/L	J	12.3	UJ	32,12,8L,6
DL-SW10-0	6010B	RES/TOT	Beryllium	0.380	ug/L	J	0.380	UJ	32,12,6
DL-SW10-0	6010B	RES/TOT	Cadmium	0.980	ug/L	J	0.980	UJ	32,12,6
DL-SW10-0	6010B	RES/TOT	Calcium	33300	ug/L		33300	J	31
DL-SW10-0	6010B	RES/TOT	Cobalt	1.890	ug/L	J	1.890	UJ	32,12,8L,6
DL-SW10-0	6010B	RES/TOT	Iron	4060	ug/L		4060	J	31
DL-SW10-0	6010B	RES/TOT	Lead	7.360	ug/L		7.360	J-	8L
DL-SW10-0	6010B	RES/TOT	Potassium	7140	ug/L		7140	J	31
DL-SW10-0	6010B	RES/TOT	Vanadium	4.200	ug/L	J	4.200	UJ	32,12,6

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
6	Method blank contamination impacted positive result.
8	Matrix spike recovery outside control limits.
8L	Matrix spike recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
16	Field duplicate RPD exceeded control limits.
31	Result qualified based on professional judgement.
32	Non-detect, concentration is same as method blank

Method Blank Outlier Report

Lab Reporting Batch : X3078
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 06/08/2006
Preparation Type : 3010A
Preparation Date : 06/07/2006
Method Blank Lab Sample ID : PB20006BL
Preparation Batch : PB20006

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	1.087	20.000	mg/Kg	J	

Aluminum contamination found in the method blank did not qualify any samples.

Arsenic	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.533	1.000	mg/Kg	J	

Arsenic contamination found in the method blank did not qualify any samples.

Barium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.100	20.000	mg/Kg	J	

Barium contamination found in the method blank did not qualify any samples.

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.191	0.500	mg/Kg	J	

Cadmium contamination found in the method blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.712	500.000	mg/Kg	J	

Calcium contamination found in the method blank did not qualify any samples.

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.198	5.000	mg/Kg	J	

Cobalt contamination found in the method blank did not qualify any samples.

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.098	2.500	mg/Kg	J	

Copper contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X3078
Lab ID: CCGE
Analysis Method : 6010B
Analysis Date : 06/08/2006
Preparation Type : 3010A
Preparation Date : 06/07/2006
Method Blank Lab Sample ID : PB20006BL
Preparation Batch : PB20006

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.218	1.500	mg/Kg	J	

Manganese contamination found in the method blank did not qualify any samples.

Nickel	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.291	4.000	mg/Kg	J	

Nickel contamination found in the method blank did not qualify any samples.

Thallium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.598	1.000	mg/Kg	J	

Thallium contamination found in the method blank did not qualify any samples.

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.086	5.000	mg/Kg	J	

Vanadium contamination found in the method blank did not qualify any samples.

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-0.598	2.000	mg/Kg	J	

Zinc contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X3078 **Lab ID:** CCGE
Analysis Method : 6010B **Analysis Date :** 06/09/2006
Preparation Type : 3010A **Preparation Date :** 06/07/2006
Method Blank Lab Sample ID : PB20009BL **Preparation Batch :** PB20009

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**10.440**	**200.000**	**ug/L**	**J**	

Aluminum contamination found in the method blank did not qualify any samples.

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**4.770**	**60.000**	**ug/L**	**J**	

Antimony was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWE12-02	X3078-01	1	8.360	J	ug/L
DL-MWF03-02	X3078-08	1	6.690	J	ug/L
DL-SW10-0	X3078-13	1	12.3	J	ug/L

Arsenic	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-4.170**	**10.000**	**ug/L**	**J**	

Arsenic contamination found in the method blank did not qualify any samples.

Barium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.320**	**200.000**	**ug/L**	**J**	

Barium contamination found in the method blank did not qualify any samples.

Beryllium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.260**	**5.000**	**ug/L**	**J**	

Beryllium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-02	X3078-07	1	0.450	J	ug/L
DL-MWF03-02	X3078-08	1	0.880	J	ug/L
DL-MWH10-02	X3078-09	1	0.880	J	ug/L
DL-MWK09-02	X3078-05	1	1.010	J	ug/L
DL-MWL13-02	X3078-04	1	0.310	J	ug/L
DL-SW09-0	X3078-12	1	0.380	J	ug/L
DL-SW10-0	X3078-13	1	0.380	J	ug/L

Method Blank Outlier Report

Lab Reporting Batch : X3078 **Lab ID:** CCGE
Analysis Method : 6010B **Analysis Date :** 06/09/2006
Preparation Type : 3010A **Preparation Date :** 06/07/2006
Method Blank Lab Sample ID : PB20009BL **Preparation Batch :** PB20009

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.960**	**5.000**	**ug/L**	**J**	

Cadmium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-02	X3078-07	1	0.900	J	ug/L
DL-MWF03-02	X3078-08	1	1.230	J	ug/L
DL-MWH10-02	X3078-09	1	1.110	J	ug/L
DL-MWK09-02	X3078-05	1	1.440	J	ug/L
DL-MWL13-02	X3078-04	1	0.740	J	ug/L
DL-SW09-0	X3078-12	1	1.160	J	ug/L
DL-SW10-0	X3078-13	1	0.980	J	ug/L

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-5.860**	**5000.000**	**ug/L**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.700**	**10.000**	**ug/L**	**J**	

Chromium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWL13-02	X3078-04	1	3.300	J	ug/L

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.630**	**50.000**	**ug/L**	**J**	

Cobalt was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWL13-02	X3078-04	1	1.360	J	ug/L
DL-SW10-0	X3078-13	1	1.890	J	ug/L

Method Blank Outlier Report

Lab Reporting Batch : X3078 **Lab ID:** CCGE
Analysis Method : 6010B **Analysis Date :** 06/09/2006
Preparation Type : 3010A **Preparation Date :** 06/07/2006
Method Blank Lab Sample ID : PB20009BL **Preparation Batch :** PB20009

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.280	15.000	ug/L	J	

Manganese contamination found in the method blank did not qualify any samples.

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-4.310	10.000	ug/L	J	

Selenium contamination found in the method blank did not qualify any samples.

Thallium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-4.280	10.000	ug/L	J	

Thallium contamination found in the method blank did not qualify any samples.

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	1.730	50.000	ug/L	J	

Vanadium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWL13-02	X3078-04	1	3.230	J	ug/L
DL-SW09-0	X3078-12	1	6.350	J	ug/L
DL-SW10-0	X3078-13	1	4.200	J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-3.710	20.000	ug/L	J	

Zinc contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X3078 **Lab ID:** CCGE
Analysis Method : 6010B **Analysis Date :** 06/09/2006
Preparation Type : 3010A **Preparation Date :** 06/07/2006
Method Blank Lab Sample ID : PB20010BL **Preparation Batch :** PB20010

Aluminum	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**8.780**	**200.000**	**ug/L**	**J**	

Aluminum was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-02	X3078-20	1	20.5	J	ug/L
DL-MWE12-02	X3078-16	1	25.4	J	ug/L
DL-MWE12-02D	X3078-17	1	11.8	J	ug/L
DL-MWF03-02	X3078-21	1	11.8	J	ug/L
DL-MWH10-02	X3078-22	1	19.1	J	ug/L
DL-MWK09-02	X3078-19	1	19.7	J	ug/L

Antimony	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**3.690**	**60.000**	**ug/L**	**J**	

Antimony was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWE12-02	X3078-16	1	5.380	J	ug/L

Barium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**2.360**	**200.000**	**ug/L**	**J**	

Barium contamination found in the method blank did not qualify any samples.

Beryllium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.260**	**5.000**	**ug/L**	**J**	

Beryllium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-02	X3078-20	1	0.260	J	ug/L
DL-MWE12-02	X3078-16	1	0.310	J	ug/L
DL-MWE12-02D	X3078-17	1	0.310	J	ug/L
DL-MWF03-02	X3078-21	1	0.270	J	ug/L
DL-MWH10-02	X3078-22	1	0.310	J	ug/L
DL-MWK09-02	X3078-19	1	0.260	J	ug/L
DL-MWL13-02	X3078-18	1	0.260	J	ug/L

Method Blank Outlier Report

Lab Reporting Batch : X3078 **Lab ID:** CCGE
Analysis Method : 6010B **Analysis Date :** 06/09/2006
Preparation Type : 3010A **Preparation Date :** 06/07/2006
Method Blank Lab Sample ID : PB20010BL **Preparation Batch :** PB20010

Cadmium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**1.030**	**5.000**	**ug/L**	**J**	

Cadmium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-02	X3078-20	1	0.670	J	ug/L
DL-MWE12-02	X3078-16	1	3.160	J	ug/L
DL-MWE12-02D	X3078-17	1	2.770	J	ug/L
DL-MWF03-02	X3078-21	1	0.750	J	ug/L
DL-MWH10-02	X3078-22	1	0.850	J	ug/L
DL-MWK09-02	X3078-19	1	0.750	J	ug/L
DL-MWL13-02	X3078-18	1	0.880	J	ug/L

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-8.870**	**5000.000**	**ug/L**	**J**	

Calcium contamination found in the method blank did not qualify any samples.

Chromium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.590**	**10.000**	**ug/L**	**J**	

Chromium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWL13-02	X3078-18	1	2.620	J	ug/L

Cobalt	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**0.660**	**50.000**	**ug/L**	**J**	

Cobalt was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-02	X3078-20	1	1.570	J	ug/L
DL-MWF03-02	X3078-21	1	1.320	J	ug/L
DL-MWK09-02	X3078-19	1	0.970	J	ug/L
DL-MWL13-02	X3078-18	1	0.630	J	ug/L

Method Blank Outlier Report

Lab Reporting Batch : X3078 **Lab ID:** CCGE
Analysis Method : 6010B **Analysis Date :** 06/09/2006
Preparation Type : 3010A **Preparation Date :** 06/07/2006
Method Blank Lab Sample ID : PB20010BL **Preparation Batch :** PB20010

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.250	15.000	ug/L	J	

Manganese contamination found in the method blank did not qualify any samples.

Selenium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-3.990	10.000	ug/L	J	

Selenium contamination found in the method blank did not qualify any samples.

Thallium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-4.480	10.000	ug/L	J	

Thallium contamination found in the method blank did not qualify any samples.

Vanadium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	1.730	50.000	ug/L	J	

Vanadium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
DL-MWD06-02	X3078-20	1	0.830	J	ug/L
DL-MWE12-02	X3078-16	1	2.060	J	ug/L
DL-MWE12-02D	X3078-17	1	2.280	J	ug/L
DL-MWF03-02	X3078-21	1	1.760	J	ug/L
DL-MWH10-02	X3078-22	1	1.880	J	ug/L
DL-MWL13-02	X3078-18	1	1.600	J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	-3.630	20.000	ug/L	J	

Zinc contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X3078
Lab ID: CCGE
Analysis Method : 7470A
Analysis Date : 06/12/2006
Preparation Type : 7470A
Preparation Date : 06/12/2006
Method Blank Lab Sample ID : PB20116BL
Preparation Batch : PB20116

Mercury	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.058**	**0.200**	**ug/L**	**J**	

Mercury contamination found in the method blank did not qualify any samples.

Method Blank Outlier Report

Lab Reporting Batch : X3078
Lab ID: CCGE
Analysis Method : 7470A
Analysis Date : 06/13/2006
Preparation Type : 7470A
Preparation Date : 06/13/2006
Method Blank Lab Sample ID : PB20159BL
Preparation Batch : PB20159

Mercury	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	**-0.078**	**0.200**	**ug/L**	**J**	

Mercury contamination found in the method blank did not qualify any samples.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 6010B **Analysis Method :** 6010B **Analysis Date :** 06/09/2006

Preparation Batch : PB20009 **Preparation Type :** 3010A **Preparation Date :** 06/07/2006

Lab Reporting Batch : X3078 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-02MS	X3078-10S	AQ	Aluminum	175.1		30.00	80.00	120.00	20.00
	X3078-23S		Barium	122.2		30.00	80.00	120.00	20.00
	X3078-10S		Barium	78.0		30.00	80.00	120.00	20.00
	X3078-23S		Calcium	345.7		30.00	80.00	120.00	20.00
	X3078-10S		Calcium	-8821		30.00	80.00	120.00	20.00
			Cobalt	78.0		30.00	80.00	120.00	20.00
			Iron	-8.5		30.00	80.00	120.00	20.00
			Lead	79.5		30.00	80.00	120.00	20.00
			Magnesium	-1257		30.00	80.00	120.00	20.00
	X3078-23S		Magnesium	145.7		30.00	80.00	120.00	20.00
	X3078-10S		Manganese	-11.0		30.00	80.00	120.00	20.00
			Nickel	78.5		30.00	80.00	120.00	20.00
	X3078-23S		Potassium	142.4		30.00	80.00	120.00	20.00
			Sodium	219.8		30.00	80.00	120.00	20.00
	X3078-10S		Sodium	-164		30.00	80.00	120.00	20.00
DL-MWH10-02MSD	X3078-11SD		Aluminum	177.8		30.00	80.00	120.00	20.00
			Antimony	72.4		30.00	80.00	120.00	20.00
			Barium	78.4		30.00	80.00	120.00	20.00
	X3078-24SD		Barium	122.1		30.00	80.00	120.00	20.00
			Calcium	339.9		30.00	80.00	120.00	20.00
	X3078-11SD		Calcium	-8787		30.00	80.00	120.00	20.00
			Cobalt	77.8		30.00	80.00	120.00	20.00
			Iron	-7.9		30.00	80.00	120.00	20.00
	X3078-24SD		Magnesium	144.2		30.00	80.00	120.00	20.00
	X3078-11SD		Magnesium	-1255		30.00	80.00	120.00	20.00
			Manganese	-10.9		30.00	80.00	120.00	20.00
			Nickel	78.3		30.00	80.00	120.00	20.00
	X3078-24SD		Potassium	143.0		30.00	80.00	120.00	20.00
			Sodium	219.9		30.00	80.00	120.00	20.00
	X3078-11SD		Sodium	-141		30.00	80.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
DL-MWD06-02	X3078-20
DL-MWD06-02	X3078-07
DL-MWE12-02	X3078-16
DL-MWE12-02	X3078-01
DL-MWE12-02D	X3078-17
DL-MWE12-02D	X3078-02
DL-MWF03-02	X3078-21
DL-MWF03-02	X3078-08
DL-MWH10-02	X3078-22

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: ***Depew Landfill RI - NYSDEC Depew Landfill RI Project***

DL-MWH10-02	X3078-09
DL-MWK09-02	X3078-05
DL-MWK09-02	X3078-19
DL-MWL13-02	X3078-04
DL-MWL13-02	X3078-18
DL-SD09-0	X3078-14
DL-SD10-0	X3078-15
DL-SW09-0	X3078-12
DL-SW10-0	X3078-13

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: X3078 **Lab ID:CCGE**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-MWE12-02	DL-MWE12-02D	6010B
DL-MWE12-02	DL-MWE12-02D	7470A

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
AQ	Aluminum	DL-MWE12-02	RES/DIS	25.4	J	DL-MWE12-02D	RES/DIS	11.8	J	73.1	40	ug/L	Poor	J
AQ	Aluminum		RES/TOT	23700			RES/TOT	19300		20.5	40	ug/L	Good	None
AQ	Arsenic		RES/TOT	29.5			RES/TOT	23.3		23.5	40	ug/L	Good	None
AQ	Barium		RES/TOT	838			RES/TOT	752		10.8	40	ug/L	Good	None
AQ	Barium		RES/DIS	125	J		RES/DIS	121	J	3.25	40	ug/L	Good	None
AQ	Beryllium		RES/TOT	1.810	J		RES/TOT	1.540	J	16.1	40	ug/L	Good	None
AQ	Beryllium		RES/DIS	0.310	J		RES/DIS	0.310	J	0	40	ug/L	Good	None
AQ	Cadmium		RES/TOT	10.7			RES/TOT	8.780		19.7	40	ug/L	Good	None
AQ	Cadmium		RES/DIS	3.160	J		RES/DIS	2.770	J	13.2	40	ug/L	Good	None
AQ	Calcium		RES/DIS	173000			RES/DIS	163000		5.95	40	ug/L	Good	None
AQ	Calcium		RES/TOT	212000			RES/TOT	187000		12.5	40	ug/L	Good	None
AQ	Chromium		RES/TOT	116			RES/TOT	94.8		20.1	40	ug/L	Good	None
AQ	Chromium		RES/DIS	7.630	J		RES/DIS	4.780	J	45.9	40	ug/L	Poor	J
AQ	Cobalt		RES/TOT	30.5	J		RES/TOT	25.9	J	16.3	40	ug/L	Good	None
AQ	Cobalt		RES/DIS	7.100	J		RES/DIS	7.680	J	7.85	40	ug/L	Good	None
AQ	Copper		RES/TOT	577			RES/TOT	461		22.4	40	ug/L	Good	None

Table 4: Field Duplicate Summary Report

Method: 6010B

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
AQ	Copper	DL-MWE12-02	RES/DIS	20.4	J	DL-MWE12-02D	RES/DIS	14.9	J	31.2	40	ug/L	Good	None
AQ	Iron		RES/TOT	49100			RES/TOT	41700		16.3	40	ug/L	Good	None
AQ	Lead		RES/TOT	4270			RES/TOT	3260		26.8	40	ug/L	Good	None
AQ	Magnesium		RES/TOT	38200			RES/TOT	33000		14.6	40	ug/L	Good	None
AQ	Magnesium		RES/DIS	23000			RES/DIS	21700		5.82	40	ug/L	Good	None
AQ	Manganese		RES/TOT	2880			RES/TOT	2630		9.07	40	ug/L	Good	None
AQ	Manganese		RES/DIS	2430			RES/DIS	2480		2.04	40	ug/L	Good	None
AQ	Nickel		RES/DIS	94.6			RES/DIS	80.7		15.9	40	ug/L	Good	None
AQ	Nickel		RES/TOT	190			RES/TOT	168		12.3	40	ug/L	Good	None
AQ	Potassium		RES/TOT	23200			RES/TOT	20400		12.8	40	ug/L	Good	None
AQ	Potassium		RES/DIS	22000			RES/DIS	20900		5.13	40	ug/L	Good	None
AQ	Sodium		RES/TOT	503000			RES/TOT	458000		9.37	40	ug/L	Good	None
AQ	Sodium		RES/DIS	609000			RES/DIS	576000		5.57	40	ug/L	Good	None
AQ	Vanadium		RES/TOT	77.8			RES/TOT	63.5		20.2	40	ug/L	Good	None
AQ	Vanadium		RES/DIS	2.060	J		RES/DIS	2.280	J	10.1	40	ug/L	Good	None
AQ	Zinc		RES/TOT	3130			RES/TOT	2520		21.6	40	ug/L	Good	None
AQ	Zinc		RES/DIS	450			RES/DIS	382		16.3	40	ug/L	Good	None

Method: 7470A

		Field Sample				Field Sample Duplicate*								
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD -	Limits	Units	Rating	Qual
AQ	Mercury	DL-MWE12-02	RES/TOT	0.0700	J	DL-MWE12-02D	RES/TOT	0.0500	J	33.3	40	ug/L	Good	None

***Field Duplicate Results with one or both results ND are not included in this report**

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: June 28, 2006	Data Validation Chemist: BKrajewski

Reference

ProjectName	Project Number	Lab Report Batch	Lab Receipt Date
NYSDEC Depew Landfill RI Project	Depew Landfill RI	X3078	06/02/2006 10:30

Table 1: Sample Summary Tables from Electronic Data Deliverables

Sample ID	Matrix	Lab ID	Sample Date	QC Type
DL-MWD06-02	AQ	X3078-07	06/01/2006 12:06	
DL-MWE12-02	AQ	X3078-01	06/01/2006 10:00	
DL-MWE12-02D	AQ	X3078-02	06/01/2006 10:10	FD
DL-MWF03-02	AQ	X3078-08	06/01/2006 12:10	
DL-MWH10-02	AQ	X3078-09	06/01/2006 16:50	
DL-MWH10-02MS	AQ	X3078-10MS	06/01/2006 16:50	MS
DL-MWH10-02MSD	AQ	X3078-11MSD	06/01/2006 16:50	MSD
DL-MWK09-02	AQ	X3078-05	06/01/2006 08:45	
DL-MWL13-02	AQ	X3078-04	06/01/2006 08:40	
DL-SD09-0	SO	X3078-14	06/01/2006 13:14	
DL-SD10-0	SO	X3078-15	06/01/2006 13:22	
DL-SD10-0DUP	SO	X3078-15D	06/01/2006 13:22	DUP
DL-SD10-0MS	SO	X3078-15S	06/01/2006 13:22	MS

Table 2: Tests and Number of Samples Included in this DUSR

Matrix	Test Method	Method Name	Number of Samples
AQ	8082	Polychlorinated Biphenyls (PCBs) by GC using ECD	7
AQ	8270C	Semi-Volatile Organic Compounds by GC/MS	7
SO	415.1_LK	Total Organic Carbon by Lloyd Kahn	2

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-02	8270C	RES	1,1-Biphenyl	11	ug/L	U	11	UJ	10L,12
DL-MWD06-02	8270C	RES	2-Methylnaphthalene	11	ug/L	U	11	UJ	23L,12
DL-MWD06-02	8270C	RES	Benzaldehyde	11	ug/L	U	11	UJ	10L,19L,12
DL-MWD06-02	8270C	RES	Benzo(b)fluoranthene	11	ug/L	U	11	UJ	23L,12
DL-MWD06-02	8270C	RES	Benzo(g,h,i)perylene	11	ug/L	U	11	UJ	23L,12

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: June 28, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWD06-02	8270C	RES	Benzo(k)fluoranthene	11	ug/L	U	11	UJ	23L,12
DL-MWD06-02	8270C	RES	Caprolactam	11	ug/L	U	11	UJ	10L,23L,12
DL-MWD06-02	8270C	RES	Dibenz(a,h)anthracene	11	ug/L	U	11	UJ	23L,12
DL-MWD06-02	8270C	RES	Dimethylphthalate	11	ug/L	U	11	UJ	10L,12
DL-MWD06-02	8270C	RES	Indeno(1,2,3-cd)pyrene	11	ug/L	U	11	UJ	23L,12
DL-MWE12-02	8270C	RES	1,1-Biphenyl	10	ug/L	U	10	UJ	10L
DL-MWE12-02	8270C	RES	2,4,5-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	2,4,6-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	2,4-Dichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	2,4-Dimethylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	2,4-Dinitrophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	2-Chlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	2-Methylnaphthalene	10	ug/L	U	10	UJ	23L
DL-MWE12-02	8270C	RES	2-Methylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	2-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	3+4-Methylphenols	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	4,6-Dinitro-2-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	4-Chloro-3-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	Acetophenone	10	ug/L	U	10	UJ	7L
DL-MWE12-02	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L,19L
DL-MWE12-02	8270C	RES	Benzo(b)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWE12-02	8270C	RES	Benzo(g,h,i)perylene	10	ug/L	U	10	UJ	23L
DL-MWE12-02	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWE12-02	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L,23L
DL-MWE12-02	8270C	RES	Dibenz(a,h)anthracene	10	ug/L	U	10	UJ	23L
DL-MWE12-02	8270C	RES	Dimethylphthalate	10	ug/L	U	10	UJ	10L
DL-MWE12-02	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWE12-02	8270C	RES	Pentachlorophenol	10	ug/L	U	10	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: June 28, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWE12-02	8270C	RES	Phenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	1,1-Biphenyl	10	ug/L	U	10	UJ	10L
DL-MWE12-02D	8270C	RES	2,4,5-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	2,4,6-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	2,4-Dichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	2,4-Dimethylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	2,4-Dinitrophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	2-Chlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	2-Methylnaphthalene	10	ug/L	U	10	UJ	23L
DL-MWE12-02D	8270C	RES	2-Methylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	2-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	3+4-Methylphenols	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	4,6-Dinitro-2-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	4-Chloro-3-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	Acetophenone	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L,19L
DL-MWE12-02D	8270C	RES	Benzo(b)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWE12-02D	8270C	RES	Benzo(g,h,i)perylene	10	ug/L	U	10	UJ	23L
DL-MWE12-02D	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWE12-02D	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L,23L
DL-MWE12-02D	8270C	RES	Dibenz(a,h)anthracene	10	ug/L	U	10	UJ	23L
DL-MWE12-02D	8270C	RES	Dimethylphthalate	10	ug/L	U	10	UJ	10L
DL-MWE12-02D	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWE12-02D	8270C	RES	Pentachlorophenol	10	ug/L	U	10	UJ	7L
DL-MWE12-02D	8270C	RES	Phenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	1,1-Biphenyl	10	ug/L	U	10	UJ	10L
DL-MWF03-02	8270C	RES	2,4,5-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	2,4,6-Trichlorophenol	10	ug/L	U	10	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: June 28, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWF03-02	8270C	RES	2,4-Dichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	2,4-Dimethylphenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	2,4-Dinitrophenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	2-Chlorophenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	2-Methylnaphthalene	10	ug/L	U	10	UJ	23L
DL-MWF03-02	8270C	RES	2-Methylphenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	2-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	3+4-Methylphenols	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	4,6-Dinitro-2-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	4-Chloro-3-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	Acetophenone	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8082	RES	AROCLOR 1260	1.5	ug/L	P	1.5	J	31
DL-MWF03-02	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L,19L
DL-MWF03-02	8270C	RES	Benzo(b)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWF03-02	8270C	RES	Benzo(g,h,i)perylene	10	ug/L	U	10	UJ	23L
DL-MWF03-02	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWF03-02	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L,23L
DL-MWF03-02	8270C	RES	Dibenz(a,h)anthracene	10	ug/L	U	10	UJ	23L
DL-MWF03-02	8270C	RES	Dimethylphthalate	10	ug/L	U	10	UJ	10L
DL-MWF03-02	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWF03-02	8270C	RES	Pentachlorophenol	10	ug/L	U	10	UJ	7L
DL-MWF03-02	8270C	RES	Phenol	10	ug/L	U	10	UJ	7L
DL-MWH10-02	8270C	RES	1,1-Biphenyl	10	ug/L	U	10	UJ	10L
DL-MWH10-02	8270C	RES	3,3-Dichlorobenzidine	10	ug/L	U	10	UJ	8L
DL-MWH10-02	8270C	RES	3-Nitroaniline	10	ug/L	U	10	UJ	9
DL-MWH10-02	8270C	RES	4-Chloroaniline	10	ug/L	U	10	UJ	9
DL-MWH10-02	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	9,23L
DL-MWH10-02	8082	RES	AROCLOR 1260	0.51	ug/L	U	0.51	UJ	9,12

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: June 28, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWH10-02	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	8L,19L,10L
DL-MWH10-02	8270C	RES	Benzo(b)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWH10-02	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWH10-02	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	9,10L,8L
DL-MWH10-02	8270C	RES	Dimethylphthalate	10	ug/L	U	10	UJ	10L
DL-MWK09-02	8270C	RES	1,1-Biphenyl	10	ug/L	U	10	UJ	10L
DL-MWK09-02	8270C	RES	2,4,5-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	2,4,6-Trichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	2,4-Dichlorophenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	2,4-Dimethylphenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	2,4-Dinitrophenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	2-Chlorophenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	2-Methylnaphthalene	10	ug/L	U	10	UJ	23L
DL-MWK09-02	8270C	RES	2-Methylphenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	2-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	3+4-Methylphenols	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	4,6-Dinitro-2-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	4-Chloro-3-methylphenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	4-Nitrophenol	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	Acetophenone	10	ug/L	U	10	UJ	7L
DL-MWK09-02	8270C	RES	Benzaldehyde	10	ug/L	U	10	UJ	10L,19L
DL-MWK09-02	8270C	RES	Benzo(b)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWK09-02	8270C	RES	Benzo(g,h,i)perylene	10	ug/L	U	10	UJ	23L
DL-MWK09-02	8270C	RES	Benzo(k)fluoranthene	10	ug/L	U	10	UJ	23L
DL-MWK09-02	8270C	RES	Caprolactam	10	ug/L	U	10	UJ	10L,23L
DL-MWK09-02	8270C	RES	Dibenz(a,h)anthracene	10	ug/L	U	10	UJ	23L
DL-MWK09-02	8270C	RES	Dimethylphthalate	10	ug/L	U	10	UJ	10L
DL-MWK09-02	8270C	RES	Indeno(1,2,3-cd)pyrene	10	ug/L	U	10	UJ	23L
DL-MWK09-02	8270C	RES	Pentachlorophenol	10	ug/L	U	10	UJ	7L

DUSR - Attachment 1	Project: Depew Landfill RI
Laboratory: CCGE	Lab SDG ID: X3078
Date Completed: June 28, 2006	Data Validation Chemist: BKrajewski

Table 3: Qualified Data Summary

Client SampleID	Method	Type	AnalyteName	Result	Units	Lab Qual	Result/Qual/Code		
DL-MWK09-02	8270C	RES	Phenol	10	ug/L	U	10	UJ	7L
DL-MWL13-02	8270C	RES	1,1-Biphenyl	11	ug/L	U	11	UJ	10L,12
DL-MWL13-02	8270C	RES	2-Methylnaphthalene	11	ug/L	U	11	UJ	23L,12
DL-MWL13-02	8270C	RES	Benzaldehyde	11	ug/L	U	11	UJ	10L,19L,12
DL-MWL13-02	8270C	RES	Benzo(b)fluoranthene	11	ug/L	U	11	UJ	23L,12
DL-MWL13-02	8270C	RES	Benzo(g,h,i)perylene	11	ug/L	U	11	UJ	23L,12
DL-MWL13-02	8270C	RES	Benzo(k)fluoranthene	11	ug/L	U	11	UJ	23L,12
DL-MWL13-02	8270C	RES	Caprolactam	11	ug/L	U	11	UJ	10L,23L,12
DL-MWL13-02	8270C	RES	Dibenz(a,h)anthracene	11	ug/L	U	11	UJ	23L,12
DL-MWL13-02	8270C	RES	Dimethylphthalate	11	ug/L	U	11	UJ	10L,12
DL-MWL13-02	8270C	RES	Indeno(1,2,3-cd)pyrene	11	ug/L	U	11	UJ	23L,12

Table 3: Data Validation Code Qualifier Key

DV Qual Code	DV Qual Code Description
7L	Surrogate recovery outside control limits. Result has a low bias.
8L	Matrix spike recovery outside control limits. Result has a low bias.
9	Matrix spike duplicate RPD outside control limits.
10L	LCS recovery outside control limits. Result has a low bias.
12	Result is below project reporting limit, but above MDL.
19L	Initial calibration relative standard deviation exceeded control limits. Result has a low bias.
23L	Continuing calibration verification percent difference exceeded control limits. Result has a low bias.
31	Result qualified based on professional judgement.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 06/07/2006

Preparation Batch : PB20012B **Preparation Type :** 3510C **Preparation Date :** 06/07/2006

Lab Reporting Batch : X3078 **Lab ID:** CCGE

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
PB20012BS	AQ	1,1-Biphenyl	68		10.00	70.00	130.00	20.00
		Benzaldehyde	30		10.00	70.00	130.00	20.00
		Caprolactam	15		10.00	70.00	130.00	20.00
		Dimethylphthalate	44		10.00	58.00	105.00	20.00
		Indeno(1,2,3-cd)pyrene	154		10.00	35.00	127.00	20.00

Associated Samples

Client Sample ID	Lab Sample ID
DL-MWD06-02	X3078-07
DL-MWE12-02	X3078-01
DL-MWE12-02D	X3078-02
DL-MWF03-02	X3078-08
DL-MWH10-02	X3078-09
DL-MWK09-02	X3078-05
DL-MWL13-02	X3078-04

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8082B **Analysis Method :** 8082 **Analysis Date :** 06/15/2006

Preparation Batch : PB20014 **Preparation Type :** 5030B **Preparation Date :** 06/07/2006

Lab Reporting Batch : X3078 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-02MSD	X3078-11MSD	AQ	AROCLOR 1260		26	10.00	60.00	134.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-MWH10-02	X3078-09

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 8270C **Analysis Method :** 8270C **Analysis Date :** 06/07/2006

Preparation Batch : PB20012B **Preparation Type :** 3510C **Preparation Date :** 06/07/2006

Lab Reporting Batch : X3078 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
DL-MWH10-02MS	X3078-10MS	AQ	2-Chlorophenol	88		10.00	45.00	87.00	20.00
			3,3-Dichlorobenzidine	8		10.00	33.00	121.00	20.00
			Benzaldehyde	36		10.00	70.00	130.00	20.00
			bis(2-Chloroethyl)ether	96		10.00	47.00	94.00	20.00
			Caprolactam	54		10.00	70.00	130.00	20.00
			Phenol	50		10.00	18.00	37.00	20.00
DL-MWH10-02MSD	X3078-11MSD		3,3-Dichlorobenzidine	7		10.00	33.00	121.00	20.00
			3-Nitroaniline		41	10.00	25.00	96.00	20.00
			4-Chloroaniline		58	10.00	20.00	84.00	20.00
			4-Nitrophenol		22	10.00	20.00	115.00	20.00
			Benzaldehyde	32		10.00	70.00	130.00	20.00
			Caprolactam	68	23	10.00	70.00	130.00	20.00
			Phenol	44		10.00	18.00	37.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
DL-MWH10-02	X3078-09

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: Depew Landfill RI - NYSDEC Depew Landfill RI Project

Table 4: Field Duplicate Summary Report

Lab SDG: **#Error**

Field Duplicates in this SDG

Sample ID	Field DupID	Method
DL-MWE12-02	DL-MWE12-02D	8082
DL-MWE12-02	DL-MWE12-02D	8270C

Method:

		Field Sample				Field Sample Duplicate*							
Matrix	Analyte	Sample ID	Type	Result	(Q)	Field Dup ID	Type	Result	(Q)	%RPD - Limits	Units	Rating	Qual

*Field Duplicate Results with one or both results ND are not included in this report

Surrogate Recovery Outlier Report

Lab Report Batch: X3078 **Lab ID:** CCGE

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
DL-MWD06-02	X3078-07	8082	1	AQ	Decachlorobiphenyl	62	70.0	130.0	10.0	All Target
DL-MWE12-02	X3078-01	8082	1	AQ	Decachlorobiphenyl	64	70.0	130.0	10.0	All Target
		8270C			2-Fluorophenol	37	45.0	135.0	10.0	Acid
					Phenol-d5	33	60.0	120.0	10.0	Acid
DL-MWE12-02D	X3078-02	8082	1	AQ	Decachlorobiphenyl	63	70.0	130.0	10.0	All Target
		8270C			2-Fluorophenol	37	45.0	135.0	10.0	Acid
					Phenol-d5	33	60.0	120.0	10.0	Acid
DL-MWF03-02	X3078-08	8270C	1	AQ	2-Fluorophenol	41	45.0	135.0	10.0	Acid
					Phenol-d5	35	60.0	120.0	10.0	Acid
DL-MWH10-02	X3078-09	8082	1	AQ	Decachlorobiphenyl	45	70.0	130.0	10.0	All Target
DL-MWH10-02MS	X3078-10MS	8082	1	AQ	Decachlorobiphenyl	64	70.0	130.0	10.0	All Target
DL-MWH10-02MSD	X3078-11MSD	8082	1	AQ	Decachlorobiphenyl	44	70.0	130.0	10.0	All Target
DL-MWK09-02	X3078-05	8082	1	AQ	Decachlorobiphenyl	53	70.0	130.0	10.0	All Target
		8270C			2-Fluorophenol	36	45.0	135.0	10.0	Acid
					Phenol-d5	25	60.0	120.0	10.0	Acid
DL-MWL13-02	X3078-04	8082	1	AQ	Decachlorobiphenyl	55	70.0	130.0	10.0	All Target

Project Number and Name: ***Depew Landfill RI - NYSDEC Depew Landfill RI Project***

Data Usability Summary Report	Project: Depew Landfill
Date Completed: August 4, 2006	Completed by: B. Krajewski

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness per NYSDEC Division of Environmental Remediation Guidance for the Development of DUSRs (June 1999). Specific criteria for QC limits were obtained from the project QAPP. Compliance with the project QA program is indicated on the in the checklist and tables. Any major or minor concerns affected data usability are summarized listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Table 1 Sample Summary Tables

Sample ID	Sample Date	Matrix	Lab ID	Lab QC	Corrected Sample ID
DL-HA-E2-RE	7/17/2006	Soil	X3751-01	MS/MSD	
DL-HA-F1-RE	7/17/2006	Soil	X3751-04		
DL-HA-G1-RE	7/17/2006	Soil	X3751-05		
DL-HA-C13-RE	7/17/2006	Soil	X3751-06		
DL-HA-E3-RE	7/17/2006	Soil	X3751-07		
DL-HA-E8A-02-RE	7/17/2006	Soil	X3751-08		
DL-HA-RB	7/17/2006	Aqeuous	X3751-09		
DL-HA-F1-RE-D	7/17/2006	Soil	X3751-10		
DL-HA-E2-RE	7/17/2006	Soil	X3751-11	MS/MSD	
DL-HA-F1-RE	7/17/2006	Soil	X3751-14		
DL-HA-G1-RE	7/17/2006	Soil	X3751-15		
DL-HA-C13-RE	7/17/2006	Soil	X3751-16		
DL-HA-E3-RE	7/17/2006	Soil	X3751-17		
DL-HA-E8A-02-RE	7/17/2006	Soil	X3751-18		
DL-HA-F1-RE-D	7/17/2006	Soil	X3751-19		
DL-BHK11-01	2/23/2006	Soil	X3751-20		
DL-BHH11-01	2/28/2006	Soil	X3751-21		
DL-SD03-O	3/2/2006	Soil	X3751-22		
DL-SD01-O	3/2/2006	Soil	X3751-23		

Work Orders, Tests and Number of Samples included in this DUSR

Work Orders	Matrix	Test Method	Number of Samples
X3752	Soil	SW 6010B	7
X3752	Aqueous	SW60101B	1
X3752	Soil	SW1311/SW6010B	11

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes
Did coolers arrive at lab between 2 and 6^{o}C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples	Yes

Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	
All ASP Forms complete?	Yes
Case narrative present and complete?	Yes
Any holding time violations (See table below)?	No - All samples were prepared and analyzed within holding times.

Insert Holding time table below.

The following tables are presented at the end of this DUSR and provided summaries of results outside QC criteria.

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS Outside Limits (Table 5)
- Re-analysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Metals by ICP and Mercury by CVAA	
Description	**Notes and Qualifiers**
Any compounds present in method and field blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	No samples flagged based on method or calibration blanks
Laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes
MS/MSD within QC criteria (see Table 4)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	Yes 4X rule applied to total lead matrix spike results
Were elements recovered ≤30%? If so, "R" flag associated NDs on Form 1's.	No
LCS within QC criteria (see Table 5)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes – All soil sample and TCLP results flagged "J"
Spot check ICS recoveries 80-120%. Contact lab.	All are acceptable.
Spot check ICV 95-105%. Contact lab.	All are acceptable.
Spot check CCV 90-110% or 80-120% for Hg. Contact lab.	All are acceptable.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes

Data Usability Summary Report	Project: Depew Landfill
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Summary of Potential Impacts on Data Usability
Major Concerns
None
Minor Concerns
All soil sample total and TCLP lead results qualified “J” based on serial dilution results.

Table 2 - List of Positive Results for Blank Samples
None

Table 2A - List of Samples Qualified for Method Blank Contamination
None

Table 2B - List of Samples Qualified for Field Blank Contamination
None

Table 3 - List of Samples with Surrogates outside Control Limits
NA

Table 4 - List MS/MSD Recoveries and RPDs outside Control Limits
None

Table 5 - List LCS Recoveries outside Control Limits
None

Table 6 –Samples that were Reanalyzed
None

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	PQL	Anal Type	DL-HA-F1-RE	DL-HA-F1-RE-D	RPD	RPD Rating	Samp Qual
SW6010B	Lead	mg/Kg	0.375	A	2690	1610	50.2%	Good	None
SW1311/SW6010B	Lead	mg/L	1.0	A	0.370	0.449	19.3%	Good	None

Key:
A = Analyte
NC = Not Calculated
ND = Not Detected
PQL = Practical Quantitation Limit
RPD = Relative Percent Difference
T = Tentatively Identified Compound

Data Usability Summary Report	Project: Depew Landfill
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