Collection and Transport of Liquid Behind Temporary Berm – Order 19 (d)

EPA Order: WM shall continue to collect and transport to a local treatment facility the liquids retained behind the temporary berm in cell E6. WM shall provide a written description of the collection and treatment activities, the current permitting and the chemical parameters of the liquids, and transportation methods to the local treatment facility.

WM Response: WM began removing storm water that was stored behind the temporary berm in cell E6 via tanker trucks and transported the water to permitted treatment facilities operated by the City and County of Honolulu on January 19, 2011. Attached is a copy of sample results from the storm water collected at the sediment pond outfall on January 13th (Attachment 1). Also attached is a summary copy of the hauling logs that detail the volume of transported liquid, and the name of the waste water treatment plant (Attachment 2). WM is unaware of any pretreatment standards for discharging stormwater to these wastewater treatment plants. Samples from the sediment basin were also collected on February 2, 2010 and those results are summarized in an attached table (Attachment 3).

After removing the water impounded behind the temporary berm, some amount of mud and sediment remained near the E6 sump area. This mud was not solid enough to load out and haul away, so liquid is skimmed off from the mud surface with a vacuum truck to help facilitate the removal of the remaining mud material.

The remaining sediment will be excavated and hauled to a bermed area on the landfill so that it can dry. The attached figure shows the location where this sediment is being stored (Attachment 4). Each area is located within lined areas of the MSW portion of the landfill.

Samples of the sediment were collected to determine its ultimate use in the landfill. Results of those samples were compared to our solid waste permit requirements, and the soil has been approved for use as daily cover. The laboratory report from those samples is attached (Attachment 5). Some of the remaining sediment will be placed in several 20,000 gallon mobile storage tanks to attempt to separate the liquid phase from the sediment phase of the material. Any liquid removed through this process will be hauled via a third party hauling company to a County of Honolulu permitted wastewater treatment plant. This process will continue until all recoverable sediment and liquids are removed.

Attachment 1

Waimanalo Gulch Sanitary Landfill Storm Water Monitoring
13 January 2011 Discharge Event
Laboratory Final Data Summary Table

Method	Analyte	Unit	Screening Criteria [a]	Benchmark Level [b]	CULVERT
1664A	HEM (Oil and Grease)	mg/L	15	15	5.1
40CFR136A 625	Alpha-Terpineol	mg/L	0.016	NA	< 0.01
	Benzoic acid	mg/L	0.071	NA	< 0.05
	p-Cresol	mg/L	0.014	NA	< 0.01
	Pentchlorophenol	mg/L	0.02	NA	< 0.021 *
	Phenol	mg/L	0.015	1.0	< 0.01
EPA 200.7 Rev 4.4	Arsenic	mg/L	0.36	0.16854	< 0.015
	Cadmium	mg/L	0.003	0.0159	< 0.00045 *
	Calcium	mg/L	NA	NA	24
	Iron	mg/L	1.0	1.0	8.6
	Lead	mg/L	0.029	0.0816	0.0034 J
	Magnesium	mg/L	NA	0.0636	13
	Potassium	mg/L	NA	NA	7
	Selenium	mg/L	0.02	0.2385	0.0078 J
	Silver	mg/L	0.001	0.0318	< 0.00093 *
	Sodium	mg/L	NA	NA	73 B
	Zinc	mg/L	0.022	0.117	0.017 J
EPA 245.1	Mercury	mg/L	0.0024	0.0024	< 0.0002
EPA 7196	Hexavalent Chromium	µg/L	16	NA	< 10
EPA 365.1	Phosphorus, Total	mg/L	NA	2.0	0.38 B
MCAWW 350.1	Ammonia	mg/L	4.9	19	0.11
MCAWW 353.2	Nitrate-Nitrite as Nitroge	mg/L	NA	0.68	2.9
EPA Total Nitrogen	Nitrogen, Total	mg/L	NA	NA	4.8
EPA 405.1	BOD (5-Day)	mg/L	NA	30	8.91
MCAWW 410.4	Chemical Oxygen Deman	mg/L	NA	120	45
SM 2540D	Total Suspended Solids	mg/L	100	100	57
MCAWW 300.0A	Bromide	mg/L	NA	NA	0.73
	Chloride	mg/L	NA	860	95
	Sulfate	mg/L	NA	NA	45 B
SM 2320B	Bicarbonate Alkalinity	mg/L	NA	NA	77
	Carbonate Alkalinity	mg/L	NA	NA	< 5
	Total Alkalinity	mg/L	NA	NA	77
Bac-T	Total Coliform	MPN/100 mL	NA	NA	> 1,600
	E. coli	MPN/100 mL	NA	NA	< 2.0
Field Method	pH	SU	5.5-8.0	6.0-9.0	8.14

Note:

a	screening criteria are based on the requirements in the Waimanalo Gulch Storm Water Discharge Permit
b	benchmark levels are developed by EPA for storm water discharge
<	not detected above the reporting limits
>	greater than
*	not detected above the method detection limits
µg/L	micrograms per liter
mg/L	milligrams per liter
B	compound was found in the blanks (0.221 J mg/L for Sodium, 0.0115 J mg/L for Total Phosphorus; and 0.245 J mg/L for Sulfate)
BOD	biochemical oxygen demand
HEM	n-hexane extractable material
NA	no limitation at this time
J	estimated result is less than the reporting limit but greater than or equal to the method detection limit
SU	standard unit

Attachment 2

Waimanalo Gulch Sanitary Landfill
Stormwater from Behind Temporary Berm Below the E6 Cell
Pumping Log Summary

		Volume	
Date	**Waianae**	**Kailua**	**Total**
1/13/2011	0	0	0
1/14/2011	0	0	0
1/15/2011	0	0	0
1/16/2011	0	0	0
1/17/2011	0	0	0
1/18/2011	150,000	45,000	195,000
1/19/2011	150,000	72,000	222,000
1/20/2011	148,000	0	148,000
1/21/2011	136,000	79,000	215,000
1/22/2011	150,000	68,300	218,300
1/23/2011	132,000	11,000	143,000
1/24/2011	0	0	0
1/25/2011	0	21,867	21,867
1/26/2011	0	0	0
1/27/2011	0	0	0
1/28/2011	0	0	0
1/29/2011	0	0	0
1/30/2011	0	22,000	22,000
1/31/2011	0	16,500	16,500
2/1/2011	0	16,500	16,500
2/2/2011	0	22,000	22,000
2/3/2011	0	0	0
2/4/2011	0	0	0
2/5/2011	0	0	0
2/6/2011	0	0	0
2/7/2011	0	0	0
2/8/2011	0	0	0
2/9/2011	0	0	0
2/10/2011	0	11,000	11,000
2/11/2011	0	0	0
2/12/2011	0	28,318	28,318
2/13/2011	0	21,000	21,000
2/14/2011	0	14,159	14,159
2/15/2011	0	70,005	70,005
2/16/2011	0	48,430	48,430
2/17/2011	0	50,034	50,034
2/18/2011	0	34,000	34,000
2/19/2011	0	0	0
2/20/2011	0	0	0
2/21/2011	0	0	0
2/22/2011	0	0	0
2/23/2011	0	0	0
Total	**866,000**	**651,113**	**1,517,113**

Attachment 3

Waimanalo Gulch Sanitary Landfill Sediment Pond Water Sample

Collected on 2/2/2011

Laboratory Final Data Summary Table

Method	Analyte	Unit	Screening Criteria [a]	Benchmark Level [b]	SED POND
1664A	HEM (Oil and Grease)	mg/L	15	15	2 J
40CFR136A 625	Alpha-Terpineol	mg/L	0.016	NA	< 0.01
	Benzoic acid	mg/L	0.071	NA	< 0.05
	p-Cresol	mg/L	0.014	NA	< 0.01
	Pentchlorophenol	mg/L	0.02	NA	< 0.021 *
	Phenol	mg/L	0.015	1	< 0.01
EPA 200.7 Rev 4.4	Arsenic	mg/L	0.36	0.16854	0.0057 J
	Cadmium	mg/L	0.003	0.0159	< 0.005
	Calcium	mg/L	NA	NA	48
	Iron	mg/L	1	1	4.6
	Lead	mg/L	0.029	0.0816	< 0.009
	Magnesium	mg/L	NA	0.0636	25
	Potassium	mg/L	NA	NA	5.8
	Selenium	mg/L	0.02	0.2385	< 0.015
	Silver	mg/L	0.001	0.0318	< 0.00093 *
	Sodium	mg/L	NA	NA	110
	Zinc	mg/L	0.022	0.117	0.019 J
EPA 245.1	Mercury	mg/L	0.0024	0.0024	0.000055 J
EPA 7196	Hexavalent Chromium	µg/L	16	NA	< 10
EPA 365.1	Phosphorus, Total	mg/L	NA	2	0.21
MCAWW 350.1	Ammonia	mg/L	4.9	19	0.3 B
MCAWW 353.2	Nitrate-Nitrite as Nitrogen	mg/L	NA	0.68	0.072 J
EPA Total Nitrogen	Nitrogen, Total	mg/L	NA	NA	1.9
EPA 405.1	BOD (5-Day)	mg/L	NA	30	4.18
MCAWW 410.4	Chemical Oxygen Demand	mg/L	NA	120	36
SM 2540D	Total Suspended Solids	mg/L	100	100	26
MCAWW 300.0A	Bromide	mg/L	NA	NA	0.85
	Chloride	mg/L	NA	860	120
	Sulfate	mg/L	NA	NA	110
SM 2320B	Bicarbonate Alkalinity	mg/L	NA	NA	170
	Carbonate Alkalinity	mg/L	NA	NA	4.7 J
	Total Alkalinity	mg/L	NA	NA	170
Bac-T	Total Coliform	MPN/100 mL	NA	NA	170
	E. coli	MPN/100 mL	NA	NA	< 2.0
Field Method	pH	SU	5.5-8.0	6.0-9.0	7.22

Note:

a	screening criteria are based on the requirements in the Waimanalo Gulch Storm Water Discharge Permit
b	benchmark levels are developed by EPA for storm water discharge
Bold	exceed screening criteria
<	not detected above the reporting limits
*	not detected above the method detection limits
µg/L	micrograms per liter
mg/L	milligrams per liter
B	compound was found in the method blank (0.0241 J mg/L for Ammonia)
BOD	biochemical oxygen demand
HEM	n-hexane extractable material
MPN	most probable number
NA	no limitation at this time
J	estimated result is less than the reporting limit but greater than or equal to the method detection limit
SU	standard unit

Attachment 4

PROPERTY LINE

WESTERN TOE BERM

NEW MSW SUMP (EXPANSION)

NEW ASH SUMP (EXPANSION)

NEW MSW SUMP (EXPANSION)

EXISTING ASH SUMP

ASH CELL 8

ASH CELL 7

ASH CELL 6

ASH CELL 5

ASH CELL 1

ASH CELL 2

ASH CELL 3

ASH CELL 4

MSW CELL 5

MSW CELL 6

MSW CELL 7

MSW CELL 8

MSW CELL 9

MSW CELL 10

MSW CELL 11

MSW CELL 4B

MSW CELL 1

MSW CELL 2

MSW CELL 3

MSW CELL 4A

MSW CELL 4C

EXISTING MSW SUMP

EXISTING E-CELL SUMP

E1

E2

E3

E4

E5

E6

E7

E8

E9

EXPANSION LANDFILL FOOTPRINT (36.9 ACRES)

LINED AND BERMED AREAS FOR SEDIMENT DRYING

LEGEND

SUMP LOCATION

200 100 0 200 400

SCALE IN FEET

P:\CADD\Land Projects 3\WM\Waimanalo\dwg\Closure Post Closure Figures-2010\CPCMP-Figure6_v2.dwg 9-28-10 12:59:49 PM Skhalameyzer

Geosyntec consultants

EXPANSION CELLS WAIMANALO GULCH LANDFILL EWA BEACH, OAHU, HAWAII	FIGURE NO. 6 PROJECT NO. WL0770 DATE: SEPTEMBER 2010

Attachment 5

ANALYTICAL REPORT

Job Number: 280-12120-1

Job Description: 995|Waimanalo Gulch LF

For:
Waste Management
Waimanalo Gulch Landfill
92-460 Farrington Highway
Kapolei, HI 96707

Attention: Mr. Justin Lottig

Approved for release.
Betsy A Sara
Project Manager II
2/16/2011 1:05 PM

Betsy A Sara
Project Manager II
betsy.sara@testamericainc.com
02/16/2011

cc: Mr. John Fong
Mr. Pete LaPlaca

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE

Client: Waste Management

Project: 995|Waimanalo Gulch LF

Report Number: 280-12120-1

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

This report may include reporting limits (RLs) less than TestAmerica's standard reporting limit. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Sample Receiving

The samples were received on 02/02/2011; the samples arrived properly preserved and on ice. The temperatures of the coolers at receipt were 0.6C and 4.0C.

One of the four 8oz jars for the sample SPE was broken in transit, however sufficient sample remained for all requested analyses. The client was notified.

TCLP Chromium was requested for the sample DP by the client on 02/11/11.

Holding Times

All holding times were met.

Method Blanks

Acetone Method 8260B, Gasoline Range Organics (GRO) Method 8015B and Total Zinc Method 6010B were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.

All other Method Blanks were within established control limits.

Laboratory Control Samples (LCS)

All Laboratory Control Samples were within established control limits.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

Sample DP was selected to fulfill the laboratory batch quality control requirements for Method 8015B. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Gasoline Range Organics (GRO) and a,a,a-Trifluorotoluene (surrogate) below the lower control limits indicating the possible presence of a matrix interference.

Sample DP was selected to fulfill the laboratory batch quality control requirements for Method 8081A. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of multiple compounds below the lower control limits indicating the possible presence of a matrix interference.

Sample NPE was selected to fulfill the laboratory batch quality control requirements for Method 8082. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of PCB-1016 above the upper control limit indicating the possible presence of a matrix interference.

Sample DP was selected to fulfill the laboratory batch quality control requirements for Method 6010B. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Antinomy, Total Lead, Total Molybdenum, Total Zinc and Total Selenium below the lower control limits indicating the possible presence of a matrix interference.

All other MS and MSD samples were within established control limits.

Organics

The Method 8260B surrogate recoveries of Toluene-d8, 4-Bromofluorobenzene and Dibromofluoromethane were below control limits in the analysis of sample SPE. Because all terracores were consumed, reanalysis could not be performed.

The Method 8015B (GRO) surrogate recovery of a,a,a-Trifluorotoluene was below control limits in the analysis of sample SPE. Because the chromatograms exhibited clear evidence of matrix interference and all other quality control samples met acceptance criteria, corrective action was deemed unnecessary.

The Method 8081A reporting limits for the sample DP are elevated due to high concentration of target analytes.

The Method 8081A RPD between the primary and confirmation columns exceeded 40% for the Method 8081A target compound alpha-BHC during the analysis of the sample SPW. Because matrix evident was evident, the lower of the two values was reported and the result was flagged with “p”.

The Continuing Calibration Verification (CCV) standard for Methoxychlor, 4,4’-DDT, Endrin and Beta-BHC by Method 8081A was outside the percent difference limits. However, the overall mean percent difference is within control limits, therefore, the CCV is also in control and no corrective action was necessary.

The sample NPE appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration. The sample has been quantified and reported as Aroclor 1260. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

The samples DP, NPE, NPW, SPE and SPW required a sulfuric acid clean-up to reduce matrix interferences during Method 8082 analysis.

The samples DP, NPE, NPW, SPE and SPW required a mercury clean-up to reduce matrix interferences caused by sulfur during Method 8082 analysis.

The Continuing Calibration Verification (CCV) standard for Dinoseb and DCAA (surrogate) by Method 8151A was outside the percent difference limits. However, the overall mean percent difference is within control limits, therefore, the CCV is also in control and no corrective action was necessary.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-12120-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-12120-1FD	**DP**					
Acetone		720	J B	1000	ug/Kg	8260B
Gasoline Range Organics (GRO)-C6-C10		1.7	B	1.2	mg/Kg	8015B
Diesel Range Organics [C10-C28]		36		4.0	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		230		12	mg/Kg	8015B
Aldrin		27		3.8	ug/Kg	8081A
alpha-BHC		27		3.3	ug/Kg	8081A
beta-BHC		21		10	ug/Kg	8081A
Chlordane (n.o.s.)		200		3.3	ug/Kg	8081A
4,4'-DDD		20		8.4	ug/Kg	8081A
4,4'-DDE		28		3.6	ug/Kg	8081A
4,4'-DDT		23		9.0	ug/Kg	8081A
delta-BHC		28	B	6.1	ug/Kg	8081A
Dieldrin		53		3.2	ug/Kg	8081A
Endosulfan I		20		2.7	ug/Kg	8081A
Endosulfan II		22		4.4	ug/Kg	8081A
Endosulfan sulfate		23		4.2	ug/Kg	8081A
Endosulfan, Total		66		4.2	ug/Kg	8081A
Endrin		20		4.7	ug/Kg	8081A
Endrin aldehyde		19		2.6	ug/Kg	8081A
gamma-BHC (Lindane)		25		7.1	ug/Kg	8081A
Heptachlor		25		3.3	ug/Kg	8081A
Heptachlor epoxide		31		6.5	ug/Kg	8081A
Methoxychlor		21		6.9	ug/Kg	8081A
Technical Chlordane		490		120	ug/Kg	8081A
PCB-1260		66		33	ug/Kg	8082
Polychlorinated biphenyls, Total		66		33	ug/Kg	8082
Antimony		3.0		1.5	mg/Kg	6010B
Arsenic		4.4		1.9	mg/Kg	6010B
Barium		140		1.0	mg/Kg	6010B
Beryllium		0.53		0.50	mg/Kg	6010B
Boron		11		10	mg/Kg	6010B
Cadmium		1.2		0.50	mg/Kg	6010B
Chromium		100		1.5	mg/Kg	6010B
Cobalt		35		1.0	mg/Kg	6010B
Copper		97		2.0	mg/Kg	6010B
Lead		69		0.80	mg/Kg	6010B
Molybdenum		0.45	J	2.0	mg/Kg	6010B
Nickel		120		4.0	mg/Kg	6010B
Silver		0.58	J	1.0	mg/Kg	6010B
Vanadium		120		2.0	mg/Kg	6010B
Zinc		260	B	3.0	mg/Kg	6010B
Mercury		260		17	ug/Kg	7471A
Percent Moisture		36		0.10	%	Moisture
TCLP						
Chromium		0.0061	J	0.50	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-12120-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-12120-2	**NPE**					
Gasoline Range Organics (GRO)-C6-C10		1.5	B	1.2	mg/Kg	8015B
Diesel Range Organics [C10-C28]		6.0		4.0	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		34		12	mg/Kg	8015B
Chlordane (n.o.s.)		2.5		1.7	ug/Kg	8081A
Dieldrin		0.79	J	1.7	ug/Kg	8081A
Antimony		0.49	J	1.5	mg/Kg	6010B
Barium		85		1.0	mg/Kg	6010B
Beryllium		0.52		0.50	mg/Kg	6010B
Boron		4.3	J	10	mg/Kg	6010B
Cadmium		0.15	J	0.50	mg/Kg	6010B
Chromium		58		1.5	mg/Kg	6010B
Cobalt		33		1.0	mg/Kg	6010B
Copper		40		2.0	mg/Kg	6010B
Lead		4.0		0.80	mg/Kg	6010B
Nickel		87		4.0	mg/Kg	6010B
Vanadium		100		2.0	mg/Kg	6010B
Zinc		79	B	3.0	mg/Kg	6010B
Mercury		47		17	ug/Kg	7471A
Percent Moisture		34		0.10	%	Moisture
280-12120-3	**NPW**					
Acetone		1100	B	1000	ug/Kg	8260B
Gasoline Range Organics (GRO)-C6-C10		0.85	J B	1.2	mg/Kg	8015B
Diesel Range Organics [C10-C28]		5.2		4.0	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		25		12	mg/Kg	8015B
Chlordane (n.o.s.)		3.1		1.7	ug/Kg	8081A
Dieldrin		0.46	J	1.7	ug/Kg	8081A
Barium		83		1.0	mg/Kg	6010B
Beryllium		0.65		0.50	mg/Kg	6010B
Boron		4.1	J	10	mg/Kg	6010B
Cadmium		0.12	J	0.50	mg/Kg	6010B
Chromium		51		1.5	mg/Kg	6010B
Cobalt		31		1.0	mg/Kg	6010B
Copper		36		2.0	mg/Kg	6010B
Lead		4.0		0.80	mg/Kg	6010B
Nickel		79		4.0	mg/Kg	6010B
Vanadium		91		2.0	mg/Kg	6010B
Zinc		73	B	3.0	mg/Kg	6010B
Mercury		44		17	ug/Kg	7471A
Percent Moisture		37		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-12120-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-12120-4	**SPE**					
Gasoline Range Organics (GRO)-C6-C10		1.3	B	1.2	mg/Kg	8015B
Diesel Range Organics [C10-C28]		6.3		4.0	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		33		12	mg/Kg	8015B
Chlordane (n.o.s.)		4.1		1.7	ug/Kg	8081A
Dieldrin		1.1	J	1.7	ug/Kg	8081A
Barium		87		1.0	mg/Kg	6010B
Beryllium		1.1		0.50	mg/Kg	6010B
Boron		6.6	J	10	mg/Kg	6010B
Cadmium		0.18	J	0.50	mg/Kg	6010B
Chromium		54		1.5	mg/Kg	6010B
Cobalt		32		1.0	mg/Kg	6010B
Copper		42		2.0	mg/Kg	6010B
Lead		5.7		0.80	mg/Kg	6010B
Nickel		84		4.0	mg/Kg	6010B
Vanadium		82		2.0	mg/Kg	6010B
Zinc		84	B	3.0	mg/Kg	6010B
Mercury		51		17	ug/Kg	7471A
Percent Moisture		63		0.10	%	Moisture
280-12120-5	**SPW**					
Gasoline Range Organics (GRO)-C6-C10		0.72	J B	1.2	mg/Kg	8015B
Diesel Range Organics [C10-C28]		5.6		4.0	mg/Kg	8015B
Motor Oil Range Organics [C24-C36]		20		12	mg/Kg	8015B
alpha-BHC		0.33	J p	1.7	ug/Kg	8081A
Chlordane (n.o.s.)		3.5		1.7	ug/Kg	8081A
Dieldrin		0.81	J	1.7	ug/Kg	8081A
Antimony		0.53	J	1.5	mg/Kg	6010B
Barium		74		1.0	mg/Kg	6010B
Beryllium		0.72		0.50	mg/Kg	6010B
Boron		4.0	J	10	mg/Kg	6010B
Cadmium		0.13	J	0.50	mg/Kg	6010B
Chromium		48		1.5	mg/Kg	6010B
Cobalt		28		1.0	mg/Kg	6010B
Copper		36		2.0	mg/Kg	6010B
Lead		3.9		0.80	mg/Kg	6010B
Nickel		75		4.0	mg/Kg	6010B
Vanadium		82		2.0	mg/Kg	6010B
Zinc		70	B	3.0	mg/Kg	6010B
Mercury		37		17	ug/Kg	7471A
Percent Moisture		35		0.10	%	Moisture

METHOD SUMMARY

Client: Waste Management

Job Number: 280-12120-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Closed System Purge and Trap	TAL DEN		SW846 5035
Gasoline Range Organics - (GC)	TAL DEN	SW846 8015B	
Purge and Trap	TAL DEN		SW846 5030B
Diesel Range Organics (DRO) (GC)	TAL DEN	SW846 8015B	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081A	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL DEN	SW846 8082	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Herbicides (GC)	TAL DEN	SW846 8151A	
Extraction (Herbicides)	TAL DEN		SW846 8151A
Metals (ICP)	TAL DEN	SW846 6010B	
Preparation, Metals	TAL DEN		SW846 3050B
Metals (ICP)	TAL DEN	SW846 6010B	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Total Metals	TAL DEN		SW846 3010A
Mercury (CVAA)	TAL DEN	SW846 7471A	
Preparation, Mercury	TAL DEN		SW846 7471A
Percent Moisture	TAL DEN	EPA Moisture	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Waste Management

Job Number: 280-12120-1

Method	Analyst	Analyst ID
SW846 8260B	Ilczyszyn, Dennis P	DPI
SW846 8015B	Gaskill, Daniel B	DBG
SW846 8015B	Birdsell, Matthew R	MRB
SW846 8081A	Ream, Brian E	BER
SW846 8082	Pavlakovich, Adam M	AMP
SW846 8151A	Wells, David	DW
SW846 6010B	Bowen, Heidi E	HEB
SW846 7471A	Stoltz, Katie	KS
EPA Moisture	Berry III, Paul B	PBB

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-12120-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-12120-1FD	DP	Solid	01/28/2011 1107	02/02/2011 1015
280-12120-2	NPE	Solid	01/28/2011 1230	02/02/2011 1015
280-12120-3	NPW	Solid	01/28/2011 1235	02/02/2011 1015
280-12120-4	SPE	Solid	01/28/2011 1150	02/02/2011 1015
280-12120-5	SPW	Solid	01/28/2011 1155	02/02/2011 1015

SAMPLE RESULTS

Client: Waste Management | Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD | Date Sampled: 01/28/2011 1107
Client Matrix: Solid | % Moisture: 36.0 | Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0937.D
Dilution:	1.0			Initial Weight/Volume:	5.482 g
Date Analyzed:	02/04/2011 2220			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		720	J B	570	1000
Acrylonitrile		ND		370	5000
Benzene		ND		64	250
Chlorobromomethane		ND		67	250
Bromodichloromethane		ND		56	250
Bromoform		ND		41	250
Bromomethane		ND		67	500
2-Butanone (MEK)		ND		420	1000
tert-Butyl alcohol		ND		2100	10000
Carbon disulfide		ND		91	250
Carbon tetrachloride		ND		24	250
Chlorobenzene		ND		43	250
Dibromochloromethane		ND		47	250
Chloroethane		ND		63	500
Chloroform		ND		66	250
Chloromethane		ND		71	500
1,2-Dibromo-3-Chloropropane		ND		120	500
Dibromomethane		ND		43	250
1,2-Dichlorobenzene		ND		130	250
1,3-Dichlorobenzene		ND		58	250
1,4-Dichlorobenzene		ND		36	250
trans-1,4-Dichloro-2-butene		ND		74	250
1,1-Dichloroethane		ND		72	250
1,2-Dichloroethane		ND		36	250
cis-1,2-Dichloroethene		ND		31	120
trans-1,2-Dichloroethene		ND		64	120
1,1-Dichloroethene		ND		72	250
1,2-Dichloropropane		ND		66	250
cis-1,3-Dichloropropene		ND		38	250
trans-1,3-Dichloropropene		ND		59	250
1,3-Dichloropropene, Total		ND		38	250
Ethylbenzene		ND		48	250
2-Hexanone		ND		310	1000
Iodomethane		ND		30	250
Methylene Chloride		ND		98	250
4-Methyl-2-pentanone (MIBK)		ND		320	1000
Methyl tert-butyl ether		ND		71	250
Naphthalene		ND		54	500
Styrene		ND		37	250
1,1,1,2-Tetrachloroethane		ND		30	250
1,1,2,2-Tetrachloroethane		ND		41	250
Tetrachloroethene		ND		38	250
Toluene		ND		56	250
1,1,1-Trichloroethane		ND		29	250
1,1,2-Trichloroethane		ND		38	250
Trichloroethene		ND		33	250

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0937.D
Dilution:	1.0			Initial Weight/Volume:	5.482 g
Date Analyzed:	02/04/2011 2220			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichlorofluoromethane		ND		71	500
1,2,3-Trichloropropane		ND		67	250
Vinyl acetate		ND		100	500
Vinyl chloride		ND		38	500
Xylenes, Total		ND		50	250
1,2-Dibromoethane		ND		36	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82		50 - 139
Toluene-d8 (Surr)	68		68 - 143
4-Bromofluorobenzene (Surr)	70		62 - 133
Dibromofluoromethane (Surr)	72		60 - 133

Client: Waste Management | Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2 | Date Sampled: 01/28/2011 1230
Client Matrix: Solid | % Moisture: 34.3 | Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0938.D
Dilution:	1.0			Initial Weight/Volume:	4.989 g
Date Analyzed:	02/04/2011 2240			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		610	1000
Acrylonitrile		ND		400	5000
Benzene		ND		69	250
Chlorobromomethane		ND		72	250
Bromodichloromethane		ND		60	250
Bromoform		ND		44	250
Bromomethane		ND		72	500
2-Butanone (MEK)		ND		450	1000
tert-Butyl alcohol		ND		2300	10000
Carbon disulfide		ND		98	250
Carbon tetrachloride		ND		26	250
Chlorobenzene		ND		46	250
Dibromochloromethane		ND		50	250
Chloroethane		ND		67	500
Chloroform		ND		70	250
Chloromethane		ND		76	500
1,2-Dibromo-3-Chloropropane		ND		130	500
Dibromomethane		ND		46	250
1,2-Dichlorobenzene		ND		140	250
1,3-Dichlorobenzene		ND		62	250
1,4-Dichlorobenzene		ND		38	250
trans-1,4-Dichloro-2-butene		ND		79	250
1,1-Dichloroethane		ND		77	250
1,2-Dichloroethane		ND		38	250
cis-1,2-Dichloroethene		ND		34	120
trans-1,2-Dichloroethene		ND		68	120
1,1-Dichloroethene		ND		77	250
1,2-Dichloropropane		ND		70	250
cis-1,3-Dichloropropene		ND		41	250
trans-1,3-Dichloropropene		ND		63	250
1,3-Dichloropropene, Total		ND		41	250
Ethylbenzene		ND		52	250
2-Hexanone		ND		330	1000
Iodomethane		ND		32	250
Methylene Chloride		ND		110	250
4-Methyl-2-pentanone (MIBK)		ND		340	1000
Methyl tert-butyl ether		ND		76	250
Naphthalene		ND		58	500
Styrene		ND		40	250
1,1,1,2-Tetrachloroethane		ND		32	250
1,1,2,2-Tetrachloroethane		ND		44	250
Tetrachloroethene		ND		41	250
Toluene		ND		59	250
1,1,1-Trichloroethane		ND		30	250
1,1,2-Trichloroethane		ND		41	250
Trichloroethene		ND		35	250

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

% Moisture: 34.3

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0938.D
Dilution:	1.0			Initial Weight/Volume:	4.989 g
Date Analyzed:	02/04/2011 2240			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichlorofluoromethane		ND		76	500
1,2,3-Trichloropropane		ND		72	250
Vinyl acetate		ND		110	500
Vinyl chloride		ND		41	500
Xylenes, Total		ND		53	250
1,2-Dibromoethane		ND		38	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		50 - 139
Toluene-d8 (Surr)	75		68 - 143
4-Bromofluorobenzene (Surr)	79		62 - 133
Dibromofluoromethane (Surr)	79		60 - 133

Client: Waste Management | Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3 | Date Sampled: 01/28/2011 1235
Client Matrix: Solid | % Moisture: 37.4 | Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0939.D
Dilution:	1.0			Initial Weight/Volume:	4.344 g
Date Analyzed:	02/04/2011 2259			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1100	B	740	1000
Acrylonitrile		ND		480	5000
Benzene		ND		83	250
Chlorobromomethane		ND		87	250
Bromodichloromethane		ND		73	250
Bromoform		ND		53	250
Bromomethane		ND		87	500
2-Butanone (MEK)		ND		540	1000
tert-Butyl alcohol		ND		2800	10000
Carbon disulfide		ND		120	250
Carbon tetrachloride		ND		31	250
Chlorobenzene		ND		55	250
Dibromochloromethane		ND		61	250
Chloroethane		ND		81	500
Chloroform		ND		85	250
Chloromethane		ND		92	500
1,2-Dibromo-3-Chloropropane		ND		160	500
Dibromomethane		ND		55	250
1,2-Dichlorobenzene		ND		170	250
1,3-Dichlorobenzene		ND		75	250
1,4-Dichlorobenzene		ND		46	250
trans-1,4-Dichloro-2-butene		ND		96	250
1,1-Dichloroethane		ND		93	250
1,2-Dichloroethane		ND		46	250
cis-1,2-Dichloroethene		ND		40	120
trans-1,2-Dichloroethene		ND		82	120
1,1-Dichloroethene		ND		93	250
1,2-Dichloropropane		ND		85	250
cis-1,3-Dichloropropene		ND		50	250
trans-1,3-Dichloropropene		ND		76	250
1,3-Dichloropropene, Total		ND		50	250
Ethylbenzene		ND		63	250
2-Hexanone		ND		400	1000
Iodomethane		ND		39	250
Methylene Chloride		ND		130	250
4-Methyl-2-pentanone (MIBK)		ND		410	1000
Methyl tert-butyl ether		ND		92	250
Naphthalene		ND		70	500
Styrene		ND		48	250
1,1,1,2-Tetrachloroethane		ND		39	250
1,1,2,2-Tetrachloroethane		ND		53	250
Tetrachloroethene		ND		50	250
Toluene		ND		72	250
1,1,1-Trichloroethane		ND		37	250
1,1,2-Trichloroethane		ND		50	250
Trichloroethene		ND		42	250

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3

Client Matrix: Solid

% Moisture: 37.4

Date Sampled: 01/28/2011 1235

Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0939.D
Dilution:	1.0			Initial Weight/Volume:	4.344 g
Date Analyzed:	02/04/2011 2259			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichlorofluoromethane		ND		92	500
1,2,3-Trichloropropane		ND		86	250
Vinyl acetate		ND		130	500
Vinyl chloride		ND		50	500
Xylenes, Total		ND		64	250
1,2-Dibromoethane		ND		46	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		50 - 139
Toluene-d8 (Surr)	77		68 - 143
4-Bromofluorobenzene (Surr)	78		62 - 133
Dibromofluoromethane (Surr)	82		60 - 133

Client: Waste Management | Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4 | Date Sampled: 01/28/2011 1150
Client Matrix: Solid | % Moisture: 63.0 | Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0940.D
Dilution:	1.0			Initial Weight/Volume:	4.749 g
Date Analyzed:	02/04/2011 2318			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		1100	1100
Acrylonitrile		ND		740	5000
Benzene		ND		130	250
Chlorobromomethane		ND		130	250
Bromodichloromethane		ND		110	250
Bromoform		ND		82	250
Bromomethane		ND		130	500
2-Butanone (MEK)		ND		840	1000
tert-Butyl alcohol		ND		4300	10000
Carbon disulfide		ND		180	250
Carbon tetrachloride		ND		48	250
Chlorobenzene		ND		85	250
Dibromochloromethane		ND		94	250
Chloroethane		ND		130	500
Chloroform		ND		130	250
Chloromethane		ND		140	500
1,2-Dibromo-3-Chloropropane		ND		240	500
Dibromomethane		ND		85	250
1,2-Dichlorobenzene		ND		270	270
1,3-Dichlorobenzene		ND		120	250
1,4-Dichlorobenzene		ND		71	250
trans-1,4-Dichloro-2-butene		ND		150	250
1,1-Dichloroethane		ND		140	250
1,2-Dichloroethane		ND		71	250
cis-1,2-Dichloroethene		ND		63	120
trans-1,2-Dichloroethene		ND		130	130
1,1-Dichloroethene		ND		140	250
1,2-Dichloropropane		ND		130	250
cis-1,3-Dichloropropene		ND		77	250
trans-1,3-Dichloropropene		ND		120	250
1,3-Dichloropropene, Total		ND		77	250
Ethylbenzene		ND		97	250
2-Hexanone		ND		620	1000
Iodomethane		ND		60	250
Methylene Chloride		ND		200	250
4-Methyl-2-pentanone (MIBK)		ND		640	1000
Methyl tert-butyl ether		ND		140	250
Naphthalene		ND		110	500
Styrene		ND		74	250
1,1,1,2-Tetrachloroethane		ND		60	250
1,1,2,2-Tetrachloroethane		ND		82	250
Tetrachloroethene		ND		77	250
Toluene		ND		110	250
1,1,1-Trichloroethane		ND		57	250
1,1,2-Trichloroethane		ND		77	250
Trichloroethene		ND		65	250

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4

Client Matrix: Solid

% Moisture: 63.0

Date Sampled: 01/28/2011 1150

Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0940.D
Dilution:	1.0			Initial Weight/Volume:	4.749 g
Date Analyzed:	02/04/2011 2318			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichlorofluoromethane		ND		140	500
1,2,3-Trichloropropane		ND		130	250
Vinyl acetate		ND		200	500
Vinyl chloride		ND		77	500
Xylenes, Total		ND		100	250
1,2-Dibromoethane		ND		71	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	66		50 - 139
Toluene-d8 (Surr)	53	X	68 - 143
4-Bromofluorobenzene (Surr)	55	X	62 - 133
Dibromofluoromethane (Surr)	57	X	60 - 133

Client: Waste Management | Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5 | Date Sampled: 01/28/2011 1155
Client Matrix: Solid | % Moisture: 34.6 | Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0941.D
Dilution:	1.0			Initial Weight/Volume:	5.053 g
Date Analyzed:	02/04/2011 2337			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		ND		610	1000
Acrylonitrile		ND		390	5000
Benzene		ND		68	250
Chlorobromomethane		ND		71	250
Bromodichloromethane		ND		60	250
Bromoform		ND		44	250
Bromomethane		ND		71	500
2-Butanone (MEK)		ND		450	1000
tert-Butyl alcohol		ND		2300	10000
Carbon disulfide		ND		97	250
Carbon tetrachloride		ND		26	250
Chlorobenzene		ND		45	250
Dibromochloromethane		ND		50	250
Chloroethane		ND		67	500
Chloroform		ND		70	250
Chloromethane		ND		76	500
1,2-Dibromo-3-Chloropropane		ND		130	500
Dibromomethane		ND		45	250
1,2-Dichlorobenzene		ND		140	250
1,3-Dichlorobenzene		ND		62	250
1,4-Dichlorobenzene		ND		38	250
trans-1,4-Dichloro-2-butene		ND		79	250
1,1-Dichloroethane		ND		76	250
1,2-Dichloroethane		ND		38	250
cis-1,2-Dichloroethene		ND		33	120
trans-1,2-Dichloroethene		ND		68	120
1,1-Dichloroethene		ND		76	250
1,2-Dichloropropane		ND		70	250
cis-1,3-Dichloropropene		ND		41	250
trans-1,3-Dichloropropene		ND		63	250
1,3-Dichloropropene, Total		ND		41	250
Ethylbenzene		ND		51	250
2-Hexanone		ND		330	1000
Iodomethane		ND		32	250
Methylene Chloride		ND		100	250
4-Methyl-2-pentanone (MIBK)		ND		340	1000
Methyl tert-butyl ether		ND		76	250
Naphthalene		ND		58	500
Styrene		ND		39	250
1,1,1,2-Tetrachloroethane		ND		32	250
1,1,2,2-Tetrachloroethane		ND		44	250
Tetrachloroethene		ND		41	250
Toluene		ND		59	250
1,1,1-Trichloroethane		ND		30	250
1,1,2-Trichloroethane		ND		41	250
Trichloroethene		ND		35	250

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

% Moisture: 34.6

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 280-51993		Instrument ID:	MSV_G2
Preparation:	5035	Prep Batch: 280-51744		Lab File ID:	g2_0941.D
Dilution:	1.0			Initial Weight/Volume:	5.053 g
Date Analyzed:	02/04/2011 2337			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Trichlorofluoromethane		ND		76	500
1,2,3-Trichloropropane		ND		71	250
Vinyl acetate		ND		110	500
Vinyl chloride		ND		41	500
Xylenes, Total		ND		53	250
1,2-Dibromoethane		ND		38	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		50 - 139
Toluene-d8 (Surr)	80		68 - 143
4-Bromofluorobenzene (Surr)	79		62 - 133
Dibromofluoromethane (Surr)	85		60 - 133

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 280-52031		Instrument ID:	GCV_B
Preparation:	5030B	Prep Batch: 280-51540		Initial Weight/Volume:	10.28 g
Dilution:	1.0			Final Weight/Volume:	500 mL
Date Analyzed:	02/04/2011 1620			Injection Volume:	5 mL
Date Prepared:	02/02/2011 1418			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10		1.7	B	0.49	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	81		77 - 123

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

% Moisture: 34.3

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 280-52031		Instrument ID:	GCV_B
Preparation:	5030B	Prep Batch: 280-51540		Initial Weight/Volume:	10.19 g
Dilution:	1.0			Final Weight/Volume:	500 mL
Date Analyzed:	02/04/2011 1758			Injection Volume:	5 mL
Date Prepared:	02/02/2011 1418			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10		1.5	B	0.49	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	80		77 - 123

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3

Client Matrix: Solid

% Moisture: 37.4

Date Sampled: 01/28/2011 1235

Date Received: 02/02/2011 1015

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 280-52031		Instrument ID:	GCV_B
Preparation:	5030B	Prep Batch: 280-51540		Initial Weight/Volume:	10.45 g
Dilution:	1.0			Final Weight/Volume:	500 mL
Date Analyzed:	02/04/2011 1903			Injection Volume:	5 mL
Date Prepared:	02/02/2011 1418			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10		0.85	J B	0.50	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	79		77 - 123

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4

Client Matrix: Solid

% Moisture: 63.0

Date Sampled: 01/28/2011 1150

Date Received: 02/02/2011 1015

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 280-52031		Instrument ID:	GCV_B
Preparation:	5030B	Prep Batch: 280-51540		Initial Weight/Volume:	10.00 g
Dilution:	1.0			Final Weight/Volume:	500 mL
Date Analyzed:	02/04/2011 1936			Injection Volume:	5 mL
Date Prepared:	02/02/2011 1418			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10		1.3	B	0.88	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	66	X	77 - 123

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

% Moisture: 34.6

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 280-52031		Instrument ID:	GCV_B
Preparation:	5030B	Prep Batch: 280-51540		Initial Weight/Volume:	10.37 g
Dilution:	1.0			Final Weight/Volume:	500 mL
Date Analyzed:	02/04/2011 2008			Injection Volume:	5 mL
Date Prepared:	02/02/2011 1418			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Gasoline Range Organics (GRO)-C6-C10		0.72	J B	0.48	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	78		77 - 123

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 280-52414		Instrument ID:	GCS_U2
Preparation:	3550C	Prep Batch: 280-51572		Initial Weight/Volume:	32.1 g
Dilution:	1.0			Final Weight/Volume:	1000 uL
Date Analyzed:	02/08/2011 1208			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1650			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]		36		0.99	4.0
Motor Oil Range Organics [C24-C36]		230		5.7	12

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	85		49 - 115
n-Octacosane	131		25 - 162

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

% Moisture: 34.3

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 280-52414		Instrument ID:	GCS_U2
Preparation:	3550C	Prep Batch: 280-51572		Initial Weight/Volume:	33.0 g
Dilution:	1.0			Final Weight/Volume:	1000 uL
Date Analyzed:	02/08/2011 1244			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1650			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]		6.0		0.94	4.0
Motor Oil Range Organics [C24-C36]		34		5.4	12

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	93		49 - 115
n-Octacosane	95		25 - 162

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3

Client Matrix: Solid

% Moisture: 37.4

Date Sampled: 01/28/2011 1235

Date Received: 02/02/2011 1015

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 280-52414		Instrument ID:	GCS_U2
Preparation:	3550C	Prep Batch: 280-51572		Initial Weight/Volume:	32.6 g
Dilution:	1.0			Final Weight/Volume:	1000 uL
Date Analyzed:	02/08/2011 1320			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1650			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]		5.2		1.0	4.0
Motor Oil Range Organics [C24-C36]		25		5.8	12

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	86		49 - 115
n-Octacosane	88		25 - 162

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4

Client Matrix: Solid

% Moisture: 63.0

Date Sampled: 01/28/2011 1150

Date Received: 02/02/2011 1015

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 280-52414		Instrument ID:	GCS_U2
Preparation:	3550C	Prep Batch: 280-51572		Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	1000 uL
Date Analyzed:	02/08/2011 1355			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1650			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]		6.3		1.7	4.0
Motor Oil Range Organics [C24-C36]		33		10	12

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	90		49 - 115
n-Octacosane	92		25 - 162

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

% Moisture: 34.6

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

8015B Diesel Range Organics (DRO) (GC)

Method:	8015B	Analysis Batch: 280-52414		Instrument ID:	GCS_U2
Preparation:	3550C	Prep Batch: 280-51572		Initial Weight/Volume:	30.5 g
Dilution:	1.0			Final Weight/Volume:	1000 uL
Date Analyzed:	02/08/2011 1540			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1650			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]		5.6		1.0	4.0
Motor Oil Range Organics [C24-C36]		20		5.9	12

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	88		49 - 115
n-Octacosane	89		25 - 162

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 280-51905		Instrument ID:	GCS_P2
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	30.6 g
Dilution:	10			Final Weight/Volume:	10000 uL
Date Analyzed:	02/03/2011 2344			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		27		3.8	3.8
alpha-BHC		27		3.3	3.3
beta-BHC		21		10	10
Chlordane (n.o.s.)		200		3.3	3.3
4,4'-DDD		20		8.4	8.4
4,4'-DDE		28		3.6	3.6
4,4'-DDT		23		9.0	9.0
delta-BHC		28	B	6.1	6.1
Dieldrin		53		3.2	3.2
Endosulfan I		20		2.7	2.7
Endosulfan II		22		4.4	4.4
Endosulfan sulfate		23		4.2	4.2
Endosulfan, Total		66		4.2	4.2
Endrin		20		4.7	4.7
Endrin aldehyde		19		2.6	2.6
gamma-BHC (Lindane)		25		7.1	7.1
Heptachlor		25		3.3	3.3
Heptachlor epoxide		31		6.5	6.5
Methoxychlor		21		6.9	6.9
Technical Chlordane		490		120	120
Toxaphene		ND		240	240

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	91	D	63 - 124
Tetrachloro-m-xylene	83	D	59 - 115

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

% Moisture: 34.3

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 280-51905		Instrument ID:	GCS_P2
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/04/2011 0123			Injection Volume:	
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		0.37	1.7
alpha-BHC		ND		0.31	1.7
beta-BHC		ND		0.97	1.7
Chlordane (n.o.s.)		2.5		0.31	1.7
4,4'-DDD		ND		0.80	1.7
4,4'-DDE		ND		0.35	1.7
4,4'-DDT		ND		0.86	1.7
delta-BHC		ND		0.58	1.7
Dieldrin		0.79	J	0.31	1.7
Endosulfan I		ND		0.26	1.7
Endosulfan II		ND		0.42	1.7
Endosulfan sulfate		ND		0.40	1.7
Endosulfan, Total		ND		0.40	1.7
Endrin		ND		0.45	1.7
Endrin aldehyde		ND		0.25	1.7
gamma-BHC (Lindane)		ND		0.68	1.7
Heptachlor		ND		0.31	1.7
Heptachlor epoxide		ND		0.62	1.7
Methoxychlor		ND		0.66	3.3
Technical Chlordane		ND		11	25
Toxaphene		ND		23	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90		63 - 124
Tetrachloro-m-xylene	64		59 - 115

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3

Client Matrix: Solid

% Moisture: 37.4

Date Sampled: 01/28/2011 1235

Date Received: 02/02/2011 1015

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 280-51905		Instrument ID:	GCS_P2
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	32.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/04/2011 0140			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		0.37	1.7
alpha-BHC		ND		0.32	1.7
beta-BHC		ND		0.98	1.7
Chlordane (n.o.s.)		3.1		0.32	1.7
4,4'-DDD		ND		0.81	1.7
4,4'-DDE		ND		0.35	1.7
4,4'-DDT		ND		0.87	1.7
delta-BHC		ND		0.59	1.7
Dieldrin		0.46	J	0.31	1.7
Endosulfan I		ND		0.26	1.7
Endosulfan II		ND		0.42	1.7
Endosulfan sulfate		ND		0.41	1.7
Endosulfan, Total		ND		0.41	1.7
Endrin		ND		0.45	1.7
Endrin aldehyde		ND		0.25	1.7
gamma-BHC (Lindane)		ND		0.68	1.7
Heptachlor		ND		0.32	1.7
Heptachlor epoxide		ND		0.63	1.7
Methoxychlor		ND		0.66	3.3
Technical Chlordane		ND		11	25
Toxaphene		ND		23	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		63 - 124
Tetrachloro-m-xylene	64		59 - 115

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4

Client Matrix: Solid

% Moisture: 63.0

Date Sampled: 01/28/2011 1150

Date Received: 02/02/2011 1015

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 280-51905		Instrument ID:	GCS_P2
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	30.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/04/2011 0156			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		0.67	1.7
alpha-BHC		ND		0.57	1.7
beta-BHC		ND		1.8	1.8
Chlordane (n.o.s.)		4.1		0.57	1.7
4,4'-DDD		ND		1.5	1.7
4,4'-DDE		ND		0.64	1.7
4,4'-DDT		ND		1.6	1.7
delta-BHC		ND		1.1	1.7
Dieldrin		1.1	J	0.56	1.7
Endosulfan I		ND		0.47	1.7
Endosulfan II		ND		0.77	1.7
Endosulfan sulfate		ND		0.74	1.7
Endosulfan, Total		ND		0.74	1.7
Endrin		ND		0.82	1.7
Endrin aldehyde		ND		0.46	1.7
gamma-BHC (Lindane)		ND		1.2	1.7
Heptachlor		ND		0.57	1.7
Heptachlor epoxide		ND		1.1	1.7
Methoxychlor		ND		1.2	3.3
Technical Chlordane		ND		21	25
Toxaphene		ND		42	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		63 - 124
Tetrachloro-m-xylene	65		59 - 115

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

% Moisture: 34.6

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 280-51905		Instrument ID:	GCS_P2
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/04/2011 0213			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		ND		0.36	1.7
alpha-BHC		0.33	J p	0.31	1.7
beta-BHC		ND		0.96	1.7
Chlordane (n.o.s.)		3.5		0.31	1.7
4,4'-DDD		ND		0.79	1.7
4,4'-DDE		ND		0.35	1.7
4,4'-DDT		ND		0.86	1.7
delta-BHC		ND		0.58	1.7
Dieldrin		0.81	J	0.31	1.7
Endosulfan I		ND		0.26	1.7
Endosulfan II		ND		0.42	1.7
Endosulfan sulfate		ND		0.40	1.7
Endosulfan, Total		ND		0.40	1.7
Endrin		ND		0.44	1.7
Endrin aldehyde		ND		0.25	1.7
gamma-BHC (Lindane)		ND		0.67	1.7
Heptachlor		ND		0.31	1.7
Heptachlor epoxide		ND		0.62	1.7
Methoxychlor		ND		0.65	3.3
Technical Chlordane		ND		11	25
Toxaphene		ND		23	67

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		63 - 124
Tetrachloro-m-xylene	96		59 - 115

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 280-52195		Instrument ID:	GCS_P3
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	30.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/04/2011 2215			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		7.8	33
PCB-1221		ND		24	47
PCB-1232		ND		7.8	33
PCB-1242		ND		14	33
PCB-1248		ND		8.6	33
PCB-1254		ND		8.5	33
PCB-1260		66		4.1	33
PCB-1262		ND		18	33
PCB-1268		ND		6.1	33
Polychlorinated biphenyls, Total		66		4.1	33

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	83		59 - 130
Tetrachloro-m-xylene	98		53 - 128

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

% Moisture: 34.3

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 280-52195		Instrument ID:	GCS_P3
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/04/2011 2236			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		7.4	33
PCB-1221		ND		23	47
PCB-1232		ND		7.5	33
PCB-1242		ND		13	33
PCB-1248		ND		8.2	33
PCB-1254		ND		8.0	33
PCB-1260		ND		3.9	33
PCB-1262		ND		17	33
PCB-1268		ND		5.8	33
Polychlorinated biphenyls, Total		ND		3.9	33

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	80		59 - 130
Tetrachloro-m-xylene	97		53 - 128

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3

Client Matrix: Solid

% Moisture: 37.4

Date Sampled: 01/28/2011 1235

Date Received: 02/02/2011 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 280-52195		Instrument ID:	GCS_P3
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	32.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/04/2011 2340			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		7.5	33
PCB-1221		ND		23	47
PCB-1232		ND		7.6	33
PCB-1242		ND		13	33
PCB-1248		ND		8.3	33
PCB-1254		ND		8.1	33
PCB-1260		ND		3.9	33
PCB-1262		ND		17	33
PCB-1268		ND		5.8	33
Polychlorinated biphenyls, Total		ND		3.9	33

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		59 - 130
Tetrachloro-m-xylene	96		53 - 128

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4

Client Matrix: Solid

% Moisture: 63.0

Date Sampled: 01/28/2011 1150

Date Received: 02/02/2011 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 280-52195		Instrument ID:	GCS_P3
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	30.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/05/2011 0002			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		14	33
PCB-1221		ND		42	47
PCB-1232		ND		14	33
PCB-1242		ND		24	33
PCB-1248		ND		15	33
PCB-1254		ND		15	33
PCB-1260		ND		7.1	33
PCB-1262		ND		31	33
PCB-1268		ND		11	33
Polychlorinated biphenyls, Total		ND		7.1	33

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		59 - 130
Tetrachloro-m-xylene	89		53 - 128

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

% Moisture: 34.6

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 280-52195		Instrument ID:	GCS_P3
Preparation:	3550C	Prep Batch: 280-51578		Initial Weight/Volume:	31.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/05/2011 0023			Injection Volume:	1 uL
Date Prepared:	02/02/2011 1755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		7.4	33
PCB-1221		ND		23	47
PCB-1232		ND		7.4	33
PCB-1242		ND		13	33
PCB-1248		ND		8.1	33
PCB-1254		ND		8.0	33
PCB-1260		ND		3.8	33
PCB-1262		ND		17	33
PCB-1268		ND		5.7	33
Polychlorinated biphenyls, Total		ND		3.8	33

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		59 - 130
Tetrachloro-m-xylene	96		53 - 128

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 280-52119		Instrument ID:	GCS_M
Preparation:	8151A	Prep Batch: 280-51621		Initial Weight/Volume:	50.8 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/05/2011 0440			Injection Volume:	1 uL
Date Prepared:	02/03/2011 1130			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		22	80
Dalapon		ND		2.2	40
Dinoseb		ND		2.2	12
Silvex (2,4,5-TP)		ND		2.2	20
2,4,5-T		ND		3.5	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	93		31 - 105

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

% Moisture: 34.3

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 280-52119		Instrument ID:	GCS_M
Preparation:	8151A	Prep Batch: 280-51621		Initial Weight/Volume:	50.7 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/05/2011 0502			Injection Volume:	1 uL
Date Prepared:	02/03/2011 1130			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		21	80
Dalapon		ND		2.1	40
Dinoseb		ND		2.1	12
Silvex (2,4,5-TP)		ND		2.1	20
2,4,5-T		ND		3.5	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	86		31 - 105

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3

Client Matrix: Solid

% Moisture: 37.4

Date Sampled: 01/28/2011 1235

Date Received: 02/02/2011 1015

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 280-52119		Instrument ID:	GCS_M
Preparation:	8151A	Prep Batch: 280-51621		Initial Weight/Volume:	50.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/05/2011 0523			Injection Volume:	1 uL
Date Prepared:	02/03/2011 1130			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		22	80
Dalapon		ND		2.2	40
Dinoseb		ND		2.2	12
Silvex (2,4,5-TP)		ND		2.2	20
2,4,5-T		ND		3.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	77		31 - 105

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4

Client Matrix: Solid

% Moisture: 63.0

Date Sampled: 01/28/2011 1150

Date Received: 02/02/2011 1015

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 280-52119		Instrument ID:	GCS_M
Preparation:	8151A	Prep Batch: 280-51621		Initial Weight/Volume:	50.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/05/2011 0628			Injection Volume:	1 uL
Date Prepared:	02/03/2011 1130			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		38	80
Dalapon		ND		3.8	40
Dinoseb		ND		3.8	12
Silvex (2,4,5-TP)		ND		3.8	20
2,4,5-T		ND		6.2	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	94		31 - 105

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

% Moisture: 34.6

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 280-52119		Instrument ID:	GCS_M
Preparation:	8151A	Prep Batch: 280-51621		Initial Weight/Volume:	50.6 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Date Analyzed:	02/05/2011 0649			Injection Volume:	1 uL
Date Prepared:	02/03/2011 1130			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		ND		21	80
Dalapon		ND		2.1	40
Dinoseb		ND		2.1	12
Silvex (2,4,5-TP)		ND		2.1	20
2,4,5-T		ND		3.5	20

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	85		31 - 105

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 280-52048		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020411.asc
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	02/04/2011 1738			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		3.0		0.59	1.5
Barium		140		0.12	1.0
Beryllium		0.53		0.052	0.50
Cadmium		1.2		0.064	0.50
Chromium		100		0.091	1.5
Cobalt		35		0.16	1.0
Copper		97		0.34	2.0
Lead		69		0.42	0.80
Molybdenum		0.45	J	0.41	2.0
Nickel		120		0.19	4.0
Silver		0.58	J	0.25	1.0
Vanadium		120		0.15	2.0
Zinc		260	B	0.62	3.0

Method:	6010B	Analysis Batch: 280-52099		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020511.asc
Dilution:	1.0			Initial Weight/Volume:	1.00 g
Date Analyzed:	02/05/2011 1137			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.4		1.0	1.9
Boron		11		1.5	10
Selenium		ND		1.3	1.3
Thallium		ND		1.0	1.2

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 280-53077		Instrument ID:	MT_026
Preparation:	3010A	Prep Batch: 280-52709		Lab File ID:	26a021111.asc
Dilution:	1.0	Leachate Batch: 280-52571		Initial Weight/Volume:	10 mL
Date Analyzed:	02/11/2011 1936			Final Weight/Volume:	50 mL
Date Prepared:	02/11/2011 0800				
Date Leached:	02/09/2011 1558				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	MDL	RL
Chromium		0.0061	J	0.0030	0.50

7471A Mercury (CVAA)

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

% Moisture: 36.0

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 280-52221		Instrument ID:	MT_033
Preparation:	7471A	Prep Batch: 280-51712		Lab File ID:	120207AB.txt
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Date Analyzed:	02/07/2011 1451			Final Weight/Volume:	50 mL
Date Prepared:	02/07/2011 1205				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		260		8.4	17

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

% Moisture: 34.3

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 280-52048		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020411.asc
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Date Analyzed:	02/04/2011 1749			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.49	J	0.49	1.5
Barium		85		0.097	1.0
Beryllium		0.52		0.042	0.50
Cadmium		0.15	J	0.052	0.50
Chromium		58		0.074	1.5
Cobalt		33		0.13	1.0
Copper		40		0.28	2.0
Lead		4.0		0.35	0.80
Molybdenum		ND		0.33	2.0
Nickel		87		0.16	4.0
Silver		ND		0.20	1.0
Vanadium		100		0.12	2.0
Zinc		79	B	0.51	3.0

Method:	6010B	Analysis Batch: 280-52099		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020511.asc
Dilution:	1.0			Initial Weight/Volume:	1.19 g
Date Analyzed:	02/05/2011 1148			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		ND		0.84	1.9
Boron		4.3	J	1.3	10
Selenium		ND		1.1	1.3
Thallium		ND		0.83	1.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 280-52221		Instrument ID:	MT_033
Preparation:	7471A	Prep Batch: 280-51712		Lab File ID:	120207AB.txt
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Date Analyzed:	02/07/2011 1458			Final Weight/Volume:	50 mL
Date Prepared:	02/07/2011 1205				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		47		8.1	17

Client: Waste Management | Job Number: 280-12120-1

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3 | Date Sampled: 01/28/2011 1235
Client Matrix: Solid | % Moisture: 37.4 | Date Received: 02/02/2011 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 280-52048		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020411.asc
Dilution:	1.0			Initial Weight/Volume:	1.20 g
Date Analyzed:	02/04/2011 1752			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND		0.51	1.5
Barium		83		0.10	1.0
Beryllium		0.65		0.044	0.50
Cadmium		0.12	J	0.055	0.50
Chromium		51		0.077	1.5
Cobalt		31		0.13	1.0
Copper		36		0.29	2.0
Lead		4.0		0.36	0.80
Molybdenum		ND		0.35	2.0
Nickel		79		0.16	4.0
Silver		ND		0.21	1.0
Vanadium		91		0.13	2.0
Zinc		73	B	0.53	3.0

Method:	6010B	Analysis Batch: 280-52099		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020511.asc
Dilution:	1.0			Initial Weight/Volume:	1.20 g
Date Analyzed:	02/05/2011 1151			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		ND		0.88	1.9
Boron		4.1	J	1.3	10
Selenium		ND		1.1	1.3
Thallium		ND		0.87	1.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 280-52221		Instrument ID:	MT_033
Preparation:	7471A	Prep Batch: 280-51712		Lab File ID:	120207AB.txt
Dilution:	1.0			Initial Weight/Volume:	0.63 g
Date Analyzed:	02/07/2011 1505			Final Weight/Volume:	50 mL
Date Prepared:	02/07/2011 1205				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		44		8.4	17

Client: Waste Management | Job Number: 280-12120-1

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4 | Date Sampled: 01/28/2011 1150
Client Matrix: Solid | % Moisture: 63.0 | Date Received: 02/02/2011 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 280-52048		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020411.asc
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	02/04/2011 1755			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		ND		1.0	1.5
Barium		87		0.20	1.0
Beryllium		1.1		0.087	0.50
Cadmium		0.18	J	0.11	0.50
Chromium		54		0.15	1.5
Cobalt		32		0.26	1.0
Copper		42		0.57	2.0
Lead		5.7		0.72	0.80
Molybdenum		ND		0.69	2.0
Nickel		84		0.33	4.0
Silver		ND		0.42	1.0
Vanadium		82		0.25	2.0
Zinc		84	B	1.1	3.0

Method:	6010B	Analysis Batch: 280-52099		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020511.asc
Dilution:	1.0			Initial Weight/Volume:	1.02 g
Date Analyzed:	02/05/2011 1154			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		ND		1.7	1.9
Boron		6.6	J	2.6	10
Selenium		ND		2.3	2.3
Thallium		ND		1.7	1.7

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 280-52221		Instrument ID:	MT_033
Preparation:	7471A	Prep Batch: 280-51712		Lab File ID:	120207AB.txt
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Date Analyzed:	02/07/2011 1507			Final Weight/Volume:	50 mL
Date Prepared:	02/07/2011 1205				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		51		14	17

Client: Waste Management

Job Number: 280-12120-1

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

% Moisture: 34.6

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 280-52048		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020411.asc
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	02/04/2011 1758			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Antimony		0.53	J	0.52	1.5
Barium		74		0.10	1.0
Beryllium		0.72		0.045	0.50
Cadmium		0.13	J	0.056	0.50
Chromium		48		0.079	1.5
Cobalt		28		0.14	1.0
Copper		36		0.30	2.0
Lead		3.9		0.37	0.80
Molybdenum		ND		0.36	2.0
Nickel		75		0.17	4.0
Silver		ND		0.22	1.0
Vanadium		82		0.13	2.0
Zinc		70	B	0.54	3.0

Method:	6010B	Analysis Batch: 280-52099		Instrument ID:	MT_026
Preparation:	3050B	Prep Batch: 280-51545		Lab File ID:	26a020511.asc
Dilution:	1.0			Initial Weight/Volume:	1.12 g
Date Analyzed:	02/05/2011 1157			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		ND		0.90	1.9
Boron		4.0	J	1.3	10
Selenium		ND		1.2	1.3
Thallium		ND		0.89	1.2

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 280-52221		Instrument ID:	MT_033
Preparation:	7471A	Prep Batch: 280-51712		Lab File ID:	120207AB.txt
Dilution:	1.0			Initial Weight/Volume:	0.65 g
Date Analyzed:	02/07/2011 1509			Final Weight/Volume:	50 mL
Date Prepared:	02/07/2011 1205				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		37		7.8	17

General Chemistry

Client Sample ID: **DP**

Lab Sample ID: 280-12120-1FD

Client Matrix: Solid

Date Sampled: 01/28/2011 1107

Date Received: 02/02/2011 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	36		%	0.10	0.10	1.0	Moisture

Analysis Batch: 280-51458 Date Analyzed: 02/02/2011 1400 DryWt Corrected: N

General Chemistry

Client Sample ID: **NPE**

Lab Sample ID: 280-12120-2

Client Matrix: Solid

Date Sampled: 01/28/2011 1230

Date Received: 02/02/2011 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	34		%	0.10	0.10	1.0	Moisture

Analysis Batch: 280-51458 Date Analyzed: 02/02/2011 1400 DryWt Corrected: N

General Chemistry

Client Sample ID: **NPW**

Lab Sample ID: 280-12120-3

Client Matrix: Solid

Date Sampled: 01/28/2011 1235

Date Received: 02/02/2011 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	37		%	0.10	0.10	1.0	Moisture

Analysis Batch: 280-51458 Date Analyzed: 02/02/2011 1400 DryWt Corrected: N

General Chemistry

Client Sample ID: **SPE**

Lab Sample ID: 280-12120-4 Date Sampled: 01/28/2011 1150
Client Matrix: Solid Date Received: 02/02/2011 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	63		%	0.10	0.10	1.0	Moisture

Analysis Batch: 280-51458 Date Analyzed: 02/02/2011 1400 DryWt Corrected: N

General Chemistry

Client Sample ID: **SPW**

Lab Sample ID: 280-12120-5

Client Matrix: Solid

Date Sampled: 01/28/2011 1155

Date Received: 02/02/2011 1015

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	35		%	0.10	0.10	1.0	Moisture

Analysis Batch: 280-51458 Date Analyzed: 02/02/2011 1400 DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-12120-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC VOA		
	B	Compound was found in the blank and sample.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC Semi VOA		
	B	Compound was found in the blank and sample.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	B	Compound was found in the blank and sample.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Waste Management

Job Number: 280-12120-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-51744					
LCS 280-51744/2-A	Lab Control Sample	T	Solid	5035	
LCSD 280-51744/3-A	Lab Control Sample Duplicate	T	Solid	5035	
MB 280-51744/1-A	Method Blank	T	Solid	5035	
280-12120-1FD	DP	T	Solid	5035	
280-12120-2	NPE	T	Solid	5035	
280-12120-3	NPW	T	Solid	5035	
280-12120-4	SPE	T	Solid	5035	
280-12120-5	SPW	T	Solid	5035	
Analysis Batch:280-51993					
LCS 280-51744/2-A	Lab Control Sample	T	Solid	8260B	280-51744
LCSD 280-51744/3-A	Lab Control Sample Duplicate	T	Solid	8260B	280-51744
MB 280-51744/1-A	Method Blank	T	Solid	8260B	280-51744
280-12120-1FD	DP	T	Solid	8260B	280-51744
280-12120-2	NPE	T	Solid	8260B	280-51744
280-12120-3	NPW	T	Solid	8260B	280-51744
280-12120-4	SPE	T	Solid	8260B	280-51744
280-12120-5	SPW	T	Solid	8260B	280-51744

Report Basis

T = Total

Client: Waste Management

Job Number: 280-12120-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 280-51540					
LCS 280-51540/1-A	Lab Control Sample	T	Solid	5030B	
LCSD 280-51540/2-A	Lab Control Sample Duplicate	T	Solid	5030B	
MB 280-51540/3-A	Method Blank	T	Solid	5030B	
280-12120-1FD	DP	T	Solid	5030B	
280-12120-1MS	Matrix Spike	T	Solid	5030B	
280-12120-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
280-12120-2	NPE	T	Solid	5030B	
280-12120-3	NPW	T	Solid	5030B	
280-12120-4	SPE	T	Solid	5030B	
280-12120-5	SPW	T	Solid	5030B	
Analysis Batch:280-52031					
LCS 280-51540/1-A	Lab Control Sample	T	Solid	8015B	280-51540
LCSD 280-51540/2-A	Lab Control Sample Duplicate	T	Solid	8015B	280-51540
MB 280-51540/3-A	Method Blank	T	Solid	8015B	280-51540
280-12120-1FD	DP	T	Solid	8015B	280-51540
280-12120-1MS	Matrix Spike	T	Solid	8015B	280-51540
280-12120-1MSD	Matrix Spike Duplicate	T	Solid	8015B	280-51540
280-12120-2	NPE	T	Solid	8015B	280-51540
280-12120-3	NPW	T	Solid	8015B	280-51540
280-12120-4	SPE	T	Solid	8015B	280-51540
280-12120-5	SPW	T	Solid	8015B	280-51540

Report Basis

T = Total

Client: Waste Management

Job Number: 280-12120-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 280-51572					
LCS 280-51572/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-51572/1-A	Method Blank	T	Solid	3550C	
280-12120-1FD	DP	T	Solid	3550C	
280-12120-2	NPE	T	Solid	3550C	
280-12120-3	NPW	T	Solid	3550C	
280-12120-4	SPE	T	Solid	3550C	
280-12120-4MS	Matrix Spike	T	Solid	3550C	
280-12120-4MSD	Matrix Spike Duplicate	T	Solid	3550C	
280-12120-5	SPW	T	Solid	3550C	
Prep Batch: 280-51578					
LCS 280-51578/2-A	Lab Control Sample	T	Solid	3550C	
LCS 280-51578/3-A	Lab Control Sample	T	Solid	3550C	
MB 280-51578/1-A	Method Blank	T	Solid	3550C	
280-12120-1FD	DP	T	Solid	3550C	
280-12120-1MS	Matrix Spike	T	Solid	3550C	
280-12120-1MSD	Matrix Spike Duplicate	T	Solid	3550C	
280-12120-2	NPE	T	Solid	3550C	
280-12120-2MS	Matrix Spike	T	Solid	3550C	
280-12120-2MSD	Matrix Spike Duplicate	T	Solid	3550C	
280-12120-3	NPW	T	Solid	3550C	
280-12120-4	SPE	T	Solid	3550C	
280-12120-5	SPW	T	Solid	3550C	
Prep Batch: 280-51621					
LCS 280-51621/2-A	Lab Control Sample	T	Solid	8151A	
MB 280-51621/1-A	Method Blank	T	Solid	8151A	
280-12120-1FD	DP	T	Solid	8151A	
280-12120-2	NPE	T	Solid	8151A	
280-12120-3	NPW	T	Solid	8151A	
280-12120-3MS	Matrix Spike	T	Solid	8151A	
280-12120-3MSD	Matrix Spike Duplicate	T	Solid	8151A	
280-12120-4	SPE	T	Solid	8151A	
280-12120-5	SPW	T	Solid	8151A	
Analysis Batch:280-51905					
LCS 280-51578/2-A	Lab Control Sample	T	Solid	8081A	280-51578
MB 280-51578/1-A	Method Blank	T	Solid	8081A	280-51578
280-12120-1FD	DP	T	Solid	8081A	280-51578
280-12120-1MS	Matrix Spike	T	Solid	8081A	280-51578
280-12120-1MSD	Matrix Spike Duplicate	T	Solid	8081A	280-51578
280-12120-2	NPE	T	Solid	8081A	280-51578
280-12120-3	NPW	T	Solid	8081A	280-51578
280-12120-4	SPE	T	Solid	8081A	280-51578
280-12120-5	SPW	T	Solid	8081A	280-51578

Client: Waste Management

Job Number: 280-12120-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:280-52119					
LCS 280-51621/2-A	Lab Control Sample	T	Solid	8151A	280-51621
MB 280-51621/1-A	Method Blank	T	Solid	8151A	280-51621
280-12120-1FD	DP	T	Solid	8151A	280-51621
280-12120-2	NPE	T	Solid	8151A	280-51621
280-12120-3	NPW	T	Solid	8151A	280-51621
280-12120-3MS	Matrix Spike	T	Solid	8151A	280-51621
280-12120-3MSD	Matrix Spike Duplicate	T	Solid	8151A	280-51621
280-12120-4	SPE	T	Solid	8151A	280-51621
280-12120-5	SPW	T	Solid	8151A	280-51621
Analysis Batch:280-52195					
LCS 280-51578/3-A	Lab Control Sample	T	Solid	8082	280-51578
MB 280-51578/1-A	Method Blank	T	Solid	8082	280-51578
280-12120-1FD	DP	T	Solid	8082	280-51578
280-12120-2	NPE	T	Solid	8082	280-51578
280-12120-2MS	Matrix Spike	T	Solid	8082	280-51578
280-12120-2MSD	Matrix Spike Duplicate	T	Solid	8082	280-51578
280-12120-3	NPW	T	Solid	8082	280-51578
280-12120-4	SPE	T	Solid	8082	280-51578
280-12120-5	SPW	T	Solid	8082	280-51578
Analysis Batch:280-52414					
LCS 280-51572/2-A	Lab Control Sample	T	Solid	8015B	280-51572
MB 280-51572/1-A	Method Blank	T	Solid	8015B	280-51572
280-12120-1FD	DP	T	Solid	8015B	280-51572
280-12120-2	NPE	T	Solid	8015B	280-51572
280-12120-3	NPW	T	Solid	8015B	280-51572
280-12120-4	SPE	T	Solid	8015B	280-51572
280-12120-4MS	Matrix Spike	T	Solid	8015B	280-51572
280-12120-4MSD	Matrix Spike Duplicate	T	Solid	8015B	280-51572
280-12120-5	SPW	T	Solid	8015B	280-51572

Report Basis

T = Total

Client: Waste Management

Job Number: 280-12120-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-51545					
LCS 280-51545/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-51545/1-A	Method Blank	T	Solid	3050B	
280-12120-1FD	DP	T	Solid	3050B	
280-12120-1MS	Matrix Spike	T	Solid	3050B	
280-12120-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
280-12120-2	NPE	T	Solid	3050B	
280-12120-3	NPW	T	Solid	3050B	
280-12120-4	SPE	T	Solid	3050B	
280-12120-5	SPW	T	Solid	3050B	
Prep Batch: 280-51712					
LCS 280-51712/2-A	Lab Control Sample	T	Solid	7471A	
MB 280-51712/1-A	Method Blank	T	Solid	7471A	
280-12120-1FD	DP	T	Solid	7471A	
280-12120-2	NPE	T	Solid	7471A	
280-12120-2MS	Matrix Spike	T	Solid	7471A	
280-12120-2MSD	Matrix Spike Duplicate	T	Solid	7471A	
280-12120-3	NPW	T	Solid	7471A	
280-12120-4	SPE	T	Solid	7471A	
280-12120-5	SPW	T	Solid	7471A	
Analysis Batch:280-52048					
LCS 280-51545/2-A	Lab Control Sample	T	Solid	6010B	280-51545
MB 280-51545/1-A	Method Blank	T	Solid	6010B	280-51545
280-12120-1FD	DP	T	Solid	6010B	280-51545
280-12120-1MS	Matrix Spike	T	Solid	6010B	280-51545
280-12120-1MSD	Matrix Spike Duplicate	T	Solid	6010B	280-51545
280-12120-2	NPE	T	Solid	6010B	280-51545
280-12120-3	NPW	T	Solid	6010B	280-51545
280-12120-4	SPE	T	Solid	6010B	280-51545
280-12120-5	SPW	T	Solid	6010B	280-51545
Analysis Batch:280-52099					
LCS 280-51545/2-A	Lab Control Sample	T	Solid	6010B	280-51545
MB 280-51545/1-A	Method Blank	T	Solid	6010B	280-51545
280-12120-1FD	DP	T	Solid	6010B	280-51545
280-12120-1MS	Matrix Spike	T	Solid	6010B	280-51545
280-12120-1MSD	Matrix Spike Duplicate	T	Solid	6010B	280-51545
280-12120-2	NPE	T	Solid	6010B	280-51545
280-12120-3	NPW	T	Solid	6010B	280-51545
280-12120-4	SPE	T	Solid	6010B	280-51545
280-12120-5	SPW	T	Solid	6010B	280-51545

Client: Waste Management

Job Number: 280-12120-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-52221					
LCS 280-51712/2-A	Lab Control Sample	T	Solid	7471A	280-51712
MB 280-51712/1-A	Method Blank	T	Solid	7471A	280-51712
280-12120-1FD	DP	T	Solid	7471A	280-51712
280-12120-2	NPE	T	Solid	7471A	280-51712
280-12120-2MS	Matrix Spike	T	Solid	7471A	280-51712
280-12120-2MSD	Matrix Spike Duplicate	T	Solid	7471A	280-51712
280-12120-3	NPW	T	Solid	7471A	280-51712
280-12120-4	SPE	T	Solid	7471A	280-51712
280-12120-5	SPW	T	Solid	7471A	280-51712
Prep Batch: 280-52571					
LCS 280-52571/2-B	Lab Control Sample	P	Solid	1311	
LB2 280-52571/1-B	TCLP SPLPW Leachate Blank	P	Solid	1311	
280-12120-1FD	DP	P	Solid	1311	
280-12327-A-1-H MS	Matrix Spike	P	Solid	1311	
280-12327-A-1-I MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 280-52709					
LCS 280-52571/2-B	Lab Control Sample	P	Solid	3010A	280-52571
LB2 280-52571/1-B	TCLP SPLPW Leachate Blank	P	Solid	3010A	280-52571
280-12120-1FD	DP	P	Solid	3010A	280-52571
280-12327-A-1-H MS	Matrix Spike	P	Solid	3010A	280-52571
280-12327-A-1-I MSD	Matrix Spike Duplicate	P	Solid	3010A	280-52571
Analysis Batch:280-53077					
LCS 280-52571/2-B	Lab Control Sample	P	Solid	6010B	280-52709
LB2 280-52571/1-B	TCLP SPLPW Leachate Blank	P	Solid	6010B	280-52709
280-12120-1FD	DP	P	Solid	6010B	280-52709
280-12327-A-1-H MS	Matrix Spike	P	Solid	6010B	280-52709
280-12327-A-1-I MSD	Matrix Spike Duplicate	P	Solid	6010B	280-52709

Report Basis

P = TCLP

T = Total

Client: Waste Management

Job Number: 280-12120-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-51458					
280-12120-1FD	DP	T	Solid	Moisture	
280-12120-1DU	Duplicate	T	Solid	Moisture	
280-12120-2	NPE	T	Solid	Moisture	
280-12120-3	NPW	T	Solid	Moisture	
280-12120-4	SPE	T	Solid	Moisture	
280-12120-5	SPW	T	Solid	Moisture	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-12120-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
280-12120-1	DP	82	68	70	72
280-12120-2	NPE	92	75	79	79
280-12120-3	NPW	92	77	78	82
280-12120-4	SPE	66	53X	55X	57X
280-12120-5	SPW	96	80	79	85
MB 280-51744/1-A		120	105	99	109
LCS 280-51744/2-A		110	96	99	103
LCSD 280-51744/3-A		105	92	94	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	50-139
TOL = Toluene-d8 (Surr)	68-143
BFB = 4-Bromofluorobenzene (Surr)	62-133
DBFM = Dibromofluoromethane (Surr)	60-133

Client: Waste Management

Job Number: 280-12120-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
280-12120-1	DP	81
280-12120-2	NPE	80
280-12120-3	NPW	79
280-12120-4	SPE	66X
280-12120-5	SPW	78
MB 280-51540/3-A		96
LCS 280-51540/1-A		99
LCSD 280-51540/2-A		101
280-12120-1 MS	DP MS	77
280-12120-1 MSD	DP MSD	76X

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene	77-123

Client: Waste Management

Job Number: 280-12120-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	OTPH1 %Rec	OTC1 %Rec
280-12120-1	DP	85	131
280-12120-2	NPE	93	95
280-12120-3	NPW	86	88
280-12120-4	SPE	90	92
280-12120-5	SPW	88	89
MB 280-51572/1-A		78	85
LCS 280-51572/2-A		71	93
280-12120-4 MS	SPE MS	54	103
280-12120-4 MSD	SPE MSD	60	90

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	49-115
OTC = n-Octacosane	25-162

Client: Waste Management

Job Number: 280-12120-1

Surrogate Recovery Report

8081A Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
280-12120-1	DP	91D	83D
280-12120-2	NPE	90	64
280-12120-3	NPW	82	64
280-12120-4	SPE	80	65
280-12120-5	SPW	82	96
MB 280-51578/1-A		91	77
LCS 280-51578/2-A		95	83
280-12120-1 MS	DP MS	84D	82D
280-12120-1 MSD	DP MSD	81D	80D

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	63-124
TCX = Tetrachloro-m-xylene	59-115

Client: Waste Management

Job Number: 280-12120-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCB1 %Rec	TCX1 %Rec
280-12120-1	DP	83	98
280-12120-2	NPE	80	97
280-12120-3	NPW	89	96
280-12120-4	SPE	86	89
280-12120-5	SPW	88	96
MB 280-51578/1-A		105	102
LCS 280-51578/3-A		98	100
280-12120-2 MS	NPE MS	84	95
280-12120-2 MSD	NPE MSD	86	93

Surrogate	Acceptance Limits
DCB = DCB Decachlorobiphenyl	59-130
TCX = Tetrachloro-m-xylene	53-128

Client: Waste Management

Job Number: 280-12120-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCPA1 %Rec
280-12120-1	DP	93
280-12120-2	NPE	86
280-12120-3	NPW	77
280-12120-4	SPE	94
280-12120-5	SPW	85
MB 280-51621/1-A		104
LCS 280-51621/2-A		83
280-12120-3 MS	NPW MS	92
280-12120-3 MSD	NPW MSD	83

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	31-105

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51744

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 280-51744/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 2103
Date Prepared: 02/03/2011 1343

Analysis Batch: 280-51993
Prep Batch: 280-51744
Units: ug/Kg

Instrument ID: MSV_G2
Lab File ID: g2_0933.D
Initial Weight/Volume: 5.028 g
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	RL
Acetone	541	J	400	1000
Acrylonitrile	ND		260	5000
Benzene	ND		45	250
Chlorobromomethane	ND		47	250
Bromodichloromethane	ND		39	250
Bromoform	ND		29	250
Bromomethane	ND		47	500
2-Butanone (MEK)	ND		290	1000
tert-Butyl alcohol	ND		1500	10000
Carbon disulfide	ND		64	250
Carbon tetrachloride	ND		17	250
Chlorobenzene	ND		30	250
Dibromochloromethane	ND		33	250
Chloroethane	ND		44	500
Chloroform	ND		46	250
Chloromethane	ND		50	500
1,2-Dibromo-3-Chloropropane	ND		86	500
Dibromomethane	ND		30	250
1,2-Dichlorobenzene	ND		93	250
1,3-Dichlorobenzene	ND		40	250
1,4-Dichlorobenzene	ND		25	250
trans-1,4-Dichloro-2-butene	ND		52	250
1,1-Dichloroethane	ND		50	250
1,2-Dichloroethane	ND		25	250
cis-1,2-Dichloroethene	ND		22	120
trans-1,2-Dichloroethene	ND		45	120
1,1-Dichloroethene	ND		50	250
1,2-Dichloropropane	ND		46	250
cis-1,3-Dichloropropene	ND		27	250
trans-1,3-Dichloropropene	ND		41	250
1,3-Dichloropropene, Total	ND		27	250
Ethylbenzene	ND		34	250
2-Hexanone	ND		220	1000
Iodomethane	ND		21	250
Methylene Chloride	ND		69	250
4-Methyl-2-pentanone (MIBK)	ND		220	1000
Methyl tert-butyl ether	ND		50	250
Naphthalene	ND		38	500
Styrene	ND		26	250
1,1,1,2-Tetrachloroethane	ND		21	250
1,1,2,2-Tetrachloroethane	ND		29	250
Tetrachloroethene	ND		27	250
Toluene	ND		39	250

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51744

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 280-51744/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 2103
Date Prepared: 02/03/2011 1343

Analysis Batch: 280-51993
Prep Batch: 280-51744
Units: ug/Kg

Instrument ID: MSV_G2
Lab File ID: g2_0933.D
Initial Weight/Volume: 5.028 g
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		20	250
1,1,2-Trichloroethane	ND		27	250
Trichloroethene	ND		23	250
Trichlorofluoromethane	ND		50	500
1,2,3-Trichloropropane	ND		47	250
Vinyl acetate	ND		70	500
Vinyl chloride	ND		27	500
Xylenes, Total	ND		35	250
1,2-Dibromoethane	ND		25	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	50 - 139
Toluene-d8 (Surr)	105	68 - 143
4-Bromofluorobenzene (Surr)	99	62 - 133
Dibromofluoromethane (Surr)	109	60 - 133

Client: Waste Management

Job Number: 280-12120-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-51744

Method: 8260B
Preparation: 5035

LCS Lab Sample ID:	LCS 280-51744/2-A	Analysis Batch:	280-51993	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-51744	Lab File ID:	g2_0934.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	02/04/2011 2123			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

LCSD Lab Sample ID:	LCSD 280-51744/3-A	Analysis Batch:	280-51993	Instrument ID:	MSV_G2
Client Matrix:	Solid	Prep Batch:	280-51744	Lab File ID:	g2_0935.D
Dilution:	1.0	Units:	ug/Kg	Initial Weight/Volume:	5 g
Date Analyzed:	02/04/2011 2142			Final Weight/Volume:	1000 mL
Date Prepared:	02/03/2011 1343				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	103	96	67 - 125	6	20		
Bromodichloromethane	108	104	67 - 122	3	23		
Carbon tetrachloride	115	103	60 - 137	11	21		
Chlorobenzene	101	96	72 - 124	5	20		
Chloroform	107	101	69 - 122	6	20		
1,3-Dichlorobenzene	101	98	74 - 119	3	20		
1,4-Dichlorobenzene	101	97	73 - 123	4	20		
1,1-Dichloroethane	107	99	66 - 121	7	25		
trans-1,2-Dichloroethene	106	99	71 - 119	7	25		
1,1-Dichloroethene	106	94	62 - 125	11	29		
1,2-Dichloropropane	104	99	66 - 119	4	22		
Ethylbenzene	102	97	73 - 127	5	20		
Methylene Chloride	117	106	49 - 126	9	22		
Tetrachloroethene	99	93	73 - 131	7	20		
Toluene	108	101	71 - 127	7	20		
1,1,1-Trichloroethane	115	104	65 - 129	11	20		
Trichloroethene	101	95	70 - 125	6	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	105	50 - 139
Toluene-d8 (Surr)	96	92	68 - 143
4-Bromofluorobenzene (Surr)	99	94	62 - 133
Dibromofluoromethane (Surr)	103	97	60 - 133

Client: Waste Management

Job Number: 280-12120-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-51744

Method: 8260B
Preparation: 5035

LCS Lab Sample ID: LCS 280-51744/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 2123
Date Prepared: 02/03/2011 1343

Units: ug/Kg

LCSD Lab Sample ID: LCSD 280-51744/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 2142
Date Prepared: 02/03/2011 1343

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Benzene	2000	2000	2050	1930
Bromodichloromethane	2000	2000	2150	2080
Carbon tetrachloride	2000	2000	2300	2070
Chlorobenzene	2000	2000	2020	1930
Chloroform	2000	2000	2150	2020
1,3-Dichlorobenzene	2000	2000	2020	1950
1,4-Dichlorobenzene	2000	2000	2020	1940
1,1-Dichloroethane	2000	2000	2140	1990
trans-1,2-Dichloroethene	2000	2000	2110	1970
1,1-Dichloroethene	2000	2000	2110	1890
1,2-Dichloropropane	2000	2000	2070	1990
Ethylbenzene	2000	2000	2040	1940
Methylene Chloride	2000	2000	2330	2120
Tetrachloroethene	2000	2000	1990	1860
Toluene	2000	2000	2160	2020
1,1,1-Trichloroethane	2000	2000	2310	2070
Trichloroethene	2000	2000	2020	1890

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51540

Method: 8015B
Preparation: 5030B

Lab Sample ID: MB 280-51540/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1431
Date Prepared: 02/02/2011 1358

Analysis Batch: 280-52031
Prep Batch: 280-51540
Units: mg/Kg

Instrument ID: GCV_B
Lab File ID: 108F0501.D
Initial Weight/Volume: 10.17 g
Final Weight/Volume: 500 mL
Injection Volume: 5 mL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	0.470	J	0.32	1.2

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene	96	77 - 123

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-51540

Method: 8015B
Preparation: 5030B

LCS Lab Sample ID: LCS 280-51540/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1326
Date Prepared: 02/02/2011 1358

Analysis Batch: 280-52031
Prep Batch: 280-51540
Units: mg/Kg

Instrument ID: GCV_B
Lab File ID: 106F0301.D
Initial Weight/Volume: 10.22 g
Final Weight/Volume: 500 mL
Injection Volume: 5 mL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 280-51540/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1359
Date Prepared: 02/02/2011 1358

Analysis Batch: 280-52031
Prep Batch: 280-51540
Units: mg/Kg

Instrument ID: GCV_B
Lab File ID: 107F0401.D
Initial Weight/Volume: 10.22 g
Final Weight/Volume: 500 mL
Injection Volume: 5 mL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Gasoline Range Organics (GRO)-C6-C10	110	114	85 - 153	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene	99	101	77 - 123

Client: Waste Management

Job Number: 280-12120-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-51540

Method: 8015B
Preparation: 5030B

LCS Lab Sample ID: LCS 280-51540/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1326
Date Prepared: 02/02/2011 1358

Units: mg/Kg

LCSD Lab Sample ID: LCSD 280-51540/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1359
Date Prepared: 02/02/2011 1358

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Gasoline Range Organics (GRO)-C6-C10	5.38	5.38	5.93	6.13

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51540

Method: 8015B
Preparation: 5030B

MS Lab Sample ID: 280-12120-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1653
Date Prepared: 02/02/2011 1418

Analysis Batch: 280-52031
Prep Batch: 280-51540

Instrument ID: GCV_B
Lab File ID: 112F0901.D
Initial Weight/Volume: 10.37 g
Final Weight/Volume: 500 mL
Injection Volume: 5 mL
Column ID: PRIMARY

MSD Lab Sample ID: 280-12120-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1725
Date Prepared: 02/02/2011 1418

Analysis Batch: 280-52031
Prep Batch: 280-51540

Instrument ID: GCV_B
Lab File ID: 113F1001.D
Initial Weight/Volume: 10.38 g
Final Weight/Volume: 500 mL
Injection Volume: 5 mL
Column ID: PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Gasoline Range Organics (GRO)-C6-C10	73	64	85 - 153	10	30	F	F

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
a,a,a-Trifluorotoluene	77	76	X	77 - 123

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51540

Method: 8015B
Preparation: 5030B

MS Lab Sample ID:	280-12120-1	Units: mg/Kg	MSD Lab Sample ID:	280-12120-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	02/04/2011 1653		Date Analyzed:	02/04/2011 1725
Date Prepared:	02/02/2011 1418		Date Prepared:	02/02/2011 1418

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Gasoline Range Organics (GRO)-C6-C10	1.7	8.29	8.28	7.79	F	7.04	F

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51572

Method: 8015B
Preparation: 3550C

Lab Sample ID: MB 280-51572/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/08/2011 1058
Date Prepared: 02/02/2011 1650

Analysis Batch: 280-52414
Prep Batch: 280-51572
Units: mg/Kg

Instrument ID: GCS_U2
Lab File ID: 004F0401.D
Initial Weight/Volume: 30.3 g
Final Weight/Volume: 1000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	ND		0.67	4.0
Motor Oil Range Organics [C24-C36]	ND		3.9	12

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	78	49 - 115
n-Octacosane	85	25 - 162

Lab Control Sample - Batch: 280-51572

Method: 8015B
Preparation: 3550C

Lab Sample ID: LCS 280-51572/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/08/2011 1133
Date Prepared: 02/02/2011 1650

Analysis Batch: 280-52414
Prep Batch: 280-51572
Units: mg/Kg

Instrument ID: GCS_U2
Lab File ID: 005F0501.D
Initial Weight/Volume: 32.8 g
Final Weight/Volume: 1000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10-C28]	61.0	57.1	94	53 - 115	

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	71	49 - 115
n-Octacosane	93	25 - 162

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51572

Method: 8015B
Preparation: 3550C

MS Lab Sample ID:	280-12120-4	Analysis Batch:	280-52414	Instrument ID:	GCS_U2
Client Matrix:	Solid	Prep Batch:	280-51572	Lab File ID:	010F1001.D
Dilution:	1.0			Initial Weight/Volume:	31.4 g
Date Analyzed:	02/08/2011 1430			Final Weight/Volume:	1000 uL
Date Prepared:	02/02/2011 1650			Injection Volume:	1 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	280-12120-4	Analysis Batch:	280-52414	Instrument ID:	GCS_U2
Client Matrix:	Solid	Prep Batch:	280-51572	Lab File ID:	011F1101.D
Dilution:	1.0			Initial Weight/Volume:	31.8 g
Date Analyzed:	02/08/2011 1505			Final Weight/Volume:	1000 uL
Date Prepared:	02/02/2011 1650			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Diesel Range Organics [C10-C28]	76	84	56 - 115	8	23		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
o-Terphenyl	54	60	49 - 115
n-Octacosane	103	90	25 - 162

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51572

Method: 8015B
Preparation: 3550C

MS Lab Sample ID:	280-12120-4	Units: mg/Kg		MSD Lab Sample ID:	280-12120-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	02/08/2011 1430			Date Analyzed:	02/08/2011 1505
Date Prepared:	02/02/2011 1650			Date Prepared:	02/02/2011 1650

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Diesel Range Organics [C10-C28]	6.3	172	170	137	149

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51578

Method: 8081A
Preparation: 3550C

Lab Sample ID: MB 280-51578/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/03/2011 1618
Date Prepared: 02/02/2011 1755

Analysis Batch: 280-51905
Prep Batch: 280-51578
Units: ug/Kg

Instrument ID: GCS_P2
Lab File ID: 015F1501.D
Initial Weight/Volume: 30.3 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	ND		0.25	1.7
alpha-BHC	ND		0.21	1.7
beta-BHC	ND		0.66	1.7
Chlordane (n.o.s.)	ND		0.21	1.7
4,4'-DDD	ND		0.54	1.7
4,4'-DDE	ND		0.24	1.7
4,4'-DDT	ND		0.58	1.7
delta-BHC	ND		0.40	1.7
Dieldrin	ND		0.21	1.7
Endosulfan I	ND		0.17	1.7
Endosulfan II	ND		0.28	1.7
Endosulfan sulfate	ND		0.27	1.7
Endosulfan, Total	ND		0.27	1.7
Endrin	ND		0.30	1.7
Endrin aldehyde	ND		0.17	1.7
gamma-BHC (Lindane)	ND		0.46	1.7
Heptachlor	ND		0.21	1.7
Heptachlor epoxide	ND		0.42	1.7
Methoxychlor	ND		0.45	3.3
Technical Chlordane	ND		7.7	25
Toxaphene	ND		16	67

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	91	63 - 124
Tetrachloro-m-xylene	77	59 - 115

Client: Waste Management

Job Number: 280-12120-1

Lab Control Sample - Batch: 280-51578

Method: 8081A
Preparation: 3550C

Lab Sample ID: LCS 280-51578/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/03/2011 1406
Date Prepared: 02/02/2011 1755

Analysis Batch: 280-51905
Prep Batch: 280-51578
Units: ug/Kg

Instrument ID: GCS_P2
Lab File ID: 007F0701.D
Initial Weight/Volume: 30.3 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	16.5	16.2	98	60 - 115	
alpha-BHC	16.5	15.2	92	54 - 115	
beta-BHC	16.5	15.1	92	58 - 115	
4,4'-DDD	16.5	14.0	85	57 - 118	
4,4'-DDE	16.5	16.1	97	61 - 115	
4,4'-DDT	16.5	15.2	92	53 - 125	
delta-BHC	16.5	16.4	100	62 - 115	
Dieldrin	16.5	17.1	104	63 - 117	
Endosulfan I	16.5	14.8	90	55 - 115	
Endosulfan II	16.5	16.7	101	60 - 115	
Endosulfan sulfate	16.5	16.9	103	58 - 118	
Endrin	16.5	17.6	106	61 - 121	
Endrin aldehyde	16.5	14.5	88	54 - 115	
gamma-BHC (Lindane)	16.5	15.6	94	59 - 115	
Heptachlor	16.5	16.6	101	61 - 115	
Methoxychlor	16.5	15.7	95	52 - 123	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	95	63 - 124
Tetrachloro-m-xylene	83	59 - 115

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51578

Method: 8081A
Preparation: 3550C

MS Lab Sample ID:	280-12120-1	Analysis Batch:	280-51905	Instrument ID:	GCS_P2
Client Matrix:	Solid	Prep Batch:	280-51578	Lab File ID:	009F0901.D
Dilution:	10			Initial Weight/Volume:	31.8 g
Date Analyzed:	02/03/2011 1439			Final Weight/Volume:	10000 uL
Date Prepared:	02/02/2011 1755			Injection Volume:	1 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	280-12120-1	Analysis Batch:	280-51905	Instrument ID:	GCS_P2
Client Matrix:	Solid	Prep Batch:	280-51578	Lab File ID:	010F1001.D
Dilution:	10			Initial Weight/Volume:	32.4 g
Date Analyzed:	02/03/2011 1455			Final Weight/Volume:	10000 uL
Date Prepared:	02/02/2011 1755			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aldrin	-5	-20	60 - 115	15	50	D	D
alpha-BHC	-6	-6	54 - 115	1	17	D	D
beta-BHC	-6	-4	58 - 115	3	17	D	D
4,4'-DDD	-14	-10	57 - 118	6	20	D	D
4,4'-DDE	-6	-25	61 - 115	18	15	D	D
4,4'-DDT	0.2	-3	53 - 125	4	29	D	D
delta-BHC	-6	-12	62 - 115	5	19	D	D
Dieldrin	-18	-88	63 - 117	42	25	D	D
Endosulfan I	-5	-14	55 - 115	12	26	D	D
Endosulfan II	-9	-12	60 - 115	4	20	D	D
Endosulfan sulfate	-11	-11	58 - 118	0	22	D	D
Endrin	-11	-14	61 - 121	4	30	D	D
Endrin aldehyde	-4	-16	54 - 115	17	29	D	D
gamma-BHC (Lindane)	-5	-5	59 - 115	0	24	D	D
Heptachlor	-6	-12	61 - 115	6	18	D	D
Methoxychlor	-0.5	-13	52 - 123	16	23	D	D

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	84	D	81	D	63 - 124
Tetrachloro-m-xylene	82	D	80	D	59 - 115

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51578

Method: 8081A
Preparation: 3550C

MS Lab Sample ID:	280-12120-1	Units: ug/Kg	MSD Lab Sample ID:	280-12120-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	10		Dilution:	10
Date Analyzed:	02/03/2011 1439		Date Analyzed:	02/03/2011 1455
Date Prepared:	02/02/2011 1755		Date Prepared:	02/02/2011 1755

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aldrin	27	24.6	24.1	25.4	D	21.8	D
alpha-BHC	27	24.6	24.1	25.7	D	25.8	D
beta-BHC	21	24.6	24.1	19.8	D	20.5	D
4,4'-DDD	20	24.6	24.1	16.5	D	17.6	D
4,4'-DDE	28	24.6	24.1	26.5	D	22.2	D
4,4'-DDT	23	24.6	24.1	22.9	D	22.1	D
delta-BHC	28	24.6	24.1	26.6	D	25.3	D
Dieldrin	53	24.6	24.1	48.3	D	31.7	D
Endosulfan I	20	24.6	24.1	19.2	D	17.1	D
Endosulfan II	22	24.6	24.1	19.6	D	18.9	D
Endosulfan sulfate	23	24.6	24.1	20.8	D	20.8	D
Endrin	24	24.6	24.1	21.4	D	20.5	D
Endrin aldehyde	19	24.6	24.1	17.5	D	14.8	D
gamma-BHC (Lindane)	25	24.6	24.1	24.2	D	24.2	D
Heptachlor	25	24.6	24.1	23.8	D	22.4	D
Methoxychlor	21	24.6	24.1	20.5	D	17.5	D

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51578

Method: 8082
Preparation: 3550C

Lab Sample ID: MB 280-51578/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 2132
Date Prepared: 02/02/2011 1755

Analysis Batch: 280-52195
Prep Batch: 280-51578
Units: ug/Kg

Instrument ID: GCS_P3
Lab File ID: 027F2701.D
Initial Weight/Volume: 30.3 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		5.0	33
PCB-1221	ND		15	47
PCB-1232	ND		5.1	33
PCB-1242	ND		9.0	33
PCB-1248	ND		5.6	33
PCB-1254	ND		5.5	33
PCB-1260	ND		2.6	33
PCB-1262	ND		11	33
PCB-1268	ND		3.9	33
Polychlorinated biphenyls, Total	ND		2.6	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	105	59 - 130
Tetrachloro-m-xylene	102	53 - 128

Lab Control Sample - Batch: 280-51578

Method: 8082
Preparation: 3550C

Lab Sample ID: LCS 280-51578/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 2153
Date Prepared: 02/02/2011 1755

Analysis Batch: 280-52195
Prep Batch: 280-51578
Units: ug/Kg

Instrument ID: GCS_P3
Lab File ID: 028F2801.D
Initial Weight/Volume: 31.1 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	64.3	68.4	106	54 - 132	
PCB-1260	64.3	71.7	112	62 - 129	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	98	59 - 130
Tetrachloro-m-xylene	100	53 - 128

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51578

Method: 8082
Preparation: 3550C

MS Lab Sample ID:	280-12120-2	Analysis Batch:	280-52195	Instrument ID:	GCS_P3
Client Matrix:	Solid	Prep Batch:	280-51578	Lab File ID:	031F3101.D
Dilution:	1.0			Initial Weight/Volume:	30.7 g
Date Analyzed:	02/04/2011 2257			Final Weight/Volume:	10000 uL
Date Prepared:	02/02/2011 1755			Injection Volume:	1 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	280-12120-2	Analysis Batch:	280-52195	Instrument ID:	GCS_P3
Client Matrix:	Solid	Prep Batch:	280-51578	Lab File ID:	032F3201.D
Dilution:	1.0			Initial Weight/Volume:	30.1 g
Date Analyzed:	02/04/2011 2319			Final Weight/Volume:	10000 uL
Date Prepared:	02/02/2011 1755			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	133	137	54 - 132	5	36	F	F
PCB-1260	103	104	62 - 129	3	44		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	86	59 - 130
Tetrachloro-m-xylene	95	93	53 - 128

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51578

Method: 8082
Preparation: 3550C

MS Lab Sample ID:	280-12120-2	Units: ug/Kg		MSD Lab Sample ID:	280-12120-2
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	02/04/2011 2257			Date Analyzed:	02/04/2011 2319
Date Prepared:	02/02/2011 1755			Date Prepared:	02/02/2011 1755

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
PCB-1016	ND	99.1	101	132	F	138	F
PCB-1260	ND	99.1	101	102		105	

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51621

Method: 8151A
Preparation: 8151A

Lab Sample ID: MB 280-51621/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/05/2011 0335
Date Prepared: 02/03/2011 1130

Analysis Batch: 280-52119
Prep Batch: 280-51621
Units: ug/Kg

Instrument ID: GCS_M
Lab File ID: 027B2701.D
Initial Weight/Volume: 50.9 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	ND		14	80
Dalapon	ND		1.4	40
Dinoseb	ND		1.4	12
Silvex (2,4,5-TP)	ND		1.4	20
2,4,5-T	ND		2.3	20

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	104	31 - 105

Lab Control Sample - Batch: 280-51621

Method: 8151A
Preparation: 8151A

Lab Sample ID: LCS 280-51621/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/05/2011 0357
Date Prepared: 02/03/2011 1130

Analysis Batch: 280-52119
Prep Batch: 280-51621
Units: ug/Kg

Instrument ID: GCS_M
Lab File ID: 028B2801.D
Initial Weight/Volume: 50.5 g
Final Weight/Volume: 10000 uL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	91.1	78.7	86	32 - 97	J
Dalapon	103	70.4	68	11 - 87	
Dinoseb	91.1	9.44	10	5 - 166	J
Silvex (2,4,5-TP)	91.1	75.7	83	53 - 134	
2,4,5-T	95.0	83.2	87	24 - 98	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	83	31 - 105

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51621

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	280-12120-3	Analysis Batch:	280-52119	Instrument ID:	GCS_M
Client Matrix:	Solid	Prep Batch:	280-51621	Lab File ID:	033B3301.D
Dilution:	1.0			Initial Weight/Volume:	50.5 g
Date Analyzed:	02/05/2011 0545			Final Weight/Volume:	10000 uL
Date Prepared:	02/03/2011 1130			Injection Volume:	1 uL
				Column ID:	PRIMARY

MSD Lab Sample ID:	280-12120-3	Analysis Batch:	280-52119	Instrument ID:	GCS_M
Client Matrix:	Solid	Prep Batch:	280-51621	Lab File ID:	034B3401.D
Dilution:	1.0			Initial Weight/Volume:	50.6 g
Date Analyzed:	02/05/2011 0606			Final Weight/Volume:	10000 uL
Date Prepared:	02/03/2011 1130			Injection Volume:	1 uL
				Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-D	87	75	32 - 97	15	40		
Dalapon	71	67	11 - 87	5	50		
Dinoseb	11	13	5 - 166	15	50		
Silvex (2,4,5-TP)	83	75	53 - 134	11	40		
2,4,5-T	87	76	24 - 98	14	40		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	92	83	31 - 105

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51621

Method: 8151A
Preparation: 8151A

MS Lab Sample ID:	280-12120-3	Units: ug/Kg		MSD Lab Sample ID:	280-12120-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	02/05/2011 0545			Date Analyzed:	02/05/2011 0606
Date Prepared:	02/03/2011 1130			Date Prepared:	02/03/2011 1130

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
2,4-D	ND	146	145	127	109
Dalapon	ND	165	164	116	111
Dinoseb	ND	146	145	16.7	19.4
Silvex (2,4,5-TP)	ND	146	145	121	108
2,4,5-T	ND	152	152	133	115

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51545

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 280-51545/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1733
Date Prepared: 02/03/2011 0700

Analysis Batch: 280-52048
Prep Batch: 280-51545
Units: mg/Kg

Instrument ID: MT_026
Lab File ID: 26a020411.asc
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Antimony	ND		0.38	1.5
Barium	ND		0.076	1.0
Beryllium	ND		0.033	0.50
Cadmium	ND		0.041	0.50
Chromium	ND		0.058	1.5
Cobalt	ND		0.10	1.0
Copper	ND		0.22	2.0
Lead	ND		0.27	0.80
Molybdenum	ND		0.26	2.0
Nickel	ND		0.12	4.0
Silver	ND		0.16	1.0
Vanadium	ND		0.094	2.0
Zinc	0.406	J	0.40	3.0

Method Blank - Batch: 280-51545

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 280-51545/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/05/2011 1133
Date Prepared: 02/03/2011 0700

Analysis Batch: 280-52099
Prep Batch: 280-51545
Units: mg/Kg

Instrument ID: MT_026
Lab File ID: 26a020511.asc
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	ND		0.66	1.9
Boron	ND		0.98	10
Selenium	ND		0.86	1.3
Thallium	ND		0.65	1.2

Client: Waste Management

Job Number: 280-12120-1

Lab Control Sample - Batch: 280-51545

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 280-51545/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2011 1736
Date Prepared: 02/03/2011 0700

Analysis Batch: 280-52048
Prep Batch: 280-51545
Units: mg/Kg

Instrument ID: MT_026
Lab File ID: 26a020411.asc
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	51.1	102	82 - 110	
Barium	200	194	97	87 - 112	
Beryllium	5.00	4.62	92	84 - 114	
Cadmium	10.0	9.88	99	87 - 110	
Chromium	20.0	20.1	100	84 - 114	
Cobalt	50.0	49.5	99	87 - 110	
Copper	25.0	25.5	102	88 - 110	
Lead	50.0	50.0	100	86 - 110	
Molybdenum	100	104	104	86 - 110	
Nickel	50.0	49.6	99	87 - 110	
Silver	5.00	4.96	99	87 - 114	
Vanadium	50.0	48.1	96	88 - 110	
Zinc	50.0	48.0	96	76 - 114	

Lab Control Sample - Batch: 280-51545

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 280-51545/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/05/2011 1135
Date Prepared: 02/03/2011 0700

Analysis Batch: 280-52099
Prep Batch: 280-51545
Units: mg/Kg

Instrument ID: MT_026
Lab File ID: 26a020511.asc
Initial Weight/Volume: 1 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	100	98.4	98	85 - 110	
Boron	100	96.3	96	81 - 110	
Selenium	200	192	96	83 - 110	
Thallium	200	206	103	84 - 110	

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51545

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-12120-1	Analysis Batch:	280-52048	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-51545	Lab File ID:	26a020411.asc
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Date Analyzed:	02/04/2011 1743			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

MSD Lab Sample ID:	280-12120-1	Analysis Batch:	280-52048	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-51545	Lab File ID:	26a020411.asc
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	02/04/2011 1746			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	17	19	20 - 200	15	40	F	F
Barium	80	76	52 - 159	3	30		
Beryllium	74	73	72 - 105	8	30		
Cadmium	83	81	40 - 130	7	30		
Chromium	96	72	70 - 200	4	40		
Cobalt	78	75	72 - 106	4	30		
Copper	87	60	37 - 187	6	30		
Lead	73	68	70 - 200	1	40		F
Molybdenum	73	74	75 - 103	11	30	F	F
Nickel	103	88	61 - 126	2	30		
Silver	84	79	75 - 141	4	30		
Vanadium	74	68	50 - 169	0	30		
Zinc	10	-5	70 - 200	4	40	F	F

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51545

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-12120-1	Analysis Batch:	280-52099	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-51545	Lab File ID:	26a020511.asc
Dilution:	1.0			Initial Weight/Volume:	1.15 g
Date Analyzed:	02/05/2011 1143			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

MSD Lab Sample ID:	280-12120-1	Analysis Batch:	280-52099	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-51545	Lab File ID:	26a020511.asc
Dilution:	1.0			Initial Weight/Volume:	1.04 g
Date Analyzed:	02/05/2011 1146			Final Weight/Volume:	100 mL
Date Prepared:	02/03/2011 0700				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	77	77	76 - 111	10	30		
Boron	79	78	75 - 107	8	30		
Selenium	76	75	76 - 104	10	30		F
Thallium	82	82	78 - 101	10	30		

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51545

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-12120-1	Units: mg/Kg	MSD Lab Sample ID:	280-12120-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	02/04/2011 1743		Date Analyzed:	02/04/2011 1746
Date Prepared:	02/03/2011 0700		Date Prepared:	02/03/2011 0700

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Antimony	3.0		67.9	75.1	14.8	F	17.2	F
Barium	140		272	300	357		368	
Beryllium	0.53		6.79	7.51	5.56		6.00	
Cadmium	1.2		13.6	15.0	12.5		13.4	
Chromium	100		27.2	30.0	127		123	
Cobalt	35		67.9	75.1	88.1		91.3	
Copper	97		34.0	37.6	126		119	
Lead	69		67.9	75.1	119		120	F
Molybdenum	0.45	J	136	150	99.4	F	111	F
Nickel	120		67.9	75.1	190		186	
Silver	0.58	J	6.79	7.51	6.26		6.52	
Vanadium	120		67.9	75.1	168		169	
Zinc	260		67.9	75.1	266	F	256	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51545

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	280-12120-1	Units: mg/Kg	MSD Lab Sample ID:	280-12120-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	02/05/2011 1143		Date Analyzed:	02/05/2011 1146
Date Prepared:	02/03/2011 0700		Date Prepared:	02/03/2011 0700

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Arsenic	4.4	136	150	110	121	
Boron	11	136	150	118	127	
Selenium	ND	272	300	206	227	F
Thallium	ND	272	300	222	246	

Client: Waste Management

Job Number: 280-12120-1

TCLP SPLPW Leachate Blank - Batch: 280-52709

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB2 280-52571/1-B	Analysis Batch:	280-53077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-52709	Lab File ID:	26a021111.asc
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	10 mL
Date Analyzed:	02/11/2011 1922			Final Weight/Volume:	50 mL
Date Prepared:	02/11/2011 0800				
Date Leached:	02/09/2011 1558				

Analyte	Result	Qual	MDL	RL
Chromium	ND		0.0030	0.50

Lab Control Sample - Batch: 280-52709

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LCS 280-52571/2-B	Analysis Batch:	280-53077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-52709	Lab File ID:	26a021111.asc
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	10 mL
Date Analyzed:	02/11/2011 1924			Final Weight/Volume:	50 mL
Date Prepared:	02/11/2011 0800				
Date Leached:	02/09/2011 1558				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium	5.20	5.13	99	80 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-52709

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-12327-A-1-H MS	Analysis Batch:	280-53077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-52709	Lab File ID:	26a021111.asc
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	02/11/2011 1931			Final Weight/Volume:	50 mL
Date Prepared:	02/11/2011 0800				
Date Leached:	02/09/2011 1558				

MSD Lab Sample ID:	280-12327-A-1-I MSD	Analysis Batch:	280-53077	Instrument ID:	MT_026
Client Matrix:	Solid	Prep Batch:	280-52709	Lab File ID:	26a021111.asc
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	02/11/2011 1933			Final Weight/Volume:	50 mL
Date Prepared:	02/11/2011 0800				
Date Leached:	02/09/2011 1558				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chromium	96	93	80 - 120	3	20		

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-52709

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-12327-A-1-H MS	Units: mg/L	MSD Lab Sample ID:	280-12327-A-1-I MSD
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	02/11/2011 1931		Date Analyzed:	02/11/2011 1933
Date Prepared:	02/11/2011 0800		Date Prepared:	02/11/2011 0800
Date Leached:	02/09/2011 1558		Date Leached:	02/09/2011 1558

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chromium	0.0042	J	5.20	5.20	4.98	4.84

Client: Waste Management

Job Number: 280-12120-1

Method Blank - Batch: 280-51712

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 280-51712/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/07/2011 1446
Date Prepared: 02/07/2011 1205

Analysis Batch: 280-52221
Prep Batch: 280-51712
Units: ug/Kg

Instrument ID: MT_033
Lab File ID: 120207AB.txt
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		5.5	17

Lab Control Sample - Batch: 280-51712

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 280-51712/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/07/2011 1448
Date Prepared: 02/07/2011 1205

Analysis Batch: 280-52221
Prep Batch: 280-51712
Units: ug/Kg

Instrument ID: MT_033
Lab File ID: 120207AB.txt
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	417	392	94	87 - 111	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51712

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 280-12120-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/07/2011 1500
Date Prepared: 02/07/2011 1205

Analysis Batch: 280-52221
Prep Batch: 280-51712

Instrument ID: MT_033
Lab File ID: 120207AB.txt
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 280-12120-2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/07/2011 1502
Date Prepared: 02/07/2011 1205

Analysis Batch: 280-52221
Prep Batch: 280-51712

Instrument ID: MT_033
Lab File ID: 120207AB.txt
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	105	102	87 - 111	2	20		

Client: Waste Management

Job Number: 280-12120-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-51712

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	280-12120-2	Units: ug/Kg	MSD Lab Sample ID:	280-12120-2
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Date Analyzed:	02/07/2011 1500		Date Analyzed:	02/07/2011 1502
Date Prepared:	02/07/2011 1205		Date Prepared:	02/07/2011 1205

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	47	624	624	698	686

Client: Waste Management

Job Number: 280-12120-1

Duplicate - Batch: 280-51458

Method: Moisture
Preparation: N/A

Lab Sample ID: 280-12120-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/02/2011 1400
Date Prepared: N/A

Analysis Batch: 280-51458
Prep Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	36	41	12	20	

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **280-12120-1** **Client ID:** **DP**

Sample Date/Time: 01/28/2011 11:07 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	280-12120-G-1-B		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	280-12120-G-1-B		280-51993	280-51744	02/04/2011 22:20	1	TAL DEN	DPI
P:5030B	280-12120-E-1-A		280-52031	280-51540	02/02/2011 14:18	1	TAL DEN	TEM
A:8015B	280-12120-E-1-A		280-52031	280-51540	02/04/2011 16:20	1	TAL DEN	DBG
P:3550C	280-12120-D-1-A		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	280-12120-D-1-A		280-52414	280-51572	02/08/2011 12:08	1	TAL DEN	MRB
P:3550C	280-12120-D-1-B		280-51905	280-51578	02/02/2011 17:55	10	TAL DEN	TJA
A:8081A	280-12120-D-1-B		280-51905	280-51578	02/03/2011 23:44	10	TAL DEN	BER
P:3550C	280-12120-D-1-B		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	280-12120-D-1-B		280-52195	280-51578	02/04/2011 22:15	1	TAL DEN	AMP
P:8151A	280-12120-D-1-E		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	280-12120-D-1-E		280-52119	280-51621	02/05/2011 04:40	1	TAL DEN	DW
P:3050B	280-12120-A-1-A		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-1-A		280-52048	280-51545	02/04/2011 17:38	1	TAL DEN	HEB
P:3050B	280-12120-A-1-A		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-1-A		280-52099	280-51545	02/05/2011 11:37	1	TAL DEN	HEB
P:3010A	280-12120-A-1-G		280-53077	280-52709	02/11/2011 08:00	1	TAL DEN	JRH
A:6010B	280-12120-A-1-G		280-53077	280-52709	02/11/2011 19:36	1	TAL DEN	HEB
P:7471A	280-12120-D-1-F		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	280-12120-D-1-F		280-52221	280-51712	02/07/2011 14:51	1	TAL DEN	KS
A:Moisture	280-12120-D-1		280-51458		02/02/2011 14:00	1	TAL DEN	PBB

Lab ID: **280-12120-1 MS** **Client ID:** **DP**

Sample Date/Time: 01/28/2011 11:07 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-12120-E-1-B MS		280-52031	280-51540	02/02/2011 14:18	1	TAL DEN	TEM
A:8015B	280-12120-E-1-B MS		280-52031	280-51540	02/04/2011 16:53	1	TAL DEN	DBG
P:3550C	280-12120-D-1-C MS		280-51905	280-51578	02/02/2011 17:55	10	TAL DEN	TJA
A:8081A	280-12120-D-1-C MS		280-51905	280-51578	02/03/2011 14:39	10	TAL DEN	BER
P:3050B	280-12120-A-1-B MS		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-1-B MS		280-52048	280-51545	02/04/2011 17:43	1	TAL DEN	HEB
P:3050B	280-12120-A-1-B MS		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-1-B MS		280-52099	280-51545	02/05/2011 11:43	1	TAL DEN	HEB

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **280-12120-1 MSD** **Client ID:** **DP**

Sample Date/Time: 01/28/2011 11:07 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-12120-E-1-C MSD		280-52031	280-51540	02/02/2011 14:18	1	TAL DEN	TEM
A:8015B	280-12120-E-1-C MSD		280-52031	280-51540	02/04/2011 17:25	1	TAL DEN	DBG
P:3550C	280-12120-D-1-D MSD		280-51905	280-51578	02/02/2011 17:55	10	TAL DEN	TJA
A:8081A	280-12120-D-1-D MSD		280-51905	280-51578	02/03/2011 14:55	10	TAL DEN	BER
P:3050B	280-12120-A-1-C MSD		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-1-C MSD		280-52048	280-51545	02/04/2011 17:46	1	TAL DEN	HEB
P:3050B	280-12120-A-1-C MSD		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-1-C MSD		280-52099	280-51545	02/05/2011 11:46	1	TAL DEN	HEB

Lab ID: **280-12120-1 DU** **Client ID:** **DP**

Sample Date/Time: 01/28/2011 11:07 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	280-12120-D-1 DU		280-51458		02/02/2011 14:00	1	TAL DEN	PBB

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **280-12120-2** **Client ID:** **NPE**

Sample Date/Time: 01/28/2011 12:30 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	280-12120-F-2-B		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	280-12120-F-2-B		280-51993	280-51744	02/04/2011 22:40	1	TAL DEN	DPI
P:5030B	280-12120-E-2-A		280-52031	280-51540	02/02/2011 14:18	1	TAL DEN	TEM
A:8015B	280-12120-E-2-A		280-52031	280-51540	02/04/2011 17:58	1	TAL DEN	DBG
P:3550C	280-12120-D-2-A		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	280-12120-D-2-A		280-52414	280-51572	02/08/2011 12:44	1	TAL DEN	MRB
P:3550C	280-12120-D-2-B		280-51905	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8081A	280-12120-D-2-B		280-51905	280-51578	02/04/2011 01:23	1	TAL DEN	BER
P:3550C	280-12120-D-2-B		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	280-12120-D-2-B		280-52195	280-51578	02/04/2011 22:36	1	TAL DEN	AMP
P:8151A	280-12120-D-2-E		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	280-12120-D-2-E		280-52119	280-51621	02/05/2011 05:02	1	TAL DEN	DW
P:3050B	280-12120-A-2-A		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-2-A		280-52048	280-51545	02/04/2011 17:49	1	TAL DEN	HEB
P:3050B	280-12120-A-2-A		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-2-A		280-52099	280-51545	02/05/2011 11:48	1	TAL DEN	HEB
P:7471A	280-12120-D-2-F		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	280-12120-D-2-F		280-52221	280-51712	02/07/2011 14:58	1	TAL DEN	KS
A:Moisture	280-12120-D-2		280-51458		02/02/2011 14:00	1	TAL DEN	PBB

Lab ID: **280-12120-2 MS** **Client ID:** **NPE**

Sample Date/Time: 01/28/2011 12:30 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-12120-D-2-C MS		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	280-12120-D-2-C MS		280-52195	280-51578	02/04/2011 22:57	1	TAL DEN	AMP
P:7471A	280-12120-D-2-G MS		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	280-12120-D-2-G MS		280-52221	280-51712	02/07/2011 15:00	1	TAL DEN	KS

Lab ID: **280-12120-2 MSD** **Client ID:** **NPE**

Sample Date/Time: 01/28/2011 12:30 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-12120-D-2-D MSD		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	280-12120-D-2-D MSD		280-52195	280-51578	02/04/2011 23:19	1	TAL DEN	AMP
P:7471A	280-12120-D-2-H MSD		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	280-12120-D-2-H MSD		280-52221	280-51712	02/07/2011 15:02	1	TAL DEN	KS

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **280-12120-3** **Client ID:** **NPW**

Sample Date/Time: 01/28/2011 12:35 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	280-12120-H-3-B		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	280-12120-H-3-B		280-51993	280-51744	02/04/2011 22:59	1	TAL DEN	DPI
P:5030B	280-12120-E-3-A		280-52031	280-51540	02/02/2011 14:18	1	TAL DEN	TEM
A:8015B	280-12120-E-3-A		280-52031	280-51540	02/04/2011 19:03	1	TAL DEN	DBG
P:3550C	280-12120-D-3-A		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	280-12120-D-3-A		280-52414	280-51572	02/08/2011 13:20	1	TAL DEN	MRB
P:3550C	280-12120-D-3-B		280-51905	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8081A	280-12120-D-3-B		280-51905	280-51578	02/04/2011 01:40	1	TAL DEN	BER
P:3550C	280-12120-D-3-B		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	280-12120-D-3-B		280-52195	280-51578	02/04/2011 23:40	1	TAL DEN	AMP
P:8151A	280-12120-D-3-C		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	280-12120-D-3-C		280-52119	280-51621	02/05/2011 05:23	1	TAL DEN	DW
P:3050B	280-12120-A-3-A		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-3-A		280-52048	280-51545	02/04/2011 17:52	1	TAL DEN	HEB
P:3050B	280-12120-A-3-A		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-3-A		280-52099	280-51545	02/05/2011 11:51	1	TAL DEN	HEB
P:7471A	280-12120-D-3-F		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	280-12120-D-3-F		280-52221	280-51712	02/07/2011 15:05	1	TAL DEN	KS
A:Moisture	280-12120-D-3		280-51458		02/02/2011 14:00	1	TAL DEN	PBB

Lab ID: **280-12120-3 MS** **Client ID:** **NPW**

Sample Date/Time: 01/28/2011 12:35 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8151A	280-12120-D-3-D MS		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	280-12120-D-3-D MS		280-52119	280-51621	02/05/2011 05:45	1	TAL DEN	DW

Lab ID: **280-12120-3 MSD** **Client ID:** **NPW**

Sample Date/Time: 01/28/2011 12:35 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:8151A	280-12120-D-3-E MSD		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	280-12120-D-3-E MSD		280-52119	280-51621	02/05/2011 06:06	1	TAL DEN	DW

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **280-12120-4** **Client ID:** **SPE**

Sample Date/Time: 01/28/2011 11:50 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	280-12120-H-4-B		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	280-12120-H-4-B		280-51993	280-51744	02/04/2011 23:18	1	TAL DEN	DPI
P:5030B	280-12120-E-4-A		280-52031	280-51540	02/02/2011 14:18	1	TAL DEN	TEM
A:8015B	280-12120-E-4-A		280-52031	280-51540	02/04/2011 19:36	1	TAL DEN	DBG
P:3550C	280-12120-D-4-A		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	280-12120-D-4-A		280-52414	280-51572	02/08/2011 13:55	1	TAL DEN	MRB
P:3550C	280-12120-D-4-D		280-51905	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8081A	280-12120-D-4-D		280-51905	280-51578	02/04/2011 01:56	1	TAL DEN	BER
P:3550C	280-12120-D-4-D		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	280-12120-D-4-D		280-52195	280-51578	02/05/2011 00:02	1	TAL DEN	AMP
P:8151A	280-12120-D-4-E		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	280-12120-D-4-E		280-52119	280-51621	02/05/2011 06:28	1	TAL DEN	DW
P:3050B	280-12120-B-4-A		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-B-4-A		280-52048	280-51545	02/04/2011 17:55	1	TAL DEN	HEB
P:3050B	280-12120-B-4-A		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-B-4-A		280-52099	280-51545	02/05/2011 11:54	1	TAL DEN	HEB
P:7471A	280-12120-D-4-F		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	280-12120-D-4-F		280-52221	280-51712	02/07/2011 15:07	1	TAL DEN	KS
A:Moisture	280-12120-D-4		280-51458		02/02/2011 14:00	1	TAL DEN	PBB

Lab ID: **280-12120-4 MS** **Client ID:** **SPE**

Sample Date/Time: 01/28/2011 11:50 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-12120-D-4-B MS		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	280-12120-D-4-B MS		280-52414	280-51572	02/08/2011 14:30	1	TAL DEN	MRB

Lab ID: **280-12120-4 MSD** **Client ID:** **SPE**

Sample Date/Time: 01/28/2011 11:50 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	280-12120-D-4-C MSD		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	280-12120-D-4-C MSD		280-52414	280-51572	02/08/2011 15:05	1	TAL DEN	MRB

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **280-12120-5** **Client ID:** **SPW**

Sample Date/Time: 01/28/2011 11:55 Received Date/Time: 02/02/2011 10:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	280-12120-F-5-B		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	280-12120-F-5-B		280-51993	280-51744	02/04/2011 23:37	1	TAL DEN	DPI
P:5030B	280-12120-E-5-A		280-52031	280-51540	02/02/2011 14:18	1	TAL DEN	TEM
A:8015B	280-12120-E-5-A		280-52031	280-51540	02/04/2011 20:08	1	TAL DEN	DBG
P:3550C	280-12120-D-5-A		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	280-12120-D-5-A		280-52414	280-51572	02/08/2011 15:40	1	TAL DEN	MRB
P:3550C	280-12120-D-5-B		280-51905	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8081A	280-12120-D-5-B		280-51905	280-51578	02/04/2011 02:13	1	TAL DEN	BER
P:3550C	280-12120-D-5-B		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	280-12120-D-5-B		280-52195	280-51578	02/05/2011 00:23	1	TAL DEN	AMP
P:8151A	280-12120-D-5-C		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	280-12120-D-5-C		280-52119	280-51621	02/05/2011 06:49	1	TAL DEN	DW
P:3050B	280-12120-A-5-A		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-5-A		280-52048	280-51545	02/04/2011 17:58	1	TAL DEN	HEB
P:3050B	280-12120-A-5-A		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	280-12120-A-5-A		280-52099	280-51545	02/05/2011 11:57	1	TAL DEN	HEB
P:7471A	280-12120-D-5-D		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	280-12120-D-5-D		280-52221	280-51712	02/07/2011 15:09	1	TAL DEN	KS
A:Moisture	280-12120-D-5		280-51458		02/02/2011 14:00	1	TAL DEN	PBB

Lab ID: **MB** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	MB 280-51744/1-A		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	MB 280-51744/1-A		280-51993	280-51744	02/04/2011 21:03	1	TAL DEN	DPI
P:5030B	MB 280-51540/3-A		280-52031	280-51540	02/02/2011 13:58	1	TAL DEN	TEM
A:8015B	MB 280-51540/3-A		280-52031	280-51540	02/04/2011 14:31	1	TAL DEN	DBG
P:3550C	MB 280-51572/1-A		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	MB 280-51572/1-A		280-52414	280-51572	02/08/2011 10:58	1	TAL DEN	MRB
P:3550C	MB 280-51578/1-A		280-51905	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8081A	MB 280-51578/1-A		280-51905	280-51578	02/03/2011 16:18	1	TAL DEN	BER
P:3550C	MB 280-51578/1-A		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	MB 280-51578/1-A		280-52195	280-51578	02/04/2011 21:32	1	TAL DEN	AMP
P:8151A	MB 280-51621/1-A		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	MB 280-51621/1-A		280-52119	280-51621	02/05/2011 03:35	1	TAL DEN	DW
P:3050B	MB 280-51545/1-A		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	MB 280-51545/1-A		280-52048	280-51545	02/04/2011 17:33	1	TAL DEN	HEB
P:3050B	MB 280-51545/1-A		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	MB 280-51545/1-A		280-52099	280-51545	02/05/2011 11:33	1	TAL DEN	HEB
P:7471A	MB 280-51712/1-A		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	MB 280-51712/1-A		280-52221	280-51712	02/07/2011 14:46	1	TAL DEN	KS

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **LB2** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LB2 280-52571/1-B		280-53077	280-52709	02/11/2011 08:00	1	TAL DEN	JRH
A:6010B	LB2 280-52571/1-B		280-53077	280-52709	02/11/2011 19:22	1	TAL DEN	HEB

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCS 280-51744/2-A		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	LCS 280-51744/2-A		280-51993	280-51744	02/04/2011 21:23	1	TAL DEN	DPI
P:5030B	LCS 280-51540/1-A		280-52031	280-51540	02/02/2011 13:58	1	TAL DEN	TEM
A:8015B	LCS 280-51540/1-A		280-52031	280-51540	02/04/2011 13:26	1	TAL DEN	DBG
P:3550C	LCS 280-51572/2-A		280-52414	280-51572	02/02/2011 16:50	1	TAL DEN	TJA
A:8015B	LCS 280-51572/2-A		280-52414	280-51572	02/08/2011 11:33	1	TAL DEN	MRB
P:3550C	LCS 280-51578/2-A		280-51905	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8081A	LCS 280-51578/2-A		280-51905	280-51578	02/03/2011 14:06	1	TAL DEN	BER
P:3550C	LCS 280-51578/3-A		280-52195	280-51578	02/02/2011 17:55	1	TAL DEN	TJA
A:8082	LCS 280-51578/3-A		280-52195	280-51578	02/04/2011 21:53	1	TAL DEN	AMP
P:8151A	LCS 280-51621/2-A		280-52119	280-51621	02/03/2011 11:30	1	TAL DEN	JCV
A:8151A	LCS 280-51621/2-A		280-52119	280-51621	02/05/2011 03:57	1	TAL DEN	DW
P:3050B	LCS 280-51545/2-A		280-52048	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	LCS 280-51545/2-A		280-52048	280-51545	02/04/2011 17:36	1	TAL DEN	HEB
P:3050B	LCS 280-51545/2-A		280-52099	280-51545	02/03/2011 07:00	1	TAL DEN	KMN
A:6010B	LCS 280-51545/2-A		280-52099	280-51545	02/05/2011 11:35	1	TAL DEN	HEB
P:3010A	LCS 280-52571/2-B		280-53077	280-52709	02/11/2011 08:00	1	TAL DEN	JRH
A:6010B	LCS 280-52571/2-B		280-53077	280-52709	02/11/2011 19:24	1	TAL DEN	HEB
P:7471A	LCS 280-51712/2-A		280-52221	280-51712	02/07/2011 12:05	1	TAL DEN	KS
A:7471A	LCS 280-51712/2-A		280-52221	280-51712	02/07/2011 14:48	1	TAL DEN	KS

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	LCSD 280-51744/3-A		280-51993	280-51744	02/03/2011 13:43	1	TAL DEN	KAJ
A:8260B	LCSD 280-51744/3-A		280-51993	280-51744	02/04/2011 21:42	1	TAL DEN	DPI
P:5030B	LCSD 280-51540/2-A		280-52031	280-51540	02/02/2011 13:58	1	TAL DEN	TEM
A:8015B	LCSD 280-51540/2-A		280-52031	280-51540	02/04/2011 13:59	1	TAL DEN	DBG

Client: Waste Management

Job Number: 280-12120-1

Laboratory Chronicle

Lab ID: **MS** **Client ID:** **N/A**

Sample Date/Time: 02/07/2011 11:25 Received Date/Time: 02/09/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-12327-A-1-H MS		280-53077	280-52709	02/11/2011 08:00	1	TAL DEN	JRH
A:6010B	280-12327-A-1-H MS		280-53077	280-52709	02/11/2011 19:31	1	TAL DEN	HEB

Lab ID: **MSD** **Client ID:** **N/A**

Sample Date/Time: 02/07/2011 11:25 Received Date/Time: 02/09/2011 09:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-12327-A-1-I MSD		280-53077	280-52709	02/11/2011 08:00	1	TAL DEN	JRH
A:6010B	280-12327-A-1-I MSD		280-53077	280-52709	02/11/2011 19:33	1	TAL DEN	HEB

Lab References:
TAL DEN = TestAmerica Denver

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 0.6 FP 2/2/11

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client: AECOM	Project Manager: Frank Cioffi	Date: 1/31/11	Chain of Custody Number: 139210
Address: 1001 Bishop Suite 1600	Telephone Number (Area Code)/Fax Number: 808-523-8874	Lab Number	Page 1 of 1
City: Honolulu; State: Hi; Zip Code: 96813	Site Contact: John Fong	Lab Contact: Betsy Sara	
Project Name and Location (State): WGSL Sediment Sampling	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): VOCs, TPH-GRO, TPH-DRO/MO

Special Instructions/ Conditions of Receipt: PRL

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Methanol	VOCs	TPH-GRO	TPH-DRO/MO
DP	1/28/11	1107			✓			3						1	✓	✓	✓
NPE	1/28/11	1230			✓			3						1	✓	✓	✓
NPW	1/28/11	1235			✓			3						1	✓	✓	✓
SPE	1/28/11	1150			✓			3						1	✓	✓	✓
SPW	1/28/11	1155			✓			3						1	✓	✓	✓

PRL

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Pete LaPlaca	1/31/11	1000	1. Received By:	2/2/11	1015
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Sampler ID _____

Temperature on Receipt 4.0 FP 2/2/11

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client	Project Manager	Date	Chain of Custody Number
AECOM	Frank Cioffi	1/31/11	139209
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1001 Bishop St Suite 1600	808-523-8874		

City	State	Zip Code	Site Contact	Lab Contact
Honolulu	Hi	96813	John Fong	Betsy Sara

Project Name and Location (State): WGSL Sediment Sampling

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.:

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RCRA Metals	PCBs	Pesticides	Herbicides	Moisture Cont.							Special Instructions/ Conditions of Receipt
DP	1/28/11	1107			✓			4						✓	✓	✓	✓	✓							
NPE	1/28/11	1230			✓			4						✓	✓	✓	✓	✓							
NPW	1/28/11	1235			✓			4						✓	✓	✓	✓	✓							
SPE	1/28/11	1150			✓			4						✓	✓	✓	✓	✓							
SPW	1/28/11	1155			✓			4						✓	✓	✓	✓	✓							

PQL

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Pete LaPlaca	1/31/11	1000	1. Received By		
2. Relinquished By			2. Received By: [signature]	2/2/11	1015
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Check List

Client: Waste Management

Job Number: 280-12120-1

Login Number: 12120

List Source: TestAmerica Denver

Creator: Paulsen, Lindsay T

List Number: 2

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	1/4 8 OZ JARS FOR SAMPLE SPE WAS RECEIVED BROKEN
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	