Riverbend Landfill Company
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April 1, 2014

Mr. Bob Schwartz
Oregon Department of Environmental Quality
400 E. Scenic Drive, Ste, 307
The Dalles, OR 97058

Subject: Soil Assessment of Module 8A Leachate Seep Drainage Area, Riverbend Landfill, McMinnville, Oregon

Dear Mr. Schwartz:

The attached document presents the results of an assessment to evaluate shallow soils in response to a leachate seep that occurred on February 10, 2014, on the side-slope of Module 8A at the Riverbend Landfill in McMinnville, Oregon. SCS Engineers (SCS) conducted the assessment at the request of Riverbend Landfill Company (RLC). Soil data were compared to conservative screening level values for relevant human health exposure pathways to assess potential human health risks. Results from this assessment are as follows:

- The assessment results show that the February 10 seep did not identify any risks from shallow soils to site workers or ecological receptors.
- Results also suggest that the shallow soils do not pose a risk to shallow localized groundwater.

Should you have any questions or comments, please do not hesitate to contact me at (602) 757-3352.

Sincerely,
Riverbend Landfill Company

Jim Denson
Environmental Protection Manager

Attachments: Soil Assessment of Module 8A Leachate Seep Drainage Area

CC (w/enclosure): Lissa Druback, DEQ
Paul Burns, Jeff O'Leary, Jim Obereiner (WM)

Environmental Consultants
and Contractors

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SCS ENGINEERS

April 1, 2014
File No. 04214014.00

Mr. Jim Denson
Waste Management
7227 NE 55th Ave.
Portland, OR 97218

Subject: Shallow Soil Assessment of Module 8A Leachate Seep Drainage Area, Riverbend Landfill, McMinnville, Oregon

Dear Mr. Denson:

This letter presents the results of an assessment to evaluate shallow soils in response to a leachate seep that occurred on February 10, 2014, on the side-slope of Module 8A at the Riverbend Landfill in McMinnville, Oregon. The approximate locations of the leachate seep, flow path, and assessment area are shown in the attached site maps (Figures 1 and 2). SCS Engineers (SCS) conducted the assessment at the request of Riverbend Landfill Company (RLC).

The scope of the work was to collect and analyze shallow soil samples within the seep flow path area to evaluate the nature of potential impacts to shallow soil. Soil data were compared to conservative screening level values for relevant human health exposure pathways to assess potential human health risks. In addition, at the request of the Oregon Department of Environmental Quality (DEQ, 2014)[1], potential ecological exposure risks were evaluated by comparing the data to the 2001 Level II Soil Screening Level Values (SLVs) published in the DEQ Guidance for Ecological Risk Assessment: Levels I, II, III, IV. Field work was completed on March 10, 2014, in general accordance with the soil assessment work plan (SCS 2014)[2].

BACKGROUND & APPROACH

RLC reported that on February 10, 2014, its on-site personnel discovered a leachate seep on the north side of landfill Module 8A (see Figures 1 and 2). The combined flow of the discovered seep and resultant snowmelt moved down the side-slope, across a former access road, and into an adjacent low-lying area blanketed with approximately 11 inches of accumulated snow. RLC immediately implemented corrective actions that included construction of a bermed collection area and sump to contain and remove the seep/snowmelt flow. Once contained, RLC employed vacuum trucks and pumps to collect the pooled liquid.

[1] Department of Environmental Quality (DEQ), 2014, Email (re: Riverbend Landfill Soil Impact Assessment Work Plan) from Bob Schwarz, DEQ, The Dalles, Oregon to Jim Denson, Waste Management, Portland, Oregon, March 6.

[2] SCS Engineers (SCS), 2014,– Module 8 Leachate Seep Drainage Area Soil Impact Assessment Work Plan, Riverbend Landfill, McMinnville, Oregon, (revised from February 10, 2014 version), prepared for Riverbend Landfill Company, by SCS, Portland, Oregon, March 7.

Based on SCS observations during an initial site visit on February 24, 2014, SCS confirmed that the combined seep/snowmelt flow initially traveled along an access road for approximately 300 feet before moving north into a low-lying, relatively flat area, and then towards the unnamed creek approximately 280 feet north of the landfill (see Figure 2). The soil berm constructed to contain the liquid located in the low-lying flat area created a bermed pooling area.

The focus of this assessment was to evaluate the shallow soil conditions of the following potentially impacted areas along the seep's flow path (see Figure 2):

- Along the former access road (sample locations SS-01 through SS-03).
- In the bermed containment area (sample locations SS-04 through SS-10).
- Upstream and downstream of a temporary soil berm (sample locations SS-11 and SS-12).

For the purpose of the risk evaluation, it was assumed that commercial/industrial workers and future excavation workers could come into direct contact with the potentially-impacted soils. Because groundwater was expected to be present at approximately 3 to 5 feet below ground surface (bgs), subsurface soil samples (i.e., samples defined as deeper than 3 feet bgs, per DEQ Human Health Risk Assessment Guidance [DEQ 2010])[3] were not considered for further risk assessment.

FIELD SAMPLING

SCS field staff performed the soil sampling on March 10, 2014. Fifteen soil samples were collected from 12 locations (approximate locations shown in Figure 2). During field sampling on March 10, 2014, near-surface soil samples (between 0.0 to 0.5 feet bgs) were collected at all sample locations. Groundwater was encountered at approximately one foot bgs at all but three sample locations (SS-01, SS-02, and SSB-03), which prevented the 2.5-to-3-foot samples from being collected at those locations (i.e., SS-04 to SS-12; see Figure 2). Consequently, at SS-01, SS-02, and SS-03, shallow soil samples were also collected from 2.5 to 3.0 feet bgs, as described in the March 2014 soil assessment work plan (SCS, 2014[2]).

[3] Oregon Department of Environmental Quality (DEQ) 2010, Human Health Risk Assessment Guidance, Oregon Department of Environmental Quality Environmental Cleanup Program, October 2010.

Soil samples were collected using a clean, decontaminated, stainless steel trowel or slide hammer with 3-foot probe extension. The samples were placed in laboratory supplied jars, stored in an iced cooler and transported to TestAmerica Laboratories (TestAmerica) in Arvada, Colorado, for analytical testing. Each sample was tested for the following compounds:

- Volatile Organic Compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260b.
- Semivolatile Organic Compounds (SVOCs) using EPA Method 8270.
- Mercury using EPA Method 7471a.
- Cyanide using EPA Method 9012a.
- Nitrite using EPA Method 9056.

An equipment rinsate blank (EB1) was collected as a quality assurance/quality control (QA/QC) sample and was tested for the same parameters as the soil samples.

Soil samples collected in the low-lying, bermed containment area (SS-07 through SS-12, see Figure 2) were soft silts, silty clays, and/or clays. Soil samples collected in areas near and along the former access road were similar but more firm (SS-01 through SS-06).

ANALYTICAL RESULTS & RISK EVALUATION

The analytical results of detected constituents are presented in Table 1[4]. Table 1 also provides a comparison of the soil data to conservative, regulatory screening level values (SLVs).

With the single exception of mercury detected in sample SS-01 (2.5 - 3.0 feet bgs), all detected chemical concentrations were below both the human health and ecological SLVs presented in Table 1. The mercury concentration in the SS-01 sample (0.23 mg/kg) slightly exceeded the Level II ecological SLV of 0.1 mg/kg. All other mercury concentrations from the remaining 14 soil samples were an order of magnitude below the ecological SLV (see Table 1). It is also noteworthy that the mercury concentration measured in SS-01 sample collected between 0.0 to 0.5 bgs was an order of magnitude below the SLV. Both of these findings suggest the source of the mercury detected in the deeper sample is not related to the leachate seep.

Since groundwater was encountered at approximately one foot bgs, the soil data summarized in Table 1 were also screened against state or federal SLVs, which are protective of groundwater potentially impacted by chemicals leaching from soil (i.e., the leaching-to-groundwater SLVs). With the exception of 2-hexanone, all detected chemical concentrations were below leaching-to-groundwater SLVs presented in Table 1. The estimated concentrations of 2-hexanone detected in

[4] Not included in Table 1 are the results of the rinsate equipment blank sample because no constituents were detected above method detection limits in that QA/QC sample.

the following samples only slightly exceeded the leaching-to-groundwater SLV of 0.0079 mg/kg: (1) SS-01 sample collected between 0.0 to 0.5 feet bgs (2-hexanone detected at 0.010 mg/kg); (2) SS-01 sample collected between 2.5 to 3.0 feet bgs (2-hexanone detected at 0.011 mg/kg); and (3) SS-12 sample collected between 0.0 to 0.5 feet bgs (2-hexanone detected at 0.018 mg/kg).

All 2-hexanone analytical results are qualified as estimated (*J qualifier*) because the detected concentrations were below the method reporting limit (but above the method detection limit).

SUMMARY & CONCLUSIONS

SCS completed an assessment of shallow soil conditions along the flow path of a February 10, 2014 seep generally consistent with the DEQ approved work plan (SCS 2014). Results from this assessment did not identify any significant soil impacts related to the leachate seep as evidenced by the following:

- Analytical results indicate that shallow soils along the flow path of the seep do not pose a significant risk to industrial/occupational workers or ecological receptors. All but a single analytical mercury result from 15 samples were below risk-based SLVs for both industrial/occupational workers and ecological receptors. As previously noted, the mercury concentration detected in the SS-01 deeper sample collected at 2.5 to 3.0 feet bgs, slightly exceeded an ecological SLV. The mercury concentration measured in sample SS-01 at the ground surface (0.0 to 0.5 bgs) was an order of magnitude below the SLV suggesting that the exceedance is not related to the leachate seep. It should be noted that because all downstream mercury concentrations were significantly below the ecological SLV and the single mercury exceedance in the SS-01 sample does not pose a likely risk to the nearby unnamed creek (see Figure 2).

- Analytical results suggest that, based on groundwater protection (leaching to groundwater) SLVs, shallow soils along the flow path are not a significant risk to localized shallow groundwater. With the exception of estimated concentrations of 2-hexanone in three soil samples, all detected chemical concentrations were below the leaching-to-groundwater SLVs presented in Table 1. It is noteworthy that the detections of 2-hexanone were just slightly above the conservative SLV for leaching to groundwater.

SCS ENGINEERS

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Senior Project Manager
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Louis Caruso.
Vice President/Project Director
(503) 639-9208

Attachments: Table 1 – Analytical Resuls
Figure 1 – Site Plan
Figure 2 – Seep Flow Path and Soil Sampling Locations
Attachment 1: Laboratory Analytical Reports

cc/att: Jim Obereiner, WM

Table

Table 1
Summary of Detected Parameter Concentrations
in Soil Assessment Samples
Riverbend Landfill

Soil Sample	Soil Sample Depth (ft bgs)	Date Collected	VOCs							SVOCs													OTHER COMPOUNDS		
			2-Butanone (MEK)	2-Hexanone	4-Isopropyl-toluene	4-Methyl-2-pentanone	Acetone	Methylene Chloride	Toluene	3 & 4 Methyl-phenol	Acetophenone	Benzo(a) pyrene	Benzo(b)-fluoranthene	Benzo[g,h,i]-perylene	Bis(2-ethyl-hexyl)phthalate	Chrysene	Cresols (Total)	Dimethyl phthalate	Fluoranthene	Phenanthrene	Phenol	Pyrene	Cyanide (Total)	Nitrite	Mercury (Total)
			(mg/Kg)							(mg/Kg)													(mg/Kg)		
Human Health Screening Levels [a]			200,000	1,400	NA	53,000	630,000	960	24,000	NA	100,000	0.27	2.7	NA	150 (>Csat)	250 (>Csat)	62,000	NA	8,900 (>Csat)	NA	180,000	6,700 (>Csat)	190 [d]	100,000	93
Ecological Screening Levels [b]			200,000	NA	NA	NA	1,250	730	200	NA	NA	125	NA	NA	4.5	1.29	NA	200	NA	NA	30	1.52	NA	NA	0.1
Groundwater Protection Screening Levels [c]			NA	0.0079	NA	0.23	2.4	0.038	140	NA	0.45	0.90	4.0	NA	140	>Csat	1.2	NA	>Csat	NA	2.6	>Csat	88	NA	NA
SS-01	0.0 to 0.5	10-Mar-14	0.21	***0.010*** J	0.00150 J	0.0060 J	0.61	0.0017 U	0.00072 U	0.28 J	0.019 U	0.021 J	0.024 U	0.017 J	0.67	0.025 U	0.28 J	0.028 J	0.034 U	0.025 J	0.350	0.048 J	0.24 J	0.32 U	0.030
	2.5 to 3.0	10-Mar-14	0.46	***0.011*** J	0.00054 U	0.0066 J	0.49	0.0020 J,B	0.00160 J	0.042 J	0.020 U	0.020 U	0.026 U	0.016 U	0.046 U	0.027 U	0.042 J	0.52 B	0.036 U	0.017 U	0.018 U	0.012 U	0.25 J	0.32 U	***0.230***
SS-02	0.0 to 0.5	10-Mar-14	0.35	0.0059 U	0.00059 U	0.0053 U	0.78	0.0022 J,B	0.00084 U	0.086 J	0.020 U	0.020 U	0.026 U	0.016 U	0.10 J	0.027 U	0.086 J	0.05 J	0.036 U	0.017 U	0.073 J	0.012 U	0.17 J	0.33 U	0.027
	2.5 to 3.0	10-Mar-14	0.16	0.0049 U	0.00049 U	0.0044 U	0.14	0.0016 U	0.00070 U	0.032 U	0.020 U	0.020 U	0.026 U	0.016 U	0.045 U	0.026 U	0.013 U	0.55 B	0.035 U	0.017 U	0.018 U	0.012 U	0.21 J	0.32 U	0.014 J
SS-03	0.0 to 0.5	10-Mar-14	0.0021 U	0.0055 U	0.00055 U	0.0049 U	0.0061 U	0.0018 U	0.00078 U	0.033 U	0.020 U	0.020 U	0.026 U	0.016 U	0.085 J	0.027 U	0.013 U	0.025 J	0.036 U	0.017 U	0.018 U	0.012 U	0.14 J	0.32 U	0.024
	2.5 to 3.0	10-Mar-14	0.0022 U	0.0059 U	0.00060 U	0.0053 U	0.0065 U	0.0019 U	0.00084 U	0.047 J	0.020 U	0.020 U	0.026 U	0.016 U	0.049 J	0.026 U	0.047 J	0.28 J,B	0.035 U	0.017 U	0.018 U	0.014 J	0.0002 J	0.32 U	0.026
SS-04	0.0 to 0.5	10-Mar-14	0.0024 J	0.0056 U	0.00056 U	0.0050 U	0.0075 J	0.0023 J,B	0.00079 U	0.076 J	0.020 U	0.020 U	0.026 U	0.016 U	0.0096 J	0.027 U	0.0076 J	0.0059 J	0.036 U	0.017 U	0.140 J	0.012 U	0.18 J	0.32 U	0.027
SS-05	0.0 to 0.5	10-Mar-14	0.15	0.0079 J	0.00082 J	0.0045 J	0.51	0.0015 U	0.00065 U	0.41	0.091 U	0.091 U	0.120 U	0.073 U	0.38	0.120 U	0.41	0.100 U	0.160 U	0.078 U	0.440	0.098 J	0.27 J	0.33 U	0.043
SS-06	0.0 to 0.5	10-Mar-14	1.10	0.220 U	0.032 U	0.230 U	0.78 J	0.070 U	0.0390 U	0.50	0.019 U	0.019 U	0.025 U	0.015 U	0.086 J	0.026 U	0.50	0.042 J	0.034 U	0.016 U	0.190 J	0.020 J	0.14 J	0.33 U	0.039
SS-07	0.0 to 0.5	10-Mar-14	0.70	0.006 J	0.00051 U	0.0046 U	0.50	0.0017 U	0.00072 U	0.040 J	0.020 U	0.020 U	0.026 U	0.016 U	0.099 J	0.027 U	0.04 J	0.072 J	0.035 U	0.017 U	0.110 J	0.020 J	0.14 J	0.33 U	0.037
SS-08	0.0 to 0.5	10-Mar-14	0.17	0.0047 U	0.00053 J	0.0042 U	0.18 B	0.0015 U	0.00066 U	0.035 J	0.020 U	0.020 U	0.037 J	0.022 J	0.14 J	0.032 J	0.035 J	0.14 J	0.041 J	0.038 J	0.095 J	0.067 J	0.12 J	0.32 U	0.055
SS-09	0.0 to 0.5	10-Mar-14	0.25	0.0073 J	0.00051 J	0.0045 U	0.26	0.0017 U	0.00072 U	0.030 U	0.018 U	0.018 U	0.024 U	0.015 U	0.083 J	0.025 U	0.012 U	0.04 J	0.033 U	0.016 U	0.016 U	0.015 J	0.17 J	0.33 U	0.034
SS-10	0.0 to 0.5	10-Mar-14	0.0018 U	0.0048 U	0.00048 J	0.0043 U	0.0053 U	0.0016 U	0.00068 U	0.032 U	0.020 U	0.020 U	0.026 U	0.016 U	0.075 J	0.026 U	0.013 U	0.075 J	0.035 U	0.017 U	0.018 U	0.012 U	0.15 J	0.33 U	0.030
SS-11	0.0 to 0.5	10-Mar-14	2.20	0.220 U	0.032 U	0.220 U	1.50	0.069 U	0.0390 U	0.33	0.028 J	0.020 U	0.026 U	0.016 J	0.094 J	0.027 U	0.33	0.023 U	0.036 U	0.022 J	0.320 J	0.035 J	0.21 J	0.32 U	0.029
SS-12	0.0 to 0.5	10-Mar-14	0.88	***0.018 J***	0.00059 U	0.0053 U	0.70	0.0019 U	0.00083 U	0.049 J	0.019 U	0.019 U	0.024 U	0.015 U	0.043 U	0.025 U	0.05 J	0.061 J	0.034 U	0.016 U	0.094 J	0.011 U	0.24 J	0.32 U	0.028

Notes:
B = analyte detected in the associated method blank sample
ft bgs = feet below ground surface
J = estimated concentration detected below the reporting limits but above the method detection limit
NA = screening level value not available.
SVOCs = semivolatile organic compounds
U = not detected at or above the method detection limit
VOCs = volatile organic compounds
(>Csat) = Exceeds the limit of three-phase partitioning. Soil concentrations in excess of Csat indicate that free product might be present.

[a] Represents the most stringent soil screening level for occupational, construction worker, and excavation worker receptors from the Oregon Department of Environmental Quality (DEQ) Risk Based Concentrations (RBCs), revision June 7, 2012. In the absence of a DEQRBC, the industrial soil screening level from USEPA Regional Screening Levels, USEPA May 2013 are shown.

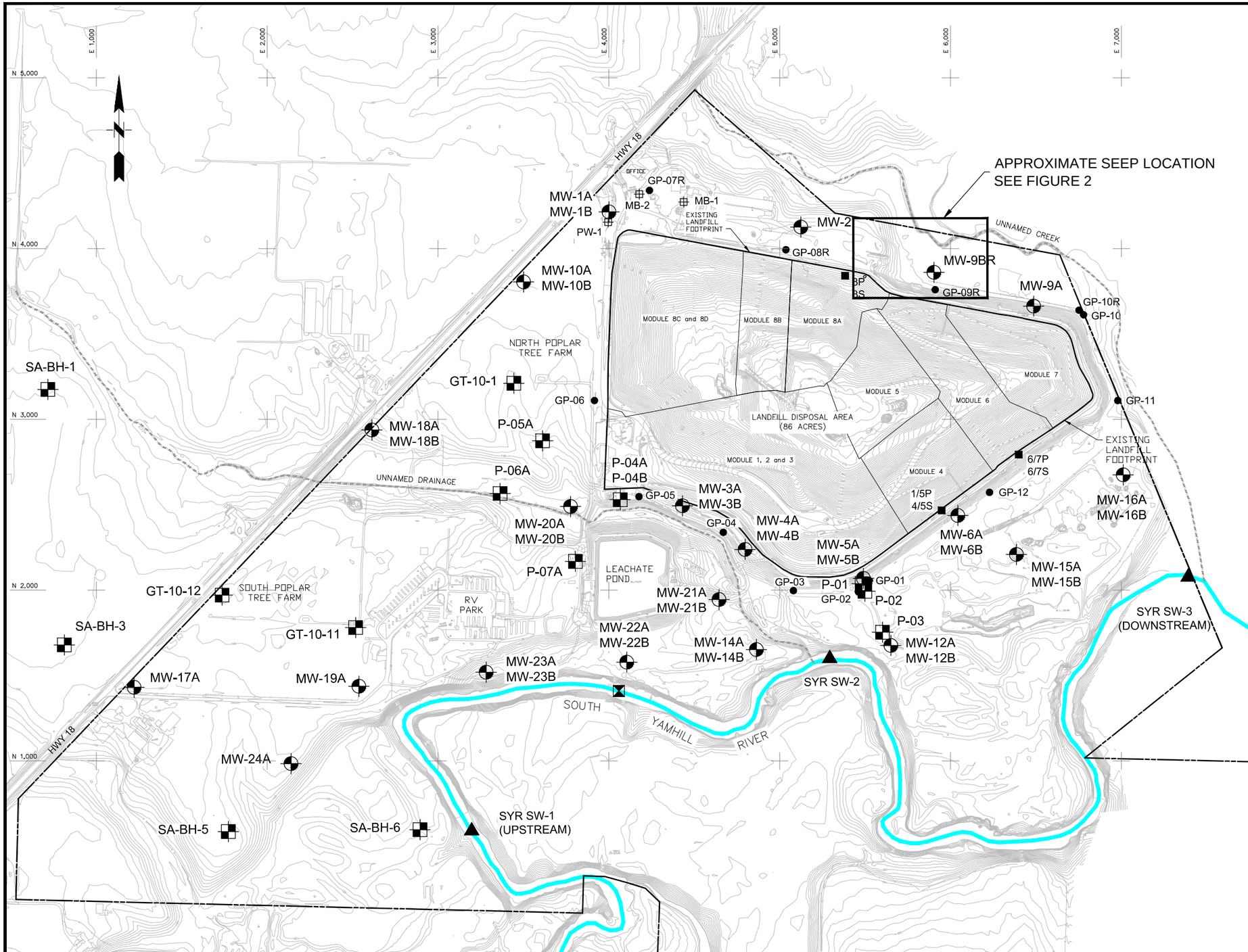
[b] Represents the most stringent soil screening level for ecological receptors from the DEQ Guidance for Ecological Risk Assessment Level II Screening Level Values (SLVs). In the absence of Level II SLVs, the sediment SLVs from the Portland Harbor Joint Source Control Strategy document, Table 3-1, dated July 16, 2007, are shown.

[c] Represents the most stringent soil screening level (residential) for leaching to groundwater DEQ RBCs, revision June 7, 2012. In the absence of a DEQ RBC, the protection of groundwater screening levels from USEPA Regional Screening Levels, USEPA May 2013 are shown.

[d] Based on hydrogen cyanide RBC from the DEQ RBCs, revision June 7, 2012.

Values shown in ***bold, italized*** text represent concentrations detected above a screening level.

Figures



LEGEND:

- Topographic Contours (Surveyed)
- Topographic Contours (USGS)
- Property Boundary
- Flow Line - Yamhill River
- Flow Line - Tributary Stream
- MW-19A — Groundwater Monitoring Well
- P-05A — Piezometer
- MB-2 — On-Site Water Well
- South Yamhill River Gauging Station
- GP-11 — Landfill Gas Monitoring Probe
- 6/7P 6/7S — LCRS and LSCS Monitoring Location
- SYR SW-1 — South Yamhill River Sampling Location (Approximate)

SOURCE:

1) Existing contours based on aerial topography provided by Aero-Metric, flown on February 15, 2013. Contours are based on NAVD 88.

2) Horizontal Datum: Assumed
Iron pipe at scale house = N4000.000 E4000.000
Iron pipe at maintenance building = N2825.685 E4000.000

NOTES:

1) Monitoring wells and piezometers with "A" designation are screened in the shallow (Silt-Clay) water-bearing zone, and monitoring wells and piezometers with "B" designation are screened in the deeper (Sand-Gravel) water-bearing zone.

2) Piezometers with "GT" and "SA-BH" designations are screened in the shallow (Silt-Clay) water-bearing zone.

3) Leachate Collection and Removal System (LCRS) monitoring locations are identified by a "P" designation and Leachate Secondary Containment System (LSCS) monitoring locations are identified with a "S" designation.

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0 600 1200
SCALE IN FEET

PROJECT NO.	DES BY
04208022.14	GDB
SCALE	CHK BY
1"=600'	J.D.
CAD FILE	APP BY
FIGURE 1	T.B.

SITE PLAN

RIVERBEND LANDFILL
McMINNVILLE, OREGON

DATE FEBRUARY 2014

FIGURE 1

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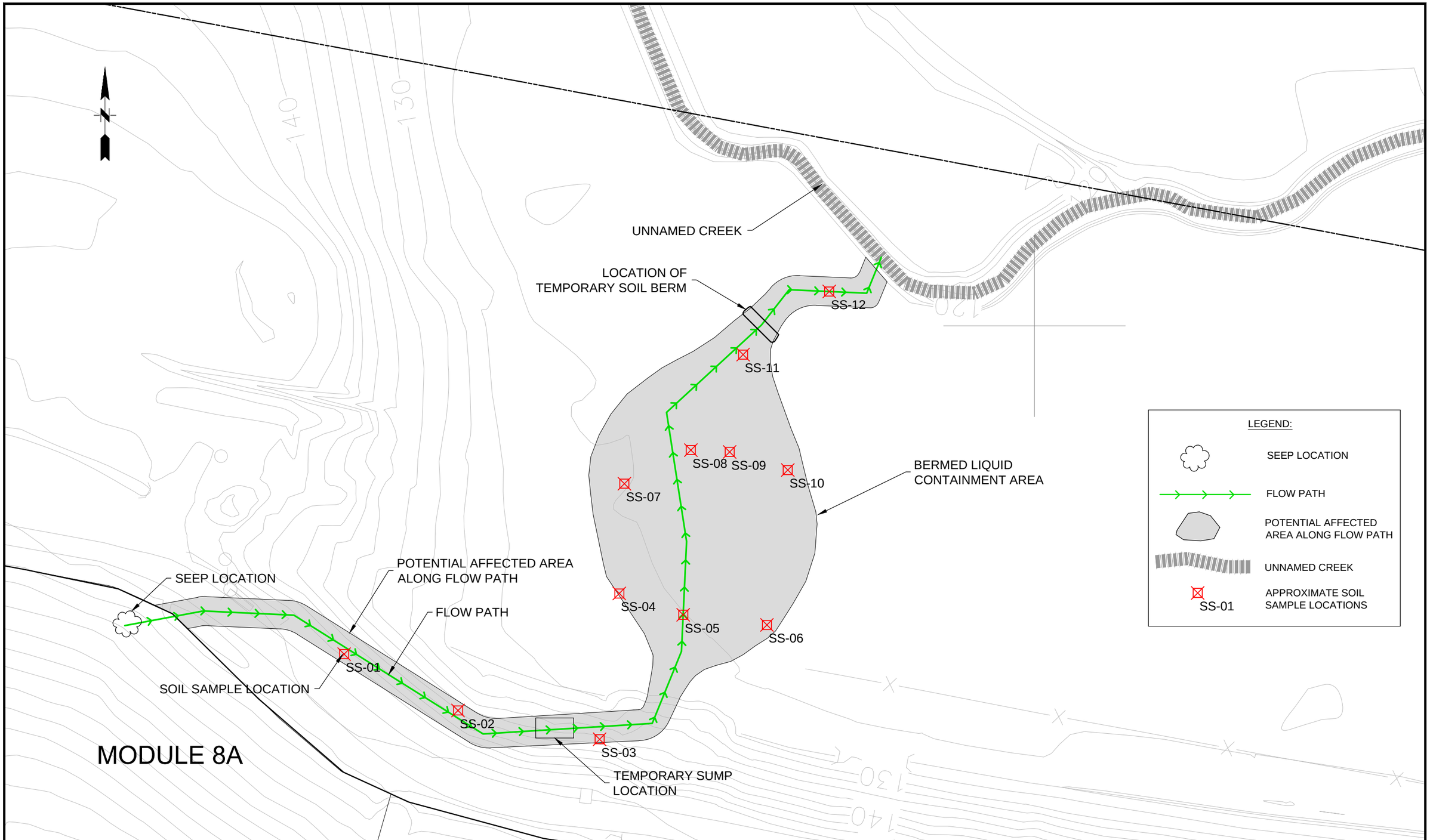

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SCALE IN FEET

PROJECT NO. 04208022.14	DES BY GDB
SCALE 1"=50'	CHK BY J.D.
CAD FILE FIGURE 2	APP BY T.B.

MODULE 8A SEEP LOCATION AND FLOW PATH

RIVERBEND LANDFILL
McMINNVILLE, OREGON

DATE MARCH 2014

FIGURE 2

ATTACHMENT 1

Laboratory Analytical Reports

ANALYTICAL REPORT

Job Number: 280-52916-1

Job Description: 1003|Riverbend Landfill SCS Engineers

For:
Waste Management
13469 SW Highway 18
McMinnville, OR 97128

Attention: Mr. Jeff O'Leary

Approved for release.
Betsy A Sara
Project Manager II
3/20/2014 9:50 AM

Betsy A Sara, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0189
betsy.sara@testamericainc.com
03/20/2014

cc: Ms. Tiffany Andrews
Mr. Jason Davendonis
Mr. Brian McMullen

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.

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CASE NARRATIVE

Client: Waste Management

Project: 1003|Riverbend Landfill SCS Engineers

Report Number: 280-52916-1

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 03/11/2014; the samples arrived properly preserved and on ice. The temperatures of the coolers at receipt were 1.2º C and 3.9º C.

One of three 4 oz jars for sample SS-05-0.0 to 0.5' was broken in transit. Sufficient sample remained to proceed with the requested analysis. The client was notified.

The 1 L amber container for the sample EB1 arrived half full. The laboratory proceeded with the 8270C analysis. Reporting limits were raised. The client was notified.

Holding Times

The holding times were met.

Method Blanks

Methylene Chloride (aqueous batch 216431), Naphthalene (solid batches 216793 and 216955) and Acetone (solid batch 216955) Method 8260B 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.

Methylene Chloride Method 8260B (solid batch 216793) was detected in the Method Blank above the project established reporting limit. Because the associated samples were non-detect above the reporting limits, corrective action was deemed unnecessary. Methylene Chloride is a common laboratory contaminant.

All other Method Blanks met method criteria.

Laboratory Control Samples (LCS)

All Laboratory Control Sample recoveries were within control limits.

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

Samples SS-02-0.0 TO 0.5' and SS-06-0.0 TO 0.5' were selected to fulfill the laboratory batch quality control requirements for Method 8260B. Analysis of the laboratory generated MS/MSD for these samples exhibited recoveries of multiple compounds below the lower control limits indicating the possible presence of a matrix interference. In addition, the RPD result was outside the RPD limits for multiple Method 8260B compounds.

The method required MS/MSD could not be performed for Method 8270C due to insufficient sample volume, however, a LCS/LCSD pair was analyzed to demonstrate method precision and accuracy.

The Matrix Spike and Matrix Spike Duplicate performed on a sample from another client exhibited recoveries outside control limits for Total Mercury Method 7470A. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

Sample SS-10-0.0 TO 0.5' was selected to fulfill the laboratory batch quality control requirements for Method 9012A. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Cyanide below the lower control limit indicating the possible presence of a matrix interference. In addition, the RPD result was outside the RPD limit for Total Cyanide.

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

Organics

The Method 8260B surrogate recoveries of 4-Bromofluorobenzene and/or Toluene-d8 were above control limits for samples SS-04-0.0 TO 0.5', SS-05-0.0 TO 0.5', SS-07-0.0 TO 0.5', SS-08-0.0 TO 0.5', SS-09-0.0 TO 0.5' and SS-10-0.0 TO 0.5'. Because the data are considered to be biased high and all Method 8260B target analytes in the samples were non-detect above the reporting limits, corrective action was deemed unnecessary.

The sample SS-05-0.0 TO 0.5' was diluted for Method 8270C due to the nature of the sample matrix. Elevated reporting limits (RLs) are provided.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-52916-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-52916-1	**SS-01-0.0 TO 0.5'**					
2-Butanone (MEK)		210		20	ug/Kg	8260B
2-Hexanone		10	J	20	ug/Kg	8260B
4-Isopropyltoluene		1.5	J	5.0	ug/Kg	8260B
4-Methyl-2-pentanone		6.0	J	20	ug/Kg	8260B
Acetone		610		20	ug/Kg	8260B
3 & 4 Methylphenol		280	J	330	ug/Kg	8270C
Benzo[a]pyrene		21	J	330	ug/Kg	8270C
Benzo[g,h,i]perylene		17	J	330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		670		330	ug/Kg	8270C
Cresols, Total		280	J	330	ug/Kg	8270C
Dimethyl phthalate		28	J	330	ug/Kg	8270C
Phenanthrene		25	J	330	ug/Kg	8270C
Phenol		350		330	ug/Kg	8270C
Pyrene		48	J	330	ug/Kg	8270C
Mercury		30		17	ug/Kg	7471A
Cyanide, Total		0.24	J	0.50	mg/Kg	9012A
280-52916-2	**SS-02-0.0 TO 0.5'**					
2-Butanone (MEK)		350		20	ug/Kg	8260B
Acetone		780		20	ug/Kg	8260B
Methylene Chloride		2.2	J B	5.0	ug/Kg	8260B
3 & 4 Methylphenol		86	J	330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		100	J	330	ug/Kg	8270C
Cresols, Total		86	J	330	ug/Kg	8270C
Dimethyl phthalate		50	J	330	ug/Kg	8270C
Phenol		73	J	330	ug/Kg	8270C
Mercury		27		17	ug/Kg	7471A
Cyanide, Total		0.17	J	0.50	mg/Kg	9012A
280-52916-3	**SS-03-0.0 TO 0.5'**					
Bis(2-ethylhexyl) phthalate		85	J	330	ug/Kg	8270C
Dimethyl phthalate		25	J	330	ug/Kg	8270C
Mercury		24		17	ug/Kg	7471A
Cyanide, Total		0.14	J	0.50	mg/Kg	9012A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-52916-1

Lab Sample ID	Client Sample ID					
Analyte		Result	Qualifier	Reporting Limit	Units	Method
280-52916-4	**SS-04-0.0 TO 0.5'**					
2-Butanone (MEK)		2.4	J	20	ug/Kg	8260B
Acetone		7.5	J	20	ug/Kg	8260B
Methylene Chloride		2.3	J B	5.0	ug/Kg	8260B
3 & 4 Methylphenol		76	J	330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		96	J	330	ug/Kg	8270C
Cresols, Total		76	J	330	ug/Kg	8270C
Dimethyl phthalate		59	J	330	ug/Kg	8270C
Phenol		140	J	330	ug/Kg	8270C
Mercury		27		17	ug/Kg	7471A
Cyanide, Total		0.18	J	0.50	mg/Kg	9012A
280-52916-5	**SS-05-0.0 TO 0.5'**					
2-Butanone (MEK)		150		20	ug/Kg	8260B
2-Hexanone		7.9	J	20	ug/Kg	8260B
4-Isopropyltoluene		0.82	J	5.0	ug/Kg	8260B
4-Methyl-2-pentanone		4.5	J	20	ug/Kg	8260B
Acetone		510		20	ug/Kg	8260B
3 & 4 Methylphenol		410		330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		380		330	ug/Kg	8270C
Cresols, Total		410		330	ug/Kg	8270C
Phenol		440		330	ug/Kg	8270C
Pyrene		98	J	330	ug/Kg	8270C
Mercury		43		17	ug/Kg	7471A
Cyanide, Total		0.27	J	0.50	mg/Kg	9012A
280-52916-6	**SS-06-0.0 TO 0.5'**					
2-Butanone (MEK)		1100		1000	ug/Kg	8260B
Acetone		780	J	1000	ug/Kg	8260B
3 & 4 Methylphenol		500		330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		86	J	330	ug/Kg	8270C
Cresols, Total		500		330	ug/Kg	8270C
Dimethyl phthalate		42	J	330	ug/Kg	8270C
Phenol		190	J	330	ug/Kg	8270C
Pyrene		20	J	330	ug/Kg	8270C
Mercury		39		17	ug/Kg	7471A
Cyanide, Total		0.14	J	0.50	mg/Kg	9012A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-52916-1

Lab Sample ID	Client Sample ID			Reporting		
Analyte		Result	Qualifier	Limit	Units	Method
280-52916-7	**SS-07-0.0 TO 0.5'**					
2-Butanone (MEK)		700		20	ug/Kg	8260B
2-Hexanone		6.0	J	20	ug/Kg	8260B
Acetone		500		20	ug/Kg	8260B
3 & 4 Methylphenol		40	J	330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		99	J	330	ug/Kg	8270C
Cresols, Total		40	J	330	ug/Kg	8270C
Dimethyl phthalate		72	J	330	ug/Kg	8270C
Phenol		110	J	330	ug/Kg	8270C
Pyrene		20	J	330	ug/Kg	8270C
Mercury		37		17	ug/Kg	7471A
Cyanide, Total		0.14	J	0.50	mg/Kg	9012A
280-52916-8	**SS-08-0.0 TO 0.5'**					
2-Butanone (MEK)		170		20	ug/Kg	8260B
4-Isopropyltoluene		0.53	J	5.0	ug/Kg	8260B
Acetone		180	B	20	ug/Kg	8260B
3 & 4 Methylphenol		35	J	330	ug/Kg	8270C
Benzo[b]fluoranthene		37	J	330	ug/Kg	8270C
Benzo[g,h,i]perylene		22	J	330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		140	J	330	ug/Kg	8270C
Chrysene		32	J	330	ug/Kg	8270C
Cresols, Total		35	J	330	ug/Kg	8270C
Dimethyl phthalate		140	J	330	ug/Kg	8270C
Fluoranthene		41	J	330	ug/Kg	8270C
Phenanthrene		38	J	330	ug/Kg	8270C
Phenol		95	J	330	ug/Kg	8270C
Pyrene		67	J	330	ug/Kg	8270C
Mercury		55		17	ug/Kg	7471A
Cyanide, Total		0.12	J	0.50	mg/Kg	9012A
280-52916-9	**SS-09-0.0 TO 0.5'**					
2-Butanone (MEK)		250		20	ug/Kg	8260B
2-Hexanone		7.3	J	20	ug/Kg	8260B
Acetone		260		20	ug/Kg	8260B
Bis(2-ethylhexyl) phthalate		83	J	330	ug/Kg	8270C
Dimethyl phthalate		40	J	330	ug/Kg	8270C
Pyrene		15	J	330	ug/Kg	8270C
Mercury		34		17	ug/Kg	7471A
Cyanide, Total		0.17	J	0.50	mg/Kg	9012A

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-52916-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-52916-10	**SS-10-0.0 TO 0.5'**					
Bis(2-ethylhexyl) phthalate		75	J	330	ug/Kg	8270C
Dimethyl phthalate		75	J	330	ug/Kg	8270C
Mercury		30		17	ug/Kg	7471A
Cyanide, Total		0.15	J	0.50	mg/Kg	9012A
280-52916-11	**SS-11-0.0 TO 0.5'**					
2-Butanone (MEK)		2200		1000	ug/Kg	8260B
Acetone		1500		1000	ug/Kg	8260B
3 & 4 Methylphenol		330		330	ug/Kg	8270C
Acetophenone		28	J	330	ug/Kg	8270C
Benzo[g,h,i]perylene		16	J	330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		94	J	330	ug/Kg	8270C
Cresols, Total		330		330	ug/Kg	8270C
Phenanthrene		22	J	330	ug/Kg	8270C
Phenol		320	J	330	ug/Kg	8270C
Pyrene		35	J	330	ug/Kg	8270C
Mercury		29		17	ug/Kg	7471A
Cyanide, Total		0.21	J	0.50	mg/Kg	9012A
280-52916-12	**SS-12-0.0 TO 0.5'**					
2-Butanone (MEK)		880		20	ug/Kg	8260B
2-Hexanone		18	J	20	ug/Kg	8260B
Acetone		700		20	ug/Kg	8260B
3 & 4 Methylphenol		49	J	330	ug/Kg	8270C
Cresols, Total		49	J	330	ug/Kg	8270C
Dimethyl phthalate		61	J	330	ug/Kg	8270C
Phenol		94	J	330	ug/Kg	8270C
Mercury		28		17	ug/Kg	7471A
Cyanide, Total		0.24	J	0.50	mg/Kg	9012A

METHOD SUMMARY

Client: Waste Management | Job Number: 280-52916-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Mercury (CVAA)	TAL DEN	SW846 7471A	
Preparation, Mercury	TAL DEN		SW846 7471A
Cyanide, Total and/or Amenable	TAL DEN	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL DEN		SW846 9012A
Anions, Ion Chromatography	TAL DEN	SW846 9056	
Deionized Water Leaching Procedure	TAL DEN		ASTM DI Leach
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL DEN		SW846 3520C
Mercury (CVAA)	TAL DEN	SW846 7470A	
Preparation, Mercury	TAL DEN		SW846 7470A
Anions, Ion Chromatography	TAL DEN	MCAWW 300.0	
Cyanide, Total	TAL DEN	MCAWW 335.4	
Distillation, Cyanide	TAL DEN		Distill/CN

Lab References:

TAL DEN = TestAmerica Denver

Method References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: 280-52916-1

Method	Analyst	Analyst ID
SW846 8260B	Dobransky, Michael E	MD
SW846 8260B	Dukes, Aaron D	ADD
SW846 8260B	Seifert, Judy L	JLS
SW846 8270C	Hoffman, Michael G	MGH
SW846 8270C	Kiekel, Daniel C	DCK
SW846 7470A	Broander, Laura L	LLB
SW846 7471A	Broander, Laura L	LLB
MCAWW 300.0	Allen, Andrew J	AJA
MCAWW 335.4	Newcome, Robin S	RSN
SW846 9012A	Newcome, Robin S	RSN
SW846 9056	Allen, Andrew J	AJA

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-52916-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-52916-1	SS-01-0.0 TO 0.5'	Solid	03/10/2014 1355	03/11/2014 0920
280-52916-2	SS-02-0.0 TO 0.5'	Solid	03/10/2014 1345	03/11/2014 0920
280-52916-3	SS-03-0.0 TO 0.5'	Solid	03/10/2014 1330	03/11/2014 0920
280-52916-4	SS-04-0.0 TO 0.5'	Solid	03/10/2014 1310	03/11/2014 0920
280-52916-5	SS-05-0.0 TO 0.5'	Solid	03/10/2014 1320	03/11/2014 0920
280-52916-6	SS-06-0.0 TO 0.5'	Solid	03/10/2014 1325	03/11/2014 0920
280-52916-7	SS-07-0.0 TO 0.5'	Solid	03/10/2014 1255	03/11/2014 0920
280-52916-8	SS-08-0.0 TO 0.5'	Solid	03/10/2014 1250	03/11/2014 0920
280-52916-9	SS-09-0.0 TO 0.5'	Solid	03/10/2014 1240	03/11/2014 0920
280-52916-10	SS-10-0.0 TO 0.5'	Solid	03/10/2014 1230	03/11/2014 0920
280-52916-11	SS-11-0.0 TO 0.5'	Solid	03/10/2014 1205	03/11/2014 0920
280-52916-12	SS-12-0.0 TO 0.5'	Solid	03/10/2014 1155	03/11/2014 0920
280-52916-13EB	EB1	Water	03/10/2014 1400	03/11/2014 0920

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-01-0.0 TO 0.5'**

Lab Sample ID: 280-52916-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1355

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1016.D
Dilution:	1.0			Initial Weight/Volume:	4.788 g
Analysis Date:	03/13/2014 2225			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.58	5.0
1,1,1-Trichloroethane		ND		0.54	5.0
1,1,2,2-Tetrachloroethane		ND		0.64	5.0
1,1,2-Trichloroethane		ND		0.92	5.0
1,1-Dichloroethane		ND		0.22	5.0
1,1-Dichloroethene		ND		0.62	5.0
1,1-Dichloropropene		ND		0.56	5.0
1,2,3-Trichlorobenzene		ND		0.78	5.0
1,2,3-Trichloropropane		ND		0.85	5.0
1,2,4-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trimethylbenzene		ND		0.61	5.0
1,2-Dibromo-3-Chloropropane		ND		0.63	10
1,2-Dibromoethane		ND		0.54	5.0
1,2-Dichlorobenzene		ND		0.47	5.0
1,2-Dichloroethane		ND		0.73	5.0
1,2-Dichloropropane		ND		0.57	5.0
1,3,5-Trimethylbenzene		ND		0.60	5.0
1,3-Dichlorobenzene		ND		0.50	5.0
1,3-Dichloropropane		ND		0.53	5.0
1,4-Dichlorobenzene		ND		0.81	5.0
2,2-Dichloropropane		ND		0.46	5.0
2-Butanone (MEK)		210		1.9	20
2-Chlorotoluene		ND		0.53	5.0
2-Hexanone		10	J	5.1	20
4-Chlorotoluene		ND		0.81	5.0
4-Isopropyltoluene		1.5	J	0.51	5.0
4-Methyl-2-pentanone		6.0	J	4.6	20
Acetone		610		5.6	20
Benzene		ND		0.49	5.0
Bromobenzene		ND		0.51	5.0
Bromochloromethane		ND		0.31	5.0
Bromodichloromethane		ND		0.23	5.0
Bromoform		ND		0.24	5.0
Bromomethane		ND		0.52	10
Carbon disulfide		ND		0.44	5.0
Carbon tetrachloride		ND		0.66	5.0
Chlorobenzene		ND		0.56	5.0
Chloroethane		ND		0.93	10
Chloroform		ND		0.30	10
Chloromethane		ND		0.80	10
cis-1,2-Dichloroethene		ND		0.58	2.5
cis-1,3-Dichloropropene		ND		1.3	5.0
Dibromochloromethane		ND		0.60	5.0
Dibromomethane		ND		0.88	5.0
Dichlorodifluoromethane		ND		0.54	10
Ethylbenzene		ND		0.70	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-01-0.0 TO 0.5'**

Lab Sample ID: 280-52916-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1355

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1016.D
Dilution:	1.0			Initial Weight/Volume:	4.788 g
Analysis Date:	03/13/2014 2225			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.57	5.0
Isopropylbenzene		ND		0.62	5.0
Methylene Chloride		ND		1.7	5.0
Naphthalene		ND		0.66	5.0
n-Butylbenzene		ND		0.58	5.0
N-Propylbenzene		ND		0.61	5.0
sec-Butylbenzene		ND		0.80	5.0
Styrene		ND		0.66	5.0
tert-Butylbenzene		ND		0.52	5.0
Tetrachloroethene		ND		0.62	5.0
Toluene		ND		0.72	5.0
trans-1,2-Dichloroethene		ND		0.41	2.5
trans-1,3-Dichloropropene		ND		0.70	5.0
Trichloroethene		ND		0.24	5.0
Trichlorofluoromethane		ND		1.1	10
Vinyl chloride		ND		1.4	5.0
Xylenes (total)		ND		0.64	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 140
Toluene-d8 (Surr)	117		80 - 126
4-Bromofluorobenzene (Surr)	116		76 - 127
Dibromofluoromethane (Surr)	102		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-01-0.0 TO 0.5'**

Lab Sample ID: 280-52916-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1355

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1016.D
Dilution:	1.0			Initial Weight/Volume:	4.788 g
Analysis Date:	03/13/2014 2225			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
74-93-1	Methanethiol	4.78	23	T J N
18173-64-3	tert-Butyldimethylsilanol	6.74	8.2	T J N

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-02-0.0 TO 0.5'**

Lab Sample ID: 280-52916-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1345

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1017.D
Dilution:	1.0			Initial Weight/Volume:	4.120 g
Analysis Date:	03/13/2014 2246			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.68	5.0
1,1,1-Trichloroethane		ND		0.63	5.0
1,1,2,2-Tetrachloroethane		ND		0.74	5.0
1,1,2-Trichloroethane		ND		1.1	5.0
1,1-Dichloroethane		ND		0.25	5.0
1,1-Dichloroethene		ND		0.72	5.0
1,1-Dichloropropene		ND		0.66	5.0
1,2,3-Trichlorobenzene		ND		0.91	5.0
1,2,3-Trichloropropane		ND		0.98	5.0
1,2,4-Trichlorobenzene		ND		0.89	5.0
1,2,4-Trimethylbenzene		ND		0.70	5.0
1,2-Dibromo-3-Chloropropane		ND		0.73	10
1,2-Dibromoethane		ND		0.63	5.0
1,2-Dichlorobenzene		ND		0.55	5.0
1,2-Dichloroethane		ND		0.85	5.0
1,2-Dichloropropane		ND		0.67	5.0
1,3,5-Trimethylbenzene		ND		0.69	5.0
1,3-Dichlorobenzene		ND		0.58	5.0
1,3-Dichloropropane		ND		0.62	5.0
1,4-Dichlorobenzene		ND		0.95	5.0
2,2-Dichloropropane		ND		0.53	5.0
2-Butanone (MEK)		350		2.2	20
2-Chlorotoluene		ND		0.62	5.0
2-Hexanone		ND		5.9	20
4-Chlorotoluene		ND		0.95	5.0
4-Isopropyltoluene		ND		0.59	5.0
4-Methyl-2-pentanone		ND		5.3	20
Acetone		780		6.5	20
Benzene		ND		0.57	5.0
Bromobenzene		ND		0.59	5.0
Bromochloromethane		ND		0.36	5.0
Bromodichloromethane		ND		0.27	5.0
Bromoform		ND		0.28	5.0
Bromomethane		ND		0.61	10
Carbon disulfide		ND		0.51	5.0
Carbon tetrachloride		ND		0.76	5.0
Chlorobenzene		ND		0.66	5.0
Chloroethane		ND		1.1	10
Chloroform		ND		0.35	10
Chloromethane		ND		0.93	10
cis-1,2-Dichloroethene		ND		0.68	2.5
cis-1,3-Dichloropropene		ND		1.6	5.0
Dibromochloromethane		ND		0.69	5.0
Dibromomethane		ND		1.0	5.0
Dichlorodifluoromethane		ND		0.63	10
Ethylbenzene		ND		0.81	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-02-0.0 TO 0.5'**

Lab Sample ID: 280-52916-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1345

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1017.D
Dilution:	1.0			Initial Weight/Volume:	4.120 g
Analysis Date:	03/13/2014 2246			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.67	5.0
Isopropylbenzene		ND		0.72	5.0
Methylene Chloride		2.2	J B	1.9	5.0
Naphthalene		ND		0.76	5.0
n-Butylbenzene		ND		0.68	5.0
N-Propylbenzene		ND		0.70	5.0
sec-Butylbenzene		ND		0.93	5.0
Styrene		ND		0.76	5.0
tert-Butylbenzene		ND		0.61	5.0
Tetrachloroethene		ND		0.72	5.0
Toluene		ND		0.84	5.0
trans-1,2-Dichloroethene		ND		0.47	2.5
trans-1,3-Dichloropropene		ND		0.81	5.0
Trichloroethene		ND		0.28	5.0
Trichlorofluoromethane		ND		1.3	10
Vinyl chloride		ND		1.6	5.0
Xylenes (total)		ND		0.74	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		58 - 140
Toluene-d8 (Surr)	114		80 - 126
4-Bromofluorobenzene (Surr)	115		76 - 127
Dibromofluoromethane (Surr)	97		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-02-0.0 TO 0.5'**

Lab Sample ID: 280-52916-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1345

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1017.D
Dilution:	1.0			Initial Weight/Volume:	4.120 g
Analysis Date:	03/13/2014 2246			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-37-6	Ethane, 1,1-difluoro-	3.82	870	T J N
1066-40-6	Silanol, trimethyl-	6.75	6.7	T J N
	Unknown	13.45	11	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-03-0.0 TO 0.5'**

Lab Sample ID: 280-52916-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1330

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1020.D
Dilution:	1.0			Initial Weight/Volume:	4.418 g
Analysis Date:	03/13/2014 2349			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.63	5.0
1,1,1-Trichloroethane		ND		0.59	5.0
1,1,2,2-Tetrachloroethane		ND		0.69	5.0
1,1,2-Trichloroethane		ND		1.0	5.0
1,1-Dichloroethane		ND		0.24	5.0
1,1-Dichloroethene		ND		0.67	5.0
1,1-Dichloropropene		ND		0.61	5.0
1,2,3-Trichlorobenzene		ND		0.85	5.0
1,2,3-Trichloropropane		ND		0.92	5.0
1,2,4-Trichlorobenzene		ND		0.83	5.0
1,2,4-Trimethylbenzene		ND		0.66	5.0
1,2-Dibromo-3-Chloropropane		ND		0.68	10
1,2-Dibromoethane		ND		0.59	5.0
1,2-Dichlorobenzene		ND		0.51	5.0
1,2-Dichloroethane		ND		0.79	5.0
1,2-Dichloropropane		ND		0.62	5.0
1,3,5-Trimethylbenzene		ND		0.65	5.0
1,3-Dichlorobenzene		ND		0.54	5.0
1,3-Dichloropropane		ND		0.58	5.0
1,4-Dichlorobenzene		ND		0.88	5.0
2,2-Dichloropropane		ND		0.50	5.0
2-Butanone (MEK)		ND		2.1	20
2-Chlorotoluene		ND		0.58	5.0
2-Hexanone		ND		5.5	20
4-Chlorotoluene		ND		0.88	5.0
4-Isopropyltoluene		ND		0.55	5.0
4-Methyl-2-pentanone		ND		4.9	20
Acetone		ND		6.1	20
Benzene		ND		0.53	5.0
Bromobenzene		ND		0.55	5.0
Bromochloromethane		ND		0.34	5.0
Bromodichloromethane		ND		0.25	5.0
Bromoform		ND		0.26	5.0
Bromomethane		ND		0.57	10
Carbon disulfide		ND		0.48	5.0
Carbon tetrachloride		ND		0.71	5.0
Chlorobenzene		ND		0.61	5.0
Chloroethane		ND		1.0	10
Chloroform		ND		0.33	10
Chloromethane		ND		0.87	10
cis-1,2-Dichloroethene		ND		0.63	2.5
cis-1,3-Dichloropropene		ND		1.5	5.0
Dibromochloromethane		ND		0.65	5.0
Dibromomethane		ND		0.95	5.0
Dichlorodifluoromethane		ND		0.59	10
Ethylbenzene		ND		0.76	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-03-0.0 TO 0.5'**

Lab Sample ID: 280-52916-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1330

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1020.D
Dilution:	1.0			Initial Weight/Volume:	4.418 g
Analysis Date:	03/13/2014 2349			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.62	5.0
Isopropylbenzene		ND		0.67	5.0
Methylene Chloride		ND		1.8	5.0
Naphthalene		ND		0.71	5.0
n-Butylbenzene		ND		0.63	5.0
N-Propylbenzene		ND		0.66	5.0
sec-Butylbenzene		ND		0.87	5.0
Styrene		ND		0.71	5.0
tert-Butylbenzene		ND		0.57	5.0
Tetrachloroethene		ND		0.67	5.0
Toluene		ND		0.78	5.0
trans-1,2-Dichloroethene		ND		0.44	2.5
trans-1,3-Dichloropropene		ND		0.76	5.0
Trichloroethene		ND		0.26	5.0
Trichlorofluoromethane		ND		1.2	10
Vinyl chloride		ND		1.5	5.0
Xylenes (total)		ND		0.69	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		58 - 140
Toluene-d8 (Surr)	116		80 - 126
4-Bromofluorobenzene (Surr)	113		76 - 127
Dibromofluoromethane (Surr)	101		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-03-0.0 TO 0.5'**

Lab Sample ID: 280-52916-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1330

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1020.D
Dilution:	1.0			Initial Weight/Volume:	4.418 g
Analysis Date:	03/13/2014 2349			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-04-0.0 TO 0.5'**

Lab Sample ID: 280-52916-4

Client Matrix: Solid

Date Sampled: 03/10/2014 1310

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1021.D
Dilution:	1.0			Initial Weight/Volume:	4.362 g
Analysis Date:	03/14/2014 0010			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.64	5.0
1,1,1-Trichloroethane		ND		0.60	5.0
1,1,2,2-Tetrachloroethane		ND		0.70	5.0
1,1,2-Trichloroethane		ND		1.0	5.0
1,1-Dichloroethane		ND		0.24	5.0
1,1-Dichloroethene		ND		0.68	5.0
1,1-Dichloropropene		ND		0.62	5.0
1,2,3-Trichlorobenzene		ND		0.86	5.0
1,2,3-Trichloropropane		ND		0.93	5.0
1,2,4-Trichlorobenzene		ND		0.84	5.0
1,2,4-Trimethylbenzene		ND		0.66	5.0
1,2-Dibromo-3-Chloropropane		ND		0.69	10
1,2-Dibromoethane		ND		0.60	5.0
1,2-Dichlorobenzene		ND		0.52	5.0
1,2-Dichloroethane		ND		0.80	5.0
1,2-Dichloropropane		ND		0.63	5.0
1,3,5-Trimethylbenzene		ND		0.65	5.0
1,3-Dichlorobenzene		ND		0.55	5.0
1,3-Dichloropropane		ND		0.58	5.0
1,4-Dichlorobenzene		ND		0.89	5.0
2,2-Dichloropropane		ND		0.50	5.0
2-Butanone (MEK)		2.4	J	2.1	20
2-Chlorotoluene		ND		0.58	5.0
2-Hexanone		ND		5.6	20
4-Chlorotoluene		ND		0.89	5.0
4-Isopropyltoluene		ND		0.56	5.0
4-Methyl-2-pentanone		ND		5.0	20
Acetone		7.5	J	6.2	20
Benzene		ND		0.54	5.0
Bromobenzene		ND		0.56	5.0
Bromochloromethane		ND		0.34	5.0
Bromodichloromethane		ND		0.25	5.0
Bromoform		ND		0.26	5.0
Bromomethane		ND		0.57	10
Carbon disulfide		ND		0.48	5.0
Carbon tetrachloride		ND		0.72	5.0
Chlorobenzene		ND		0.62	5.0
Chloroethane		ND		1.0	10
Chloroform		ND		0.33	10
Chloromethane		ND		0.88	10
cis-1,2-Dichloroethene		ND		0.64	2.5
cis-1,3-Dichloropropene		ND		1.5	5.0
Dibromochloromethane		ND		0.65	5.0
Dibromomethane		ND		0.96	5.0
Dichlorodifluoromethane		ND		0.60	10
Ethylbenzene		ND		0.77	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-04-0.0 TO 0.5'**

Lab Sample ID: 280-52916-4

Client Matrix: Solid

Date Sampled: 03/10/2014 1310

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1021.D
Dilution:	1.0			Initial Weight/Volume:	4.362 g
Analysis Date:	03/14/2014 0010			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.63	5.0
Isopropylbenzene		ND		0.68	5.0
Methylene Chloride		2.3	J B	1.8	5.0
Naphthalene		ND		0.72	5.0
n-Butylbenzene		ND		0.64	5.0
N-Propylbenzene		ND		0.66	5.0
sec-Butylbenzene		ND		0.88	5.0
Styrene		ND		0.72	5.0
tert-Butylbenzene		ND		0.57	5.0
Tetrachloroethene		ND		0.68	5.0
Toluene		ND		0.79	5.0
trans-1,2-Dichloroethene		ND		0.45	2.5
trans-1,3-Dichloropropene		ND		0.77	5.0
Trichloroethene		ND		0.26	5.0
Trichlorofluoromethane		ND		1.2	10
Vinyl chloride		ND		1.5	5.0
Xylenes (total)		ND		0.70	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 140
Toluene-d8 (Surr)	124		80 - 126
4-Bromofluorobenzene (Surr)	133	X	76 - 127
Dibromofluoromethane (Surr)	102		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-04-0.0 TO 0.5'**

Lab Sample ID: 280-52916-4

Client Matrix: Solid

Date Sampled: 03/10/2014 1310

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1021.D
Dilution:	1.0			Initial Weight/Volume:	4.362 g
Analysis Date:	03/14/2014 0010			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-37-6	Ethane, 1,1-difluoro-	3.89	960	T J N
	Unknown	5.27	9.7	T J
	Unknown	13.45	5.8	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-05-0.0 TO 0.5'**

Lab Sample ID: 280-52916-5

Client Matrix: Solid

Date Sampled: 03/10/2014 1320

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1022.D
Dilution:	1.0			Initial Weight/Volume:	5.331 g
Analysis Date:	03/14/2014 0031			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.53	5.0
1,1,1-Trichloroethane		ND		0.49	5.0
1,1,2,2-Tetrachloroethane		ND		0.57	5.0
1,1,2-Trichloroethane		ND		0.83	5.0
1,1-Dichloroethane		ND		0.20	5.0
1,1-Dichloroethene		ND		0.55	5.0
1,1-Dichloropropene		ND		0.51	5.0
1,2,3-Trichlorobenzene		ND		0.70	5.0
1,2,3-Trichloropropane		ND		0.76	5.0
1,2,4-Trichlorobenzene		ND		0.68	5.0
1,2,4-Trimethylbenzene		ND		0.54	5.0
1,2-Dibromo-3-Chloropropane		ND		0.56	10
1,2-Dibromoethane		ND		0.49	5.0
1,2-Dichlorobenzene		ND		0.42	5.0
1,2-Dichloroethane		ND		0.66	5.0
1,2-Dichloropropane		ND		0.52	5.0
1,3,5-Trimethylbenzene		ND		0.53	5.0
1,3-Dichlorobenzene		ND		0.45	5.0
1,3-Dichloropropane		ND		0.48	5.0
1,4-Dichlorobenzene		ND		0.73	5.0
2,2-Dichloropropane		ND		0.41	5.0
2-Butanone (MEK)		150		1.7	20
2-Chlorotoluene		ND		0.48	5.0
2-Hexanone		7.9	J	4.6	20
4-Chlorotoluene		ND		0.73	5.0
4-Isopropyltoluene		0.82	J	0.46	5.0
4-Methyl-2-pentanone		4.5	J	4.1	20
Acetone		510		5.0	20
Benzene		ND		0.44	5.0
Bromobenzene		ND		0.46	5.0
Bromochloromethane		ND		0.28	5.0
Bromodichloromethane		ND		0.21	5.0
Bromoform		ND		0.22	5.0
Bromomethane		ND		0.47	10
Carbon disulfide		ND		0.39	5.0
Carbon tetrachloride		ND		0.59	5.0
Chlorobenzene		ND		0.51	5.0
Chloroethane		ND		0.83	10
Chloroform		ND		0.27	10
Chloromethane		ND		0.72	10
cis-1,2-Dichloroethene		ND		0.53	2.5
cis-1,3-Dichloropropene		ND		1.2	5.0
Dibromochloromethane		ND		0.53	5.0
Dibromomethane		ND		0.79	5.0
Dichlorodifluoromethane		ND		0.49	10
Ethylbenzene		ND		0.63	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-05-0.0 TO 0.5'**

Lab Sample ID: 280-52916-5

Client Matrix: Solid

Date Sampled: 03/10/2014 1320

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1022.D
Dilution:	1.0			Initial Weight/Volume:	5.331 g
Analysis Date:	03/14/2014 0031			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.52	5.0
Isopropylbenzene		ND		0.55	5.0
Methylene Chloride		ND		1.5	5.0
Naphthalene		ND		0.59	5.0
n-Butylbenzene		ND		0.53	5.0
N-Propylbenzene		ND		0.54	5.0
sec-Butylbenzene		ND		0.72	5.0
Styrene		ND		0.59	5.0
tert-Butylbenzene		ND		0.47	5.0
Tetrachloroethene		ND		0.55	5.0
Toluene		ND		0.65	5.0
trans-1,2-Dichloroethene		ND		0.37	2.5
trans-1,3-Dichloropropene		ND		0.63	5.0
Trichloroethene		ND		0.22	5.0
Trichlorofluoromethane		ND		0.98	10
Vinyl chloride		ND		1.3	5.0
Xylenes (total)		ND		0.57	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		58 - 140
Toluene-d8 (Surr)	131	X	80 - 126
4-Bromofluorobenzene (Surr)	139	X	76 - 127
Dibromofluoromethane (Surr)	99		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-05-0.0 TO 0.5'**

Lab Sample ID: 280-52916-5

Client Matrix: Solid

Date Sampled: 03/10/2014 1320

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1022.D
Dilution:	1.0			Initial Weight/Volume:	5.331 g
Analysis Date:	03/14/2014 0031			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
115-07-1	Propene	3.89	1200	T J N
74-93-1	Methanethiol	4.78	20	T J N
75-18-3	Dimethyl sulfide	5.79	61	T J N
1066-40-6	Silanol, trimethyl-	6.75	15	T J N
	Unknown	13.45	18	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-06-0.0 TO 0.5'**

Lab Sample ID: 280-52916-6

Client Matrix: Solid

Date Sampled: 03/10/2014 1325

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	280-217251	Lab File ID:	P8323.D
Dilution:	1.0			Initial Weight/Volume:	4.954 g
Analysis Date:	03/18/2014 1232			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		21	250
1,1,1-Trichloroethane		ND		20	250
1,1,2,2-Tetrachloroethane		ND		29	250
1,1,2-Trichloroethane		ND		27	250
1,1-Dichloroethane		ND		51	250
1,1-Dichloroethene		ND		51	250
1,1-Dichloropropene		ND		49	250
1,2,3-Trichlorobenzene		ND		35	250
1,2,3-Trichloropropane		ND		47	250
1,2,4-Trichlorobenzene		ND		47	250
1,2,4-Trimethylbenzene		ND		31	250
1,2-Dibromo-3-Chloropropane		ND		87	500
1,2-Dibromoethane		ND		25	250
1,2-Dichlorobenzene		ND		95	250
1,2-Dichloroethane		ND		25	250
1,2-Dichloropropane		ND		47	250
1,3,5-Trimethylbenzene		ND		39	250
1,3-Dichlorobenzene		ND		41	250
1,3-Dichloropropane		ND		28	250
1,4-Dichlorobenzene		ND		25	250
2,2-Dichloropropane		ND		27	250
2-Butanone (MEK)		1100		300	1000
2-Chlorotoluene		ND		26	250
2-Hexanone		ND		220	1000
4-Chlorotoluene		ND		23	250
4-Isopropyltoluene		ND		32	250
4-Methyl-2-pentanone		ND		230	1000
Acetone		780	J	400	1000
Benzene		ND		46	250
Bromobenzene		ND		19	250
Bromochloromethane		ND		48	250
Bromodichloromethane		ND		40	250
Bromoform		ND		160	250
Bromomethane		ND		48	500
Carbon disulfide		ND		65	250
Carbon tetrachloride		ND		17	250
Chlorobenzene		ND		30	250
Chloroethane		ND		44	500
Chloroform		ND		46	250
Chloromethane		ND		50	500
cis-1,2-Dichloroethene		ND		22	130
cis-1,3-Dichloropropene		ND		27	250
Dibromochloromethane		ND		33	250
Dibromomethane		ND		30	250
Dichlorodifluoromethane		ND		22	500
Ethylbenzene		ND		34	250

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-06-0.0 TO 0.5'**

Lab Sample ID: 280-52916-6

Client Matrix: Solid

Date Sampled: 03/10/2014 1325

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	280-217251	Lab File ID:	P8323.D
Dilution:	1.0			Initial Weight/Volume:	4.954 g
Analysis Date:	03/18/2014 1232			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		49	250
Isopropylbenzene		ND		29	250
Methylene Chloride		ND		70	250
Naphthalene		ND		38	500
n-Butylbenzene		ND		32	250
N-Propylbenzene		ND		41	250
sec-Butylbenzene		ND		38	250
Styrene		ND		26	250
tert-Butylbenzene		ND		28	250
Tetrachloroethene		ND		27	250
Toluene		ND		39	250
trans-1,2-Dichloroethene		ND		45	130
trans-1,3-Dichloropropene		ND		42	250
Trichloroethene		ND		23	250
Trichlorofluoromethane		ND		50	500
Vinyl chloride		ND		27	500
Xylenes (total)		ND		35	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	66		50 - 139
Toluene-d8 (Surr)	75		68 - 143
4-Bromofluorobenzene (Surr)	71		62 - 133
Dibromofluoromethane (Surr)	68		60 - 133

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-06-0.0 TO 0.5'**

Lab Sample ID: 280-52916-6

Client Matrix: Solid

Date Sampled: 03/10/2014 1325

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	280-217251	Lab File ID:	P8323.D
Dilution:	1.0			Initial Weight/Volume:	4.954 g
Analysis Date:	03/18/2014 1232			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
2199-69-1	Benzene-1,2,3,4-d4-, 5,6-dichloro-	12.39	320	T J N
	Unknown	14.49	620	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-07-0.0 TO 0.5'**

Lab Sample ID: 280-52916-7

Client Matrix: Solid

Date Sampled: 03/10/2014 1255

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1024.D
Dilution:	1.0			Initial Weight/Volume:	4.785 g
Analysis Date:	03/14/2014 0113			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.59	5.0
1,1,1-Trichloroethane		ND		0.54	5.0
1,1,2,2-Tetrachloroethane		ND		0.64	5.0
1,1,2-Trichloroethane		ND		0.92	5.0
1,1-Dichloroethane		ND		0.22	5.0
1,1-Dichloroethene		ND		0.62	5.0
1,1-Dichloropropene		ND		0.56	5.0
1,2,3-Trichlorobenzene		ND		0.78	5.0
1,2,3-Trichloropropane		ND		0.85	5.0
1,2,4-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trimethylbenzene		ND		0.61	5.0
1,2-Dibromo-3-Chloropropane		ND		0.63	10
1,2-Dibromoethane		ND		0.54	5.0
1,2-Dichlorobenzene		ND		0.47	5.0
1,2-Dichloroethane		ND		0.73	5.0
1,2-Dichloropropane		ND		0.57	5.0
1,3,5-Trimethylbenzene		ND		0.60	5.0
1,3-Dichlorobenzene		ND		0.50	5.0
1,3-Dichloropropane		ND		0.53	5.0
1,4-Dichlorobenzene		ND		0.82	5.0
2,2-Dichloropropane		ND		0.46	5.0
2-Butanone (MEK)		700		1.9	20
2-Chlorotoluene		ND		0.53	5.0
2-Hexanone		6.0	J	5.1	20
4-Chlorotoluene		ND		0.82	5.0
4-Isopropyltoluene		ND		0.51	5.0
4-Methyl-2-pentanone		ND		4.6	20
Acetone		500		5.6	20
Benzene		ND		0.49	5.0
Bromobenzene		ND		0.51	5.0
Bromochloromethane		ND		0.31	5.0
Bromodichloromethane		ND		0.23	5.0
Bromoform		ND		0.24	5.0
Bromomethane		ND		0.52	10
Carbon disulfide		ND		0.44	5.0
Carbon tetrachloride		ND		0.66	5.0
Chlorobenzene		ND		0.56	5.0
Chloroethane		ND		0.93	10
Chloroform		ND		0.30	10
Chloromethane		ND		0.80	10
cis-1,2-Dichloroethene		ND		0.59	2.5
cis-1,3-Dichloropropene		ND		1.3	5.0
Dibromochloromethane		ND		0.60	5.0
Dibromomethane		ND		0.88	5.0
Dichlorodifluoromethane		ND		0.54	10
Ethylbenzene		ND		0.70	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-07-0.0 TO 0.5'**

Lab Sample ID: 280-52916-7

Client Matrix: Solid

Date Sampled: 03/10/2014 1255

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1024.D
Dilution:	1.0			Initial Weight/Volume:	4.785 g
Analysis Date:	03/14/2014 0113			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.57	5.0
Isopropylbenzene		ND		0.62	5.0
Methylene Chloride		ND		1.7	5.0
Naphthalene		ND		0.66	5.0
n-Butylbenzene		ND		0.59	5.0
N-Propylbenzene		ND		0.61	5.0
sec-Butylbenzene		ND		0.80	5.0
Styrene		ND		0.66	5.0
tert-Butylbenzene		ND		0.52	5.0
Tetrachloroethene		ND		0.62	5.0
Toluene		ND		0.72	5.0
trans-1,2-Dichloroethene		ND		0.41	2.5
trans-1,3-Dichloropropene		ND		0.70	5.0
Trichloroethene		ND		0.24	5.0
Trichlorofluoromethane		ND		1.1	10
Vinyl chloride		ND		1.4	5.0
Xylenes (total)		ND		0.64	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 140
Toluene-d8 (Surr)	126		80 - 126
4-Bromofluorobenzene (Surr)	132	X	76 - 127
Dibromofluoromethane (Surr)	104		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-07-0.0 TO 0.5'**

Lab Sample ID: 280-52916-7

Client Matrix: Solid

Date Sampled: 03/10/2014 1255

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1024.D
Dilution:	1.0			Initial Weight/Volume:	4.785 g
Analysis Date:	03/14/2014 0113			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-37-6	Ethane, 1,1-difluoro-	3.91	1000	T J N
	Unknown	5.25	8.1	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-08-0.0 TO 0.5'**

Lab Sample ID: 280-52916-8

Client Matrix: Solid

Date Sampled: 03/10/2014 1250

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-217182	Lab File ID:	J1068.D
Dilution:	1.0			Initial Weight/Volume:	5.203 g
Analysis Date:	03/17/2014 2315			Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.54	5.0
1,1,1-Trichloroethane		ND		0.50	5.0
1,1,2,2-Tetrachloroethane		ND		0.59	5.0
1,1,2-Trichloroethane		ND		0.85	5.0
1,1-Dichloroethane		ND		0.20	5.0
1,1-Dichloroethene		ND		0.57	5.0
1,1-Dichloropropene		ND		0.52	5.0
1,2,3-Trichlorobenzene		ND		0.72	5.0
1,2,3-Trichloropropane		ND		0.78	5.0
1,2,4-Trichlorobenzene		ND		0.70	5.0
1,2,4-Trimethylbenzene		ND		0.56	5.0
1,2-Dibromo-3-Chloropropane		ND		0.58	10
1,2-Dibromoethane		ND		0.50	5.0
1,2-Dichlorobenzene		ND		0.43	5.0
1,2-Dichloroethane		ND		0.67	5.0
1,2-Dichloropropane		ND		0.53	5.0
1,3,5-Trimethylbenzene		ND		0.55	5.0
1,3-Dichlorobenzene		ND		0.46	5.0
1,3-Dichloropropane		ND		0.49	5.0
1,4-Dichlorobenzene		ND		0.75	5.0
2,2-Dichloropropane		ND		0.42	5.0
2-Butanone (MEK)		170		1.8	20
2-Chlorotoluene		ND		0.49	5.0
2-Hexanone		ND		4.7	20
4-Chlorotoluene		ND		0.75	5.0
4-Isopropyltoluene		0.53	J	0.47	5.0
4-Methyl-2-pentanone		ND		4.2	20
Acetone		180	B	5.2	20
Benzene		ND		0.45	5.0
Bromobenzene		ND		0.47	5.0
Bromochloromethane		ND		0.29	5.0
Bromodichloromethane		ND		0.21	5.0
Bromoform		ND		0.22	5.0
Bromomethane		ND		0.48	10
Carbon disulfide		ND		0.40	5.0
Carbon tetrachloride		ND		0.61	5.0
Chlorobenzene		ND		0.52	5.0
Chloroethane		ND		0.86	10
Chloroform		ND		0.28	10
Chloromethane		ND		0.74	10
cis-1,2-Dichloroethene		ND		0.54	2.5
cis-1,3-Dichloropropene		ND		1.2	5.0
Dibromochloromethane		ND		0.55	5.0
Dibromomethane		ND		0.81	5.0
Dichlorodifluoromethane		ND		0.50	10
Ethylbenzene		ND		0.64	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-08-0.0 TO 0.5'**

Lab Sample ID: 280-52916-8

Client Matrix: Solid

Date Sampled: 03/10/2014 1250

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-217182	Lab File ID:	J1068.D
Dilution:	1.0			Initial Weight/Volume:	5.203 g
Analysis Date:	03/17/2014 2315			Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.53	5.0
Isopropylbenzene		ND		0.57	5.0
Methylene Chloride		ND		1.5	5.0
Naphthalene		ND		0.61	5.0
n-Butylbenzene		ND		0.54	5.0
N-Propylbenzene		ND		0.56	5.0
sec-Butylbenzene		ND		0.74	5.0
Styrene		ND		0.61	5.0
tert-Butylbenzene		ND		0.48	5.0
Tetrachloroethene		ND		0.57	5.0
Toluene		ND		0.66	5.0
trans-1,2-Dichloroethene		ND		0.37	2.5
trans-1,3-Dichloropropene		ND		0.64	5.0
Trichloroethene		ND		0.22	5.0
Trichlorofluoromethane		ND		1.0	10
Vinyl chloride		ND		1.3	5.0
Xylenes (total)		ND		0.59	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		58 - 140
Toluene-d8 (Surr)	131	X	80 - 126
4-Bromofluorobenzene (Surr)	139	X	76 - 127
Dibromofluoromethane (Surr)	103		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-08-0.0 TO 0.5'**

Lab Sample ID: 280-52916-8

Client Matrix: Solid

Date Sampled: 03/10/2014 1250

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-217182	Lab File ID:	J1068.D
Dilution:	1.0			Initial Weight/Volume:	5.203 g
Analysis Date:	03/17/2014 2315			Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
115-07-1	Propene	3.91	960	T J N
18344-37-1	Heptadecane, 2,6,10,14-tetramethyl-	11.15	8.3	T J N
629-78-7	Heptadecane	12.11	17	T J N
643-93-6	1,1'-Biphenyl, 3-methyl-	14.53	6.6	T J N

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-09-0.0 TO 0.5'**

Lab Sample ID: 280-52916-9

Client Matrix: Solid

Date Sampled: 03/10/2014 1240

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1026.D
Dilution:	1.0			Initial Weight/Volume:	4.800 g
Analysis Date:	03/14/2014 0156			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.58	5.0
1,1,1-Trichloroethane		ND		0.54	5.0
1,1,2,2-Tetrachloroethane		ND		0.64	5.0
1,1,2-Trichloroethane		ND		0.92	5.0
1,1-Dichloroethane		ND		0.22	5.0
1,1-Dichloroethene		ND		0.61	5.0
1,1-Dichloropropene		ND		0.56	5.0
1,2,3-Trichlorobenzene		ND		0.78	5.0
1,2,3-Trichloropropane		ND		0.84	5.0
1,2,4-Trichlorobenzene		ND		0.76	5.0
1,2,4-Trimethylbenzene		ND		0.60	5.0
1,2-Dibromo-3-Chloropropane		ND		0.63	10
1,2-Dibromoethane		ND		0.54	5.0
1,2-Dichlorobenzene		ND		0.47	5.0
1,2-Dichloroethane		ND		0.73	5.0
1,2-Dichloropropane		ND		0.57	5.0
1,3,5-Trimethylbenzene		ND		0.59	5.0
1,3-Dichlorobenzene		ND		0.50	5.0
1,3-Dichloropropane		ND		0.53	5.0
1,4-Dichlorobenzene		ND		0.81	5.0
2,2-Dichloropropane		ND		0.46	5.0
2-Butanone (MEK)		250		1.9	20
2-Chlorotoluene		ND		0.53	5.0
2-Hexanone		7.3	J	5.1	20
4-Chlorotoluene		ND		0.81	5.0
4-Isopropyltoluene		ND		0.51	5.0
4-Methyl-2-pentanone		ND		4.5	20
Acetone		260		5.6	20
Benzene		ND		0.49	5.0
Bromobenzene		ND		0.51	5.0
Bromochloromethane		ND		0.31	5.0
Bromodichloromethane		ND		0.23	5.0
Bromoform		ND		0.24	5.0
Bromomethane		ND		0.52	10
Carbon disulfide		ND		0.44	5.0
Carbon tetrachloride		ND		0.66	5.0
Chlorobenzene		ND		0.56	5.0
Chloroethane		ND		0.93	10
Chloroform		ND		0.30	10
Chloromethane		ND		0.80	10
cis-1,2-Dichloroethene		ND		0.58	2.5
cis-1,3-Dichloropropene		ND		1.3	5.0
Dibromochloromethane		ND		0.59	5.0
Dibromomethane		ND		0.88	5.0
Dichlorodifluoromethane		ND		0.54	10
Ethylbenzene		ND		0.70	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-09-0.0 TO 0.5'**

Lab Sample ID: 280-52916-9

Client Matrix: Solid

Date Sampled: 03/10/2014 1240

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1026.D
Dilution:	1.0			Initial Weight/Volume:	4.800 g
Analysis Date:	03/14/2014 0156			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.57	5.0
Isopropylbenzene		ND		0.61	5.0
Methylene Chloride		ND		1.7	5.0
Naphthalene		ND		0.66	5.0
n-Butylbenzene		ND		0.58	5.0
N-Propylbenzene		ND		0.60	5.0
sec-Butylbenzene		ND		0.80	5.0
Styrene		ND		0.66	5.0
tert-Butylbenzene		ND		0.52	5.0
Tetrachloroethene		ND		0.61	5.0
Toluene		ND		0.72	5.0
trans-1,2-Dichloroethene		ND		0.41	2.5
trans-1,3-Dichloropropene		ND		0.70	5.0
Trichloroethene		ND		0.24	5.0
Trichlorofluoromethane		ND		1.1	10
Vinyl chloride		ND		1.4	5.0
Xylenes (total)		ND		0.64	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		58 - 140
Toluene-d8 (Surr)	121		80 - 126
4-Bromofluorobenzene (Surr)	130	X	76 - 127
Dibromofluoromethane (Surr)	99		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-09-0.0 TO 0.5'**

Lab Sample ID: 280-52916-9

Client Matrix: Solid

Date Sampled: 03/10/2014 1240

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1026.D
Dilution:	1.0			Initial Weight/Volume:	4.800 g
Analysis Date:	03/14/2014 0156			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-37-6	Ethane, 1,1-difluoro-	3.86	1100	T J N
	Unknown	5.25	8.0	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-10-0.0 TO 0.5'**

Lab Sample ID: 280-52916-10

Client Matrix: Solid

Date Sampled: 03/10/2014 1230

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1027.D
Dilution:	1.0			Initial Weight/Volume:	5.067 g
Analysis Date:	03/14/2014 0217			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.55	5.0
1,1,1-Trichloroethane		ND		0.51	5.0
1,1,2,2-Tetrachloroethane		ND		0.60	5.0
1,1,2-Trichloroethane		ND		0.87	5.0
1,1-Dichloroethane		ND		0.21	5.0
1,1-Dichloroethene		ND		0.58	5.0
1,1-Dichloropropene		ND		0.53	5.0
1,2,3-Trichlorobenzene		ND		0.74	5.0
1,2,3-Trichloropropane		ND		0.80	5.0
1,2,4-Trichlorobenzene		ND		0.72	5.0
1,2,4-Trimethylbenzene		ND		0.57	5.0
1,2-Dibromo-3-Chloropropane		ND		0.59	10
1,2-Dibromoethane		ND		0.51	5.0
1,2-Dichlorobenzene		ND		0.44	5.0
1,2-Dichloroethane		ND		0.69	5.0
1,2-Dichloropropane		ND		0.54	5.0
1,3,5-Trimethylbenzene		ND		0.56	5.0
1,3-Dichlorobenzene		ND		0.47	5.0
1,3-Dichloropropane		ND		0.50	5.0
1,4-Dichlorobenzene		ND		0.77	5.0
2,2-Dichloropropane		ND		0.43	5.0
2-Butanone (MEK)		ND		1.8	20
2-Chlorotoluene		ND		0.50	5.0
2-Hexanone		ND		4.8	20
4-Chlorotoluene		ND		0.77	5.0
4-Isopropyltoluene		ND		0.48	5.0
4-Methyl-2-pentanone		ND		4.3	20
Acetone		ND		5.3	20
Benzene		ND		0.46	5.0
Bromobenzene		ND		0.48	5.0
Bromochloromethane		ND		0.30	5.0
Bromodichloromethane		ND		0.22	5.0
Bromoform		ND		0.23	5.0
Bromomethane		ND		0.49	10
Carbon disulfide		ND		0.41	5.0
Carbon tetrachloride		ND		0.62	5.0
Chlorobenzene		ND		0.53	5.0
Chloroethane		ND		0.88	10
Chloroform		ND		0.29	10
Chloromethane		ND		0.76	10
cis-1,2-Dichloroethene		ND		0.55	2.5
cis-1,3-Dichloropropene		ND		1.3	5.0
Dibromochloromethane		ND		0.56	5.0
Dibromomethane		ND		0.83	5.0
Dichlorodifluoromethane		ND		0.51	10
Ethylbenzene		ND		0.66	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-10-0.0 TO 0.5'**

Lab Sample ID: 280-52916-10

Client Matrix: Solid

Date Sampled: 03/10/2014 1230

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1027.D
Dilution:	1.0			Initial Weight/Volume:	5.067 g
Analysis Date:	03/14/2014 0217			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.54	5.0
Isopropylbenzene		ND		0.58	5.0
Methylene Chloride		ND		1.6	5.0
Naphthalene		ND		0.62	5.0
n-Butylbenzene		ND		0.55	5.0
N-Propylbenzene		ND		0.57	5.0
sec-Butylbenzene		ND		0.76	5.0
Styrene		ND		0.62	5.0
tert-Butylbenzene		ND		0.49	5.0
Tetrachloroethene		ND		0.58	5.0
Toluene		ND		0.68	5.0
trans-1,2-Dichloroethene		ND		0.38	2.5
trans-1,3-Dichloropropene		ND		0.66	5.0
Trichloroethene		ND		0.23	5.0
Trichlorofluoromethane		ND		1.0	10
Vinyl chloride		ND		1.3	5.0
Xylenes (total)		ND		0.60	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		58 - 140
Toluene-d8 (Surr)	120		80 - 126
4-Bromofluorobenzene (Surr)	128	X	76 - 127
Dibromofluoromethane (Surr)	97		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-10-0.0 TO 0.5'**

Lab Sample ID: 280-52916-10

Client Matrix: Solid

Date Sampled: 03/10/2014 1230

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1027.D
Dilution:	1.0			Initial Weight/Volume:	5.067 g
Analysis Date:	03/14/2014 0217			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	5.27	13	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-11-0.0 TO 0.5'**

Lab Sample ID: 280-52916-11

Client Matrix: Solid

Date Sampled: 03/10/2014 1205

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	280-217251	Lab File ID:	P8326.D
Dilution:	1.0			Initial Weight/Volume:	5.025 g
Analysis Date:	03/18/2014 1334			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		21	250
1,1,1-Trichloroethane		ND		20	250
1,1,2,2-Tetrachloroethane		ND		29	250
1,1,2-Trichloroethane		ND		27	250
1,1-Dichloroethane		ND		50	250
1,1-Dichloroethene		ND		50	250
1,1-Dichloropropene		ND		48	250
1,2,3-Trichlorobenzene		ND		35	250
1,2,3-Trichloropropane		ND		47	250
1,2,4-Trichlorobenzene		ND		47	250
1,2,4-Trimethylbenzene		ND		31	250
1,2-Dibromo-3-Chloropropane		ND		86	500
1,2-Dibromoethane		ND		25	250
1,2-Dichlorobenzene		ND		93	250
1,2-Dichloroethane		ND		25	250
1,2-Dichloropropane		ND		46	250
1,3,5-Trimethylbenzene		ND		39	250
1,3-Dichlorobenzene		ND		40	250
1,3-Dichloropropane		ND		28	250
1,4-Dichlorobenzene		ND		25	250
2,2-Dichloropropane		ND		27	250
2-Butanone (MEK)		2200		290	1000
2-Chlorotoluene		ND		26	250
2-Hexanone		ND		220	1000
4-Chlorotoluene		ND		23	250
4-Isopropyltoluene		ND		32	250
4-Methyl-2-pentanone		ND		220	1000
Acetone		1500		400	1000
Benzene		ND		45	250
Bromobenzene		ND		19	250
Bromochloromethane		ND		47	250
Bromodichloromethane		ND		39	250
Bromoform		ND		160	250
Bromomethane		ND		47	500
Carbon disulfide		ND		64	250
Carbon tetrachloride		ND		17	250
Chlorobenzene		ND		30	250
Chloroethane		ND		44	500
Chloroform		ND		46	250
Chloromethane		ND		50	500
cis-1,2-Dichloroethene		ND		22	130
cis-1,3-Dichloropropene		ND		27	250
Dibromochloromethane		ND		33	250
Dibromomethane		ND		30	250
Dichlorodifluoromethane		ND		22	500
Ethylbenzene		ND		34	250

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-11-0.0 TO 0.5'**

Lab Sample ID: 280-52916-11

Client Matrix: Solid

Date Sampled: 03/10/2014 1205

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	280-217251	Lab File ID:	P8326.D
Dilution:	1.0			Initial Weight/Volume:	5.025 g
Analysis Date:	03/18/2014 1334			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		49	250
Isopropylbenzene		ND		29	250
Methylene Chloride		ND		69	250
Naphthalene		ND		38	500
n-Butylbenzene		ND		32	250
N-Propylbenzene		ND		41	250
sec-Butylbenzene		ND		38	250
Styrene		ND		26	250
tert-Butylbenzene		ND		28	250
Tetrachloroethene		ND		27	250
Toluene		ND		39	250
trans-1,2-Dichloroethene		ND		45	130
trans-1,3-Dichloropropene		ND		41	250
Trichloroethene		ND		23	250
Trichlorofluoromethane		ND		50	500
Vinyl chloride		ND		27	500
Xylenes (total)		ND		35	250

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	67		50 - 139
Toluene-d8 (Surr)	73		68 - 143
4-Bromofluorobenzene (Surr)	72		62 - 133
Dibromofluoromethane (Surr)	69		60 - 133

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-11-0.0 TO 0.5'**

Lab Sample ID: 280-52916-11

Client Matrix: Solid

Date Sampled: 03/10/2014 1205

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Prep Method:	5030B	Prep Batch:	280-217251	Lab File ID:	P8326.D
Dilution:	1.0			Initial Weight/Volume:	5.025 g
Analysis Date:	03/18/2014 1334			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	12.39	2200	T J
103-09-3	Acetic acid, 2-ethylhexyl ester	13.02	260	T J N
	Unknown	14.48	2000	T J

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-12-0.0 TO 0.5'**

Lab Sample ID: 280-52916-12

Client Matrix: Solid

Date Sampled: 03/10/2014 1155

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1029.D
Dilution:	1.0			Initial Weight/Volume:	4.151 g
Analysis Date:	03/14/2014 0259			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.67	5.0
1,1,1-Trichloroethane		ND		0.63	5.0
1,1,2,2-Tetrachloroethane		ND		0.73	5.0
1,1,2-Trichloroethane		ND		1.1	5.0
1,1-Dichloroethane		ND		0.25	5.0
1,1-Dichloroethene		ND		0.71	5.0
1,1-Dichloropropene		ND		0.65	5.0
1,2,3-Trichlorobenzene		ND		0.90	5.0
1,2,3-Trichloropropane		ND		0.98	5.0
1,2,4-Trichlorobenzene		ND		0.88	5.0
1,2,4-Trimethylbenzene		ND		0.70	5.0
1,2-Dibromo-3-Chloropropane		ND		0.72	10
1,2-Dibromoethane		ND		0.63	5.0
1,2-Dichlorobenzene		ND		0.54	5.0
1,2-Dichloroethane		ND		0.84	5.0
1,2-Dichloropropane		ND		0.66	5.0
1,3,5-Trimethylbenzene		ND		0.69	5.0
1,3-Dichlorobenzene		ND		0.58	5.0
1,3-Dichloropropane		ND		0.61	5.0
1,4-Dichlorobenzene		ND		0.94	5.0
2,2-Dichloropropane		ND		0.53	5.0
2-Butanone (MEK)		880		2.2	20
2-Chlorotoluene		ND		0.61	5.0
2-Hexanone		18	J	5.9	20
4-Chlorotoluene		ND		0.94	5.0
4-Isopropyltoluene		ND		0.59	5.0
4-Methyl-2-pentanone		ND		5.3	20
Acetone		700		6.5	20
Benzene		ND		0.57	5.0
Bromobenzene		ND		0.59	5.0
Bromochloromethane		ND		0.36	5.0
Bromodichloromethane		ND		0.26	5.0
Bromoform		ND		0.28	5.0
Bromomethane		ND		0.60	10
Carbon disulfide		ND		0.51	5.0
Carbon tetrachloride		ND		0.76	5.0
Chlorobenzene		ND		0.65	5.0
Chloroethane		ND		1.1	10
Chloroform		ND		0.35	10
Chloromethane		ND		0.93	10
cis-1,2-Dichloroethene		ND		0.67	2.5
cis-1,3-Dichloropropene		ND		1.6	5.0
Dibromochloromethane		ND		0.69	5.0
Dibromomethane		ND		1.0	5.0
Dichlorodifluoromethane		ND		0.63	10
Ethylbenzene		ND		0.81	5.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-12-0.0 TO 0.5'**

Lab Sample ID: 280-52916-12

Client Matrix: Solid

Date Sampled: 03/10/2014 1155

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1029.D
Dilution:	1.0			Initial Weight/Volume:	4.151 g
Analysis Date:	03/14/2014 0259			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.66	5.0
Isopropylbenzene		ND		0.71	5.0
Methylene Chloride		ND		1.9	5.0
Naphthalene		ND		0.76	5.0
n-Butylbenzene		ND		0.67	5.0
N-Propylbenzene		ND		0.70	5.0
sec-Butylbenzene		ND		0.93	5.0
Styrene		ND		0.76	5.0
tert-Butylbenzene		ND		0.60	5.0
Tetrachloroethene		ND		0.71	5.0
Toluene		ND		0.83	5.0
trans-1,2-Dichloroethene		ND		0.47	2.5
trans-1,3-Dichloropropene		ND		0.81	5.0
Trichloroethene		ND		0.28	5.0
Trichlorofluoromethane		ND		1.3	10
Vinyl chloride		ND		1.6	5.0
Xylenes (total)		ND		0.73	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		58 - 140
Toluene-d8 (Surr)	115		80 - 126
4-Bromofluorobenzene (Surr)	111		76 - 127
Dibromofluoromethane (Surr)	99		75 - 121

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-12-0.0 TO 0.5'**

Lab Sample ID: 280-52916-12

Client Matrix: Solid

Date Sampled: 03/10/2014 1155

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1029.D
Dilution:	1.0			Initial Weight/Volume:	4.151 g
Analysis Date:	03/14/2014 0259			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
1000221-95-9	Ethene, ethyloxy-	5.25	7.0	T J N

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **EB1**

Lab Sample ID: 280-52916-13EB

Client Matrix: Water

Date Sampled: 03/10/2014 1400

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R3235.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0820			Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.21	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,1-Dichloropropene	ND		0.19	1.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0
1,2-Dibromoethane	ND		0.18	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,2-Dichloroethane	ND		0.13	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
2,2-Dichloropropane	ND		0.18	5.0
2-Butanone (MEK)	ND		2.0	6.0
2-Chlorotoluene	ND		0.17	1.0
2-Hexanone	ND		1.7	5.0
4-Chlorotoluene	ND		0.21	1.0
4-Isopropyltoluene	ND		0.20	1.0
4-Methyl-2-pentanone	ND		0.98	5.0
Acetone	ND		1.9	10
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Bromochloromethane	ND		0.10	1.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
Carbon disulfide	ND		0.45	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
cis-1,2-Dichloroethene	ND		0.15	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
Dibromochloromethane	ND		0.17	1.0
Dibromomethane	ND		0.17	1.0
Dichlorodifluoromethane	ND		0.31	2.0
Ethylbenzene	ND		0.16	1.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **EB1**

Lab Sample ID: 280-52916-13EB

Client Matrix: Water

Date Sampled: 03/10/2014 1400

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R3235.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0820			Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobutadiene	ND		0.36	1.0
Isopropylbenzene	ND		0.19	1.0
Methylene Chloride	ND		0.32	5.0
Naphthalene	ND		0.22	1.0
n-Butylbenzene	ND		0.32	1.0
N-Propylbenzene	ND		0.16	1.0
sec-Butylbenzene	ND		0.17	1.0
Styrene	ND		0.17	1.0
tert-Butylbenzene	ND		0.16	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
Vinyl chloride	ND		0.10	1.0
Xylenes (total)	ND		0.19	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 127
4-Bromofluorobenzene (Surr)	86		78 - 120
Dibromofluoromethane (Surr)	97		77 - 120
Toluene-d8 (Surr)	94		80 - 125

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **EB1**

Lab Sample ID: 280-52916-13EB

Client Matrix: Water

Date Sampled: 03/10/2014 1400

Date Received: 03/11/2014 0920

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	R3235.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0820			Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0820				

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Unknown	3.76	3.3	T J
1066-40-6	Silanol, trimethyl-	6.31	1.4	T J N
103-09-3	Acetic acid, 2-ethylhexyl ester	12.62	1.5	T J N

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-01-0.0 TO 0.5'**

Lab Sample ID: 280-52916-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1355

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4014.D
Dilution:	1.0			Initial Weight/Volume:	32.1 g
Analysis Date:	03/14/2014 1701			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		26	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		21	330
2,4,5-Trichlorophenol		ND		9.3	330
2,4,6-Trichlorophenol		ND		9.3	330
2,4-Dichlorophenol		ND		9.3	330
2,4-Dimethylphenol		ND		62	330
2,4-Dinitrophenol		ND		310	1600
2,4-Dinitrotoluene		ND		62	330
2,6-Dinitrotoluene		ND		26	330
2-Chloronaphthalene		ND		9.3	330
2-Chlorophenol		ND		20	330
2-Methylnaphthalene		ND		18	330
2-Methylphenol		ND		12	330
2-Nitroaniline		ND		47	1600
2-Nitrophenol		ND		9.3	330
3 & 4 Methylphenol		280	J	31	330
3,3'-Dichlorobenzidine		ND		84	660
3-Nitroaniline		ND		68	1600
4,6-Dinitro-2-methylphenol		ND		310	1600
4-Bromophenyl phenyl ether		ND		18	330
4-Chloro-3-methylphenol		ND		62	330
4-Chloroaniline		ND		77	330
4-Chlorophenyl phenyl ether		ND		20	330
4-Nitroaniline		ND		68	1600
4-Nitrophenol		ND		91	1600
Acenaphthene		ND		9.6	330
Acenaphthylene		ND		16	330
Acetophenone		ND		19	330
Anthracene		ND		16	330
Atrazine		ND		35	330
Benzidine		ND		930	3300
Benzo[a]anthracene		ND		19	330
Benzo[a]pyrene		21	J	19	330
Benzo[b]fluoranthene		ND		24	330
Benzo[g,h,i]perylene		17	J	15	330
Benzo[k]fluoranthene		ND		37	330
Bis(2-chloroethoxy)methane		ND		21	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		670		43	330
Butyl benzyl phthalate		ND		40	330
Caprolactam		ND		99	1600
Carbazole		ND		34	330
Chrysene		ND		25	330
Cresols, Total		280	J	12	330
Dibenz(a,h)anthracene		ND		18	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-01-0.0 TO 0.5'**

Lab Sample ID: 280-52916-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1355

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4014.D
Dilution:	1.0			Initial Weight/Volume:	32.1 g
Analysis Date:	03/14/2014 1701			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		19	330
Diethyl phthalate		ND		24	660
Dimethyl phthalate		28	J	21	330
Di-n-butyl phthalate		ND		27	330
Di-n-octyl phthalate		ND		13	330
Fluoranthene		ND		34	330
Fluorene		ND		17	330
Hexachlorobenzene		ND		27	330
Hexachlorobutadiene		ND		9.3	330
Hexachlorocyclopentadiene		ND		47	1600
Hexachloroethane		ND		20	330
Indeno[1,2,3-cd]pyrene		ND		21	330
Naphthalene		ND		29	330
Nitrobenzene		ND		21	330
N-Nitrosodi-n-propylamine		ND		29	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		20	330
Pentachlorophenol		ND		310	1600
Phenanthrene		25	J	16	330
Phenol		350		17	330
Pyrene		48	J	11	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	79		51 - 120
2-Fluorobiphenyl	61		50 - 120
2-Fluorophenol	60		53 - 120
Nitrobenzene-d5	61		50 - 120
Phenol-d5	63		52 - 120
Terphenyl-d14	85		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-02-0.0 TO 0.5'**

Lab Sample ID: 280-52916-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1345

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4015.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	03/14/2014 1729			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		28	330
1,4-Dichlorobenzene		ND		14	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		10	330
2,4,6-Trichlorophenol		ND		10	330
2,4-Dichlorophenol		ND		10	330
2,4-Dimethylphenol		ND		66	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		66	330
2,6-Dinitrotoluene		ND		28	330
2-Chloronaphthalene		ND		10	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		50	1600
2-Nitrophenol		ND		10	330
3 & 4 Methylphenol		86	J	33	330
3,3'-Dichlorobenzidine		ND		90	660
3-Nitroaniline		ND		73	1600
4,6-Dinitro-2-methylphenol		ND		330	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		66	330
4-Chloroaniline		ND		82	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		73	1600
4-Nitrophenol		ND		97	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		37	330
Benzidine		ND		990	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		40	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		17	330
Bis(2-ethylhexyl) phthalate		100	J	46	330
Butyl benzyl phthalate		ND		43	330
Caprolactam		ND		110	1600
Carbazole		ND		36	330
Chrysene		ND		27	330
Cresols, Total		86	J	13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-02-0.0 TO 0.5'**

Lab Sample ID: 280-52916-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1345

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4015.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	03/14/2014 1729			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		26	660
Dimethyl phthalate		50	J	23	330
Di-n-butyl phthalate		ND		29	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		36	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		29	330
Hexachlorobutadiene		ND		10	330
Hexachlorocyclopentadiene		ND		50	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		31	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		31	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		330	1600
Phenanthrene		ND		17	330
Phenol		73	J	18	330
Pyrene		ND		12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		51 - 120
2-Fluorobiphenyl	75		50 - 120
2-Fluorophenol	76		53 - 120
Nitrobenzene-d5	77		50 - 120
Phenol-d5	77		52 - 120
Terphenyl-d14	90		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-03-0.0 TO 0.5'**

Lab Sample ID: 280-52916-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1330

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4016.D
Dilution:	1.0			Initial Weight/Volume:	30.1 g
Analysis Date:	03/14/2014 1756			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		28	330
1,4-Dichlorobenzene		ND		14	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		10	330
2,4,6-Trichlorophenol		ND		10	330
2,4-Dichlorophenol		ND		10	330
2,4-Dimethylphenol		ND		66	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		66	330
2,6-Dinitrotoluene		ND		28	330
2-Chloronaphthalene		ND		10	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		50	1600
2-Nitrophenol		ND		10	330
3 & 4 Methylphenol		ND		33	330
3,3'-Dichlorobenzidine		ND		90	660
3-Nitroaniline		ND		73	1600
4,6-Dinitro-2-methylphenol		ND		330	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		66	330
4-Chloroaniline		ND		82	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		72	1600
4-Nitrophenol		ND		97	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		37	330
Benzidine		ND		990	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		40	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		17	330
Bis(2-ethylhexyl) phthalate		85	J	46	330
Butyl benzyl phthalate		ND		43	330
Caprolactam		ND		110	1600
Carbazole		ND		36	330
Chrysene		ND		27	330
Cresols, Total		ND		13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-03-0.0 TO 0.5'**

Lab Sample ID: 280-52916-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1330

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4016.D
Dilution:	1.0			Initial Weight/Volume:	30.1 g
Analysis Date:	03/14/2014 1756			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		26	660
Dimethyl phthalate		25	J	23	330
Di-n-butyl phthalate		ND		29	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		36	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		29	330
Hexachlorobutadiene		ND		10	330
Hexachlorocyclopentadiene		ND		50	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		31	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		31	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		330	1600
Phenanthrene		ND		17	330
Phenol		ND		18	330
Pyrene		ND		12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		51 - 120
2-Fluorobiphenyl	74		50 - 120
2-Fluorophenol	78		53 - 120
Nitrobenzene-d5	79		50 - 120
Phenol-d5	80		52 - 120
Terphenyl-d14	88		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-04-0.0 TO 0.5'**

Lab Sample ID: 280-52916-4

Client Matrix: Solid

Date Sampled: 03/10/2014 1310

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4017.D
Dilution:	1.0			Initial Weight/Volume:	30.4 g
Analysis Date:	03/14/2014 1824			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		28	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		9.9	330
2,4,6-Trichlorophenol		ND		9.9	330
2,4-Dichlorophenol		ND		9.9	330
2,4-Dimethylphenol		ND		65	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		65	330
2,6-Dinitrotoluene		ND		28	330
2-Chloronaphthalene		ND		9.9	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		49	1600
2-Nitrophenol		ND		9.9	330
3 & 4 Methylphenol		76	J	33	330
3,3'-Dichlorobenzidine		ND		89	660
3-Nitroaniline		ND		72	1600
4,6-Dinitro-2-methylphenol		ND		330	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		65	330
4-Chloroaniline		ND		81	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		72	1600
4-Nitrophenol		ND		96	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		37	330
Benzidine		ND		980	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		39	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		96	J	45	330
Butyl benzyl phthalate		ND		42	330
Caprolactam		ND		100	1600
Carbazole		ND		36	330
Chrysene		ND		27	330
Cresols, Total		76	J	13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-04-0.0 TO 0.5'**

Lab Sample ID: 280-52916-4

Client Matrix: Solid

Date Sampled: 03/10/2014 1310

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4017.D
Dilution:	1.0			Initial Weight/Volume:	30.4 g
Analysis Date:	03/14/2014 1824			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		26	660
Dimethyl phthalate		59	J	23	330
Di-n-butyl phthalate		ND		29	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		36	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		29	330
Hexachlorobutadiene		ND		9.9	330
Hexachlorocyclopentadiene		ND		49	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		31	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		31	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		330	1600
Phenanthrene		ND		17	330
Phenol		140	J	18	330
Pyrene		ND		12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	83		51 - 120
2-Fluorobiphenyl	73		50 - 120
2-Fluorophenol	79		53 - 120
Nitrobenzene-d5	78		50 - 120
Phenol-d5	79		52 - 120
Terphenyl-d14	86		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-05-0.0 TO 0.5'**

Lab Sample ID: 280-52916-5

Client Matrix: Solid

Date Sampled: 03/10/2014 1320

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4007.D
Dilution:	5.0			Initial Weight/Volume:	32.9 g
Analysis Date:	03/14/2014 1348			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		130	330
1,4-Dichlorobenzene		ND		62	330
2,2'-oxybis[1-chloropropane]		ND		100	330
2,4,5-Trichlorophenol		ND		46	330
2,4,6-Trichlorophenol		ND		46	330
2,4-Dichlorophenol		ND		46	330
2,4-Dimethylphenol		ND		300	330
2,4-Dinitrophenol		ND		1500	1600
2,4-Dinitrotoluene		ND		300	330
2,6-Dinitrotoluene		ND		130	330
2-Chloronaphthalene		ND		46	330
2-Chlorophenol		ND		96	330
2-Methylnaphthalene		ND		87	330
2-Methylphenol		ND		59	330
2-Nitroaniline		ND		230	1600
2-Nitrophenol		ND		46	330
3 & 4 Methylphenol		410		150	330
3,3'-Dichlorobenzidine		ND		410	660
3-Nitroaniline		ND		330	1600
4,6-Dinitro-2-methylphenol		ND		1500	1600
4-Bromophenyl phenyl ether		ND		87	330
4-Chloro-3-methylphenol		ND		300	330
4-Chloroaniline		ND		370	370
4-Chlorophenyl phenyl ether		ND		96	330
4-Nitroaniline		ND		330	1600
4-Nitrophenol		ND		440	1600
Acenaphthene		ND		47	330
Acenaphthylene		ND		78	330
Acetophenone		ND		91	330
Anthracene		ND		78	330
Atrazine		ND		170	330
Benzidine		ND		4500	4500
Benzo[a]anthracene		ND		91	330
Benzo[a]pyrene		ND		91	330
Benzo[b]fluoranthene		ND		120	330
Benzo[g,h,i]perylene		ND		73	330
Benzo[k]fluoranthene		ND		180	330
Bis(2-chloroethoxy)methane		ND		100	330
Bis(2-chloroethyl)ether		ND		76	330
Bis(2-ethylhexyl) phthalate		380		210	330
Butyl benzyl phthalate		ND		200	330
Caprolactam		ND		480	1600
Carbazole		ND		160	330
Chrysene		ND		120	330
Cresols, Total		410		59	330
Dibenz(a,h)anthracene		ND		87	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-05-0.0 TO 0.5'**

Lab Sample ID: 280-52916-5

Client Matrix: Solid

Date Sampled: 03/10/2014 1320

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4007.D
Dilution:	5.0			Initial Weight/Volume:	32.9 g
Analysis Date:	03/14/2014 1348			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		91	330
Diethyl phthalate		ND		120	660
Dimethyl phthalate		ND		100	330
Di-n-butyl phthalate		ND		130	330
Di-n-octyl phthalate		ND		66	330
Fluoranthene		ND		160	330
Fluorene		ND		82	330
Hexachlorobenzene		ND		130	330
Hexachlorobutadiene		ND		46	330
Hexachlorocyclopentadiene		ND		230	1600
Hexachloroethane		ND		97	330
Indeno[1,2,3-cd]pyrene		ND		100	330
Naphthalene		ND		140	330
Nitrobenzene		ND		100	330
N-Nitrosodi-n-propylamine		ND		140	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		96	330
Pentachlorophenol		ND		1500	1600
Phenanthrene		ND		78	330
Phenol		440		82	330
Pyrene		98	J	55	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	74	D	51 - 120
2-Fluorobiphenyl	74	D	50 - 120
2-Fluorophenol	69	D	53 - 120
Nitrobenzene-d5	67	D	50 - 120
Phenol-d5	76	D	52 - 120
Terphenyl-d14	81	D	55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-06-0.0 TO 0.5'**

Lab Sample ID: 280-52916-6

Client Matrix: Solid

Date Sampled: 03/10/2014 1325

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4018.D
Dilution:	1.0			Initial Weight/Volume:	31.6 g
Analysis Date:	03/14/2014 1852			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		27	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		22	330
2,4,5-Trichlorophenol		ND		9.5	330
2,4,6-Trichlorophenol		ND		9.5	330
2,4-Dichlorophenol		ND		9.5	330
2,4-Dimethylphenol		ND		63	330
2,4-Dinitrophenol		ND		320	1600
2,4-Dinitrotoluene		ND		63	330
2,6-Dinitrotoluene		ND		27	330
2-Chloronaphthalene		ND		9.5	330
2-Chlorophenol		ND		20	330
2-Methylnaphthalene		ND		18	330
2-Methylphenol		ND		12	330
2-Nitroaniline		ND		47	1600
2-Nitrophenol		ND		9.5	330
3 & 4 Methylphenol		500		31	330
3,3'-Dichlorobenzidine		ND		85	660
3-Nitroaniline		ND		69	1600
4,6-Dinitro-2-methylphenol		ND		310	1600
4-Bromophenyl phenyl ether		ND		18	330
4-Chloro-3-methylphenol		ND		63	330
4-Chloroaniline		ND		78	330
4-Chlorophenyl phenyl ether		ND		20	330
4-Nitroaniline		ND		69	1600
4-Nitrophenol		ND		92	1600
Acenaphthene		ND		9.8	330
Acenaphthylene		ND		16	330
Acetophenone		ND		19	330
Anthracene		ND		16	330
Atrazine		ND		35	330
Benzidine		ND		940	3300
Benzo[a]anthracene		ND		19	330
Benzo[a]pyrene		ND		19	330
Benzo[b]fluoranthene		ND		25	330
Benzo[g,h,i]perylene		ND		15	330
Benzo[k]fluoranthene		ND		38	330
Bis(2-chloroethoxy)methane		ND		22	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		86	J	44	330
Butyl benzyl phthalate		ND		41	330
Caprolactam		ND		100	1600
Carbazole		ND		34	330
Chrysene		ND		26	330
Cresols, Total		500		12	330
Dibenz(a,h)anthracene		ND		18	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-06-0.0 TO 0.5'**

Lab Sample ID: 280-52916-6

Client Matrix: Solid

Date Sampled: 03/10/2014 1325

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4018.D
Dilution:	1.0			Initial Weight/Volume:	31.6 g
Analysis Date:	03/14/2014 1852			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		19	330
Diethyl phthalate		ND		25	660
Dimethyl phthalate		42	J	22	330
Di-n-butyl phthalate		ND		28	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		34	330
Fluorene		ND		17	330
Hexachlorobenzene		ND		28	330
Hexachlorobutadiene		ND		9.5	330
Hexachlorocyclopentadiene		ND		47	1600
Hexachloroethane		ND		20	330
Indeno[1,2,3-cd]pyrene		ND		21	330
Naphthalene		ND		29	330
Nitrobenzene		ND		21	330
N-Nitrosodi-n-propylamine		ND		29	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		20	330
Pentachlorophenol		ND		310	1600
Phenanthrene		ND		16	330
Phenol		190	J	17	330
Pyrene		20	J	11	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	83		51 - 120
2-Fluorobiphenyl	74		50 - 120
2-Fluorophenol	72		53 - 120
Nitrobenzene-d5	72		50 - 120
Phenol-d5	76		52 - 120
Terphenyl-d14	87		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-07-0.0 TO 0.5'**

Lab Sample ID: 280-52916-7

Client Matrix: Solid

Date Sampled: 03/10/2014 1255

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4019.D
Dilution:	1.0			Initial Weight/Volume:	30.5 g
Analysis Date:	03/14/2014 1919			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		28	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		9.8	330
2,4,6-Trichlorophenol		ND		9.8	330
2,4-Dichlorophenol		ND		9.8	330
2,4-Dimethylphenol		ND		65	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		65	330
2,6-Dinitrotoluene		ND		28	330
2-Chloronaphthalene		ND		9.8	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		49	1600
2-Nitrophenol		ND		9.8	330
3 & 4 Methylphenol		40	J	32	330
3,3'-Dichlorobenzidine		ND		89	660
3-Nitroaniline		ND		72	1600
4,6-Dinitro-2-methylphenol		ND		320	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		65	330
4-Chloroaniline		ND		81	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		71	1600
4-Nitrophenol		ND		95	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		36	330
Benzidine		ND		970	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		39	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		99	J	45	330
Butyl benzyl phthalate		ND		42	330
Caprolactam		ND		100	1600
Carbazole		ND		35	330
Chrysene		ND		27	330
Cresols, Total		40	J	13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-07-0.0 TO 0.5'**

Lab Sample ID: 280-52916-7

Client Matrix: Solid

Date Sampled: 03/10/2014 1255

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4019.D
Dilution:	1.0			Initial Weight/Volume:	30.5 g
Analysis Date:	03/14/2014 1919			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		26	660
Dimethyl phthalate		72	J	23	330
Di-n-butyl phthalate		ND		29	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		35	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		29	330
Hexachlorobutadiene		ND		9.8	330
Hexachlorocyclopentadiene		ND		49	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		30	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		30	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		320	1600
Phenanthrene		ND		17	330
Phenol		110	J	18	330
Pyrene		20	J	12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	79		51 - 120
2-Fluorobiphenyl	70		50 - 120
2-Fluorophenol	72		53 - 120
Nitrobenzene-d5	73		50 - 120
Phenol-d5	76		52 - 120
Terphenyl-d14	86		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-08-0.0 TO 0.5'**

Lab Sample ID: 280-52916-8

Client Matrix: Solid

Date Sampled: 03/10/2014 1250

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4020.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	03/14/2014 1947			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		28	330
1,4-Dichlorobenzene		ND		14	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		10	330
2,4,6-Trichlorophenol		ND		10	330
2,4-Dichlorophenol		ND		10	330
2,4-Dimethylphenol		ND		66	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		66	330
2,6-Dinitrotoluene		ND		28	330
2-Chloronaphthalene		ND		10	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		50	1600
2-Nitrophenol		ND		10	330
3 & 4 Methylphenol		35	J	33	330
3,3'-Dichlorobenzidine		ND		90	660
3-Nitroaniline		ND		73	1600
4,6-Dinitro-2-methylphenol		ND		330	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		66	330
4-Chloroaniline		ND		82	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		73	1600
4-Nitrophenol		ND		97	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		37	330
Benzidine		ND		990	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		37	J	26	330
Benzo[g,h,i]perylene		22	J	16	330
Benzo[k]fluoranthene		ND		40	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		17	330
Bis(2-ethylhexyl) phthalate		140	J	46	330
Butyl benzyl phthalate		ND		43	330
Caprolactam		ND		110	1600
Carbazole		ND		36	330
Chrysene		32	J	27	330
Cresols, Total		35	J	13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-08-0.0 TO 0.5'**

Lab Sample ID: 280-52916-8

Client Matrix: Solid

Date Sampled: 03/10/2014 1250

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4020.D
Dilution:	1.0			Initial Weight/Volume:	30.0 g
Analysis Date:	03/14/2014 1947			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		26	660
Dimethyl phthalate		140	J	23	330
Di-n-butyl phthalate		ND		29	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		41	J	36	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		29	330
Hexachlorobutadiene		ND		10	330
Hexachlorocyclopentadiene		ND		50	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		31	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		31	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		330	1600
Phenanthrene		38	J	17	330
Phenol		95	J	18	330
Pyrene		67	J	12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		51 - 120
2-Fluorobiphenyl	75		50 - 120
2-Fluorophenol	72		53 - 120
Nitrobenzene-d5	73		50 - 120
Phenol-d5	79		52 - 120
Terphenyl-d14	90		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-09-0.0 TO 0.5'**

Lab Sample ID: 280-52916-9

Client Matrix: Solid

Date Sampled: 03/10/2014 1240

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4021.D
Dilution:	1.0			Initial Weight/Volume:	32.8 g
Analysis Date:	03/14/2014 2014			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		26	330
1,4-Dichlorobenzene		ND		12	330
2,2'-oxybis[1-chloropropane]		ND		21	330
2,4,5-Trichlorophenol		ND		9.1	330
2,4,6-Trichlorophenol		ND		9.1	330
2,4-Dichlorophenol		ND		9.1	330
2,4-Dimethylphenol		ND		60	330
2,4-Dinitrophenol		ND		300	1600
2,4-Dinitrotoluene		ND		60	330
2,6-Dinitrotoluene		ND		26	330
2-Chloronaphthalene		ND		9.1	330
2-Chlorophenol		ND		19	330
2-Methylnaphthalene		ND		17	330
2-Methylphenol		ND		12	330
2-Nitroaniline		ND		46	1600
2-Nitrophenol		ND		9.1	330
3 & 4 Methylphenol		ND		30	330
3,3'-Dichlorobenzidine		ND		82	660
3-Nitroaniline		ND		67	1600
4,6-Dinitro-2-methylphenol		ND		300	1600
4-Bromophenyl phenyl ether		ND		17	330
4-Chloro-3-methylphenol		ND		60	330
4-Chloroaniline		ND		75	330
4-Chlorophenyl phenyl ether		ND		19	330
4-Nitroaniline		ND		66	1600
4-Nitrophenol		ND		89	1600
Acenaphthene		ND		9.4	330
Acenaphthylene		ND		16	330
Acetophenone		ND		18	330
Anthracene		ND		16	330
Atrazine		ND		34	330
Benzidine		ND		910	3300
Benzo[a]anthracene		ND		18	330
Benzo[a]pyrene		ND		18	330
Benzo[b]fluoranthene		ND		24	330
Benzo[g,h,i]perylene		ND		15	330
Benzo[k]fluoranthene		ND		37	330
Bis(2-chloroethoxy)methane		ND		21	330
Bis(2-chloroethyl)ether		ND		15	330
Bis(2-ethylhexyl) phthalate		83	J	42	330
Butyl benzyl phthalate		ND		39	330
Caprolactam		ND		97	1600
Carbazole		ND		33	330
Chrysene		ND		25	330
Cresols, Total		ND		12	330
Dibenz(a,h)anthracene		ND		17	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-09-0.0 TO 0.5'**

Lab Sample ID: 280-52916-9

Client Matrix: Solid

Date Sampled: 03/10/2014 1240

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4021.D
Dilution:	1.0			Initial Weight/Volume:	32.8 g
Analysis Date:	03/14/2014 2014			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		18	330
Diethyl phthalate		ND		24	660
Dimethyl phthalate		40	J	21	330
Di-n-butyl phthalate		ND		27	330
Di-n-octyl phthalate		ND		13	330
Fluoranthene		ND		33	330
Fluorene		ND		16	330
Hexachlorobenzene		ND		27	330
Hexachlorobutadiene		ND		9.1	330
Hexachlorocyclopentadiene		ND		46	1600
Hexachloroethane		ND		19	330
Indeno[1,2,3-cd]pyrene		ND		20	330
Naphthalene		ND		28	330
Nitrobenzene		ND		20	330
N-Nitrosodi-n-propylamine		ND		28	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		19	330
Pentachlorophenol		ND		300	1600
Phenanthrene		ND		16	330
Phenol		ND		16	330
Pyrene		15	J	11	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		51 - 120
2-Fluorobiphenyl	71		50 - 120
2-Fluorophenol	75		53 - 120
Nitrobenzene-d5	75		50 - 120
Phenol-d5	76		52 - 120
Terphenyl-d14	87		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-10-0.0 TO 0.5'**

Lab Sample ID: 280-52916-10

Client Matrix: Solid

Date Sampled: 03/10/2014 1230

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4022.D
Dilution:	1.0			Initial Weight/Volume:	30.7 g
Analysis Date:	03/14/2014 2042			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		27	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		22	330
2,4,5-Trichlorophenol		ND		9.8	330
2,4,6-Trichlorophenol		ND		9.8	330
2,4-Dichlorophenol		ND		9.8	330
2,4-Dimethylphenol		ND		64	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		64	330
2,6-Dinitrotoluene		ND		27	330
2-Chloronaphthalene		ND		9.8	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		49	1600
2-Nitrophenol		ND		9.8	330
3 & 4 Methylphenol		ND		32	330
3,3'-Dichlorobenzidine		ND		88	660
3-Nitroaniline		ND		71	1600
4,6-Dinitro-2-methylphenol		ND		320	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		64	330
4-Chloroaniline		ND		80	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		71	1600
4-Nitrophenol		ND		95	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		36	330
Benzidine		ND		970	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		39	330
Bis(2-chloroethoxy)methane		ND		22	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		75	J	45	330
Butyl benzyl phthalate		ND		42	330
Caprolactam		ND		100	1600
Carbazole		ND		35	330
Chrysene		ND		26	330
Cresols, Total		ND		13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-10-0.0 TO 0.5'**

Lab Sample ID: 280-52916-10

Client Matrix: Solid

Date Sampled: 03/10/2014 1230

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4022.D
Dilution:	1.0			Initial Weight/Volume:	30.7 g
Analysis Date:	03/14/2014 2042			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		25	660
Dimethyl phthalate		75	J	22	330
Di-n-butyl phthalate		ND		28	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		35	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		28	330
Hexachlorobutadiene		ND		9.8	330
Hexachlorocyclopentadiene		ND		49	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		21	330
Naphthalene		ND		30	330
Nitrobenzene		ND		21	330
N-Nitrosodi-n-propylamine		ND		30	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		320	1600
Phenanthrene		ND		17	330
Phenol		ND		18	330
Pyrene		ND		12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	79		51 - 120
2-Fluorobiphenyl	74		50 - 120
2-Fluorophenol	77		53 - 120
Nitrobenzene-d5	77		50 - 120
Phenol-d5	78		52 - 120
Terphenyl-d14	87		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-11-0.0 TO 0.5'**

Lab Sample ID: 280-52916-11

Client Matrix: Solid

Date Sampled: 03/10/2014 1205

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4023.D
Dilution:	1.0			Initial Weight/Volume:	30.3 g
Analysis Date:	03/14/2014 2109			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		28	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		9.9	330
2,4,6-Trichlorophenol		ND		9.9	330
2,4-Dichlorophenol		ND		9.9	330
2,4-Dimethylphenol		ND		65	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		65	330
2,6-Dinitrotoluene		ND		28	330
2-Chloronaphthalene		ND		9.9	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		50	1600
2-Nitrophenol		ND		9.9	330
3 & 4 Methylphenol		330		33	330
3,3'-Dichlorobenzidine		ND		89	660
3-Nitroaniline		ND		72	1600
4,6-Dinitro-2-methylphenol		ND		330	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		65	330
4-Chloroaniline		ND		81	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		72	1600
4-Nitrophenol		ND		96	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		28	J	20	330
Anthracene		ND		17	330
Atrazine		ND		37	330
Benzidine		ND		980	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		16	J	16	330
Benzo[k]fluoranthene		ND		40	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		94	J	46	330
Butyl benzyl phthalate		ND		43	330
Caprolactam		ND		100	1600
Carbazole		ND		36	330
Chrysene		ND		27	330
Cresols, Total		330		13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-11-0.0 TO 0.5'**

Lab Sample ID: 280-52916-11

Client Matrix: Solid

Date Sampled: 03/10/2014 1205

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4023.D
Dilution:	1.0			Initial Weight/Volume:	30.3 g
Analysis Date:	03/14/2014 2109			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		26	660
Dimethyl phthalate		ND		23	330
Di-n-butyl phthalate		ND		29	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		36	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		29	330
Hexachlorobutadiene		ND		9.9	330
Hexachlorocyclopentadiene		ND		50	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		31	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		31	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		330	1600
Phenanthrene		22	J	17	330
Phenol		320	J	18	330
Pyrene		35	J	12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		51 - 120
2-Fluorobiphenyl	74		50 - 120
2-Fluorophenol	77		53 - 120
Nitrobenzene-d5	76		50 - 120
Phenol-d5	79		52 - 120
Terphenyl-d14	90		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-12-0.0 TO 0.5'**

Lab Sample ID: 280-52916-12

Client Matrix: Solid

Date Sampled: 03/10/2014 1155

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217198	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4045.D
Dilution:	1.0			Initial Weight/Volume:	32.2 g
Analysis Date:	03/18/2014 1249			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		26	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		21	330
2,4,5-Trichlorophenol		ND		9.3	330
2,4,6-Trichlorophenol		ND		9.3	330
2,4-Dichlorophenol		ND		9.3	330
2,4-Dimethylphenol		ND		61	330
2,4-Dinitrophenol		ND		310	1600
2,4-Dinitrotoluene		ND		61	330
2,6-Dinitrotoluene		ND		26	330
2-Chloronaphthalene		ND		9.3	330
2-Chlorophenol		ND		20	330
2-Methylnaphthalene		ND		18	330
2-Methylphenol		ND		12	330
2-Nitroaniline		ND		47	1600
2-Nitrophenol		ND		9.3	330
3 & 4 Methylphenol		49	J	31	330
3,3'-Dichlorobenzidine		ND		84	660
3-Nitroaniline		ND		68	1600
4,6-Dinitro-2-methylphenol		ND		310	1600
4-Bromophenyl phenyl ether		ND		18	330
4-Chloro-3-methylphenol		ND		61	330
4-Chloroaniline		ND		76	330
4-Chlorophenyl phenyl ether		ND		20	330
4-Nitroaniline		ND		68	1600
4-Nitrophenol		ND		90	1600
Acenaphthene		ND		9.6	330
Acenaphthylene		ND		16	330
Acetophenone		ND		19	330
Anthracene		ND		16	330
Atrazine		ND		34	330
Benzidine		ND		920	3300
Benzo[a]anthracene		ND		19	330
Benzo[a]pyrene		ND		19	330
Benzo[b]fluoranthene		ND		24	330
Benzo[g,h,i]perylene		ND		15	330
Benzo[k]fluoranthene		ND		37	330
Bis(2-chloroethoxy)methane		ND		21	330
Bis(2-chloroethyl)ether		ND		15	330
Bis(2-ethylhexyl) phthalate		ND		43	330
Butyl benzyl phthalate		ND		40	330
Caprolactam		ND		99	1600
Carbazole		ND		34	330
Chrysene		ND		25	330
Cresols, Total		49	J	12	330
Dibenz(a,h)anthracene		ND		18	330

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-12-0.0 TO 0.5'**

Lab Sample ID: 280-52916-12

Client Matrix: Solid

Date Sampled: 03/10/2014 1155

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217198	Instrument ID:	SMS_D
Prep Method:	3550C	Prep Batch:	280-216531	Lab File ID:	D4045.D
Dilution:	1.0			Initial Weight/Volume:	32.2 g
Analysis Date:	03/18/2014 1249			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		19	330
Diethyl phthalate		ND		24	660
Dimethyl phthalate		61	J	21	330
Di-n-butyl phthalate		ND		27	330
Di-n-octyl phthalate		ND		13	330
Fluoranthene		ND		34	330
Fluorene		ND		17	330
Hexachlorobenzene		ND		27	330
Hexachlorobutadiene		ND		9.3	330
Hexachlorocyclopentadiene		ND		47	1600
Hexachloroethane		ND		20	330
Indeno[1,2,3-cd]pyrene		ND		20	330
Naphthalene		ND		29	330
Nitrobenzene		ND		20	330
N-Nitrosodi-n-propylamine		ND		29	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		20	330
Pentachlorophenol		ND		310	1600
Phenanthrene		ND		16	330
Phenol		94	J	17	330
Pyrene		ND		11	330

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	83		51 - 120
2-Fluorobiphenyl	73		50 - 120
2-Fluorophenol	76		53 - 120
Nitrobenzene-d5	76		50 - 120
Phenol-d5	79		52 - 120
Terphenyl-d14	84		55 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **EB1**

Lab Sample ID: 280-52916-13EB

Client Matrix: Water

Date Sampled: 03/10/2014 1400

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216909	Instrument ID:	SMS_G6
Prep Method:	3520C	Prep Batch:	280-216395	Lab File ID:	G6_12714.D
Dilution:	1.0			Initial Weight/Volume:	539.2 mL
Analysis Date:	03/14/2014 1601			Final Weight/Volume:	1 mL
Prep Date:	03/11/2014 1725			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	ND		0.52	4.0
1,4-Dichlorobenzene	ND		0.59	4.0
2,2'-oxybis[1-chloropropane]	ND		0.52	10
2,4,5-Trichlorophenol	ND		0.83	10
2,4,6-Trichlorophenol	ND		0.54	10
2,4-Dichlorophenol	ND		1.2	10
2,4-Dimethylphenol	ND		1.1	10
2,4-Dinitrophenol	ND		19	30
2,4-Dinitrotoluene	ND		3.1	10
2,6-Dinitrotoluene	ND		3.5	10
2-Chloronaphthalene	ND		0.48	4.0
2-Chlorophenol	ND		3.7	10
2-Methylnaphthalene	ND		0.54	4.0
2-Methylphenol	ND		1.8	10
2-Nitroaniline	ND		3.2	10
2-Nitrophenol	ND		0.72	10
3 & 4 Methylphenol	ND		0.46	10
3,3'-Dichlorobenzidine	ND		3.7	50
3-Nitroaniline	ND		3.7	10
4,6-Dinitro-2-methylphenol	ND		7.4	50
4-Bromophenyl phenyl ether	ND		0.80	10
4-Chloro-3-methylphenol	ND		4.5	10
4-Chloroaniline	ND		4.0	10
4-Chlorophenyl phenyl ether	ND		3.1	10
4-Nitroaniline	ND		3.7	10
4-Nitrophenol	ND		2.3	10
Acenaphthene	ND		0.52	4.0
Acenaphthylene	ND		0.91	4.0
Acetophenone	ND		0.45	10
Anthracene	ND		0.78	4.0
Atrazine	ND		1.4	10
Benzidine	ND		93	100
Benzo[a]anthracene	ND		0.65	4.0
Benzo[a]pyrene	ND		0.57	4.0
Benzo[b]fluoranthene	ND		0.98	4.0
Benzo[g,h,i]perylene	ND		0.93	4.0
Benzo[k]fluoranthene	ND		0.85	4.0
Bis(2-chloroethoxy)methane	ND		1.8	10
Bis(2-chloroethyl)ether	ND		0.76	10
Bis(2-ethylhexyl) phthalate	ND		1.0	10
Butyl benzyl phthalate	ND		1.9	4.0
Caprolactam	ND		9.3	10
Carbazole	ND		0.80	4.0
Chrysene	ND		1.0	4.0
Cresols, Total	ND		0.46	10
Dibenz(a,h)anthracene	ND		0.95	4.0

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **EB1**

Lab Sample ID: 280-52916-13EB

Client Matrix: Water

Date Sampled: 03/10/2014 1400

Date Received: 03/11/2014 0920

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-216909	Instrument ID:	SMS_G6
Prep Method:	3520C	Prep Batch:	280-216395	Lab File ID:	G6_12714.D
Dilution:	1.0			Initial Weight/Volume:	539.2 mL
Analysis Date:	03/14/2014 1601			Final Weight/Volume:	1 mL
Prep Date:	03/11/2014 1725			Injection Volume:	0.5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.54	4.0
Diethyl phthalate	ND		0.70	4.0
Dimethyl phthalate	ND		0.39	4.0
Di-n-butyl phthalate	ND		2.2	4.0
Di-n-octyl phthalate	ND		0.65	4.0
Fluoranthene	ND		0.37	4.0
Fluorene	ND		0.57	4.0
Hexachlorobenzene	ND		1.2	10
Hexachlorobutadiene	ND		6.1	10
Hexachlorocyclopentadiene	ND		19	50
Hexachloroethane	ND		3.9	10
Indeno[1,2,3-cd]pyrene	ND		1.2	4.0
Naphthalene	ND		0.54	4.0
Nitrobenzene	ND		1.5	10
N-Nitrosodi-n-propylamine	ND		0.65	10
n-Nitrosodiphenylamine(as diphenylamine)	ND		0.82	10
Pentachlorophenol	ND		37	50
Phenanthrene	ND		0.48	4.0
Phenol	ND		3.7	10
Pyrene	ND		0.69	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	62		52 - 113
2-Fluorophenol	57		41 - 117
2-Fluorobiphenyl	60		48 - 104
2,4,6-Tribromophenol	58		48 - 126
Terphenyl-d14	86		41 - 138
Phenol-d5	61		46 - 120

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-01-0.0 TO 0.5'**

Lab Sample ID: 280-52916-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1355

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.69 g
Analysis Date:	03/12/2014 1903			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		30		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-02-0.0 TO 0.5'**

Lab Sample ID: 280-52916-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1345

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.53 g
Analysis Date:	03/12/2014 1914			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		27		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-03-0.0 TO 0.5'**

Lab Sample ID: 280-52916-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1330

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.61 g
Analysis Date:	03/12/2014 1917			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		24		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-04-0.0 TO 0.5'**

Lab Sample ID: 280-52916-4

Client Matrix: Solid

Date Sampled: 03/10/2014 1310

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.69 g
Analysis Date:	03/12/2014 1919			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		27		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-05-0.0 TO 0.5'**

Lab Sample ID: 280-52916-5

Client Matrix: Solid

Date Sampled: 03/10/2014 1320

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.59 g
Analysis Date:	03/12/2014 1921			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		43		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-06-0.0 TO 0.5'**

Lab Sample ID: 280-52916-6

Client Matrix: Solid

Date Sampled: 03/10/2014 1325

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.57 g
Analysis Date:	03/12/2014 1924			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		39		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-07-0.0 TO 0.5'**

Lab Sample ID: 280-52916-7

Client Matrix: Solid

Date Sampled: 03/10/2014 1255

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.65 g
Analysis Date:	03/12/2014 1926			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		37		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-08-0.0 TO 0.5'**

Lab Sample ID: 280-52916-8

Client Matrix: Solid

Date Sampled: 03/10/2014 1250

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.57 g
Analysis Date:	03/12/2014 1928			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		55		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-09-0.0 TO 0.5'**

Lab Sample ID: 280-52916-9

Client Matrix: Solid

Date Sampled: 03/10/2014 1240

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.62 g
Analysis Date:	03/12/2014 1930			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		34		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-10-0.0 TO 0.5'**

Lab Sample ID: 280-52916-10

Client Matrix: Solid

Date Sampled: 03/10/2014 1230

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.56 g
Analysis Date:	03/12/2014 1933			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		30		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-11-0.0 TO 0.5'**

Lab Sample ID: 280-52916-11

Client Matrix: Solid

Date Sampled: 03/10/2014 1205

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.67 g
Analysis Date:	03/12/2014 1935			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		29		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **SS-12-0.0 TO 0.5'**

Lab Sample ID: 280-52916-12

Client Matrix: Solid

Date Sampled: 03/10/2014 1155

Date Received: 03/11/2014 0920

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0			Initial Weight/Volume:	.62 g
Analysis Date:	03/12/2014 1942			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Mercury		28		17

Client: Waste Management

Job Number: 280-52916-1

Client Sample ID: **EB1**

Lab Sample ID: 280-52916-13EB

Client Matrix: Water

Date Sampled: 03/10/2014 1400

Date Received: 03/11/2014 0920

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	280-216899	Instrument ID:	MT_034
Prep Method:	7470A	Prep Batch:	280-216594	Lab File ID:	140313taa.txt
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 2205			Final Weight/Volume:	30 mL
Prep Date:	03/13/2014 1140				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	ND		0.20

General Chemistry

Client Sample ID: **SS-01-0.0 TO 0.5'**

Lab Sample ID: 280-52916-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1355

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.24	J	mg/Kg	0.11	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1202						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2020						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-02-0.0 TO 0.5'**

Lab Sample ID: 280-52916-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1345

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.17	J	mg/Kg	0.11	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1206						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.33	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2129						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-03-0.0 TO 0.5'**

Lab Sample ID: 280-52916-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1330

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.14	J	mg/Kg	0.11	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1208						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2147						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-04-0.0 TO 0.5'**

Lab Sample ID: 280-52916-4

Client Matrix: Solid

Date Sampled: 03/10/2014 1310

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.18	J	mg/Kg	0.11	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1217						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2204						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-05-0.0 TO 0.5'**

Lab Sample ID: 280-52916-5

Client Matrix: Solid

Date Sampled: 03/10/2014 1320

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.27	J	mg/Kg	0.10	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1218						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.33	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2256						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-06-0.0 TO 0.5'**

Lab Sample ID: 280-52916-6

Client Matrix: Solid

Date Sampled: 03/10/2014 1325

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.14	J	mg/Kg	0.11	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1220						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.33	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2313						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-07-0.0 TO 0.5'**

Lab Sample ID: 280-52916-7

Client Matrix: Solid

Date Sampled: 03/10/2014 1255

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.14	J	mg/Kg	0.10	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1221						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.33	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2330						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-08-0.0 TO 0.5'**

Lab Sample ID: 280-52916-8

Client Matrix: Solid

Date Sampled: 03/10/2014 1250

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.12	J	mg/Kg	0.097	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1223						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/18/2014 2348						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-09-0.0 TO 0.5'**

Lab Sample ID: 280-52916-9

Client Matrix: Solid

Date Sampled: 03/10/2014 1240

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.17	J	mg/Kg	0.10	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1224						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.33	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/19/2014 0005						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-10-0.0 TO 0.5'**

Lab Sample ID: 280-52916-10

Client Matrix: Solid

Date Sampled: 03/10/2014 1230

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.15	J	mg/Kg	0.10	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1226						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.33	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/19/2014 0022						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-11-0.0 TO 0.5'**

Lab Sample ID: 280-52916-11

Client Matrix: Solid

Date Sampled: 03/10/2014 1205

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.21	J	mg/Kg	0.098	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1230						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/19/2014 0040						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-12-0.0 TO 0.5'**

Lab Sample ID: 280-52916-12

Client Matrix: Solid

Date Sampled: 03/10/2014 1155

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.24	J	mg/Kg	0.10	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1239						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217240	Analysis Date: 03/19/2014 0057						DryWt Corrected: N

General Chemistry

Client Sample ID: **EB1**

Lab Sample ID: 280-52916-13EB

Client Matrix: Water

Date Sampled: 03/10/2014 1400

Date Received: 03/11/2014 0920

Analyte	Result	Qual	Units		RL	Dil	Method
Nitrite as N	ND		mg/L		0.50	1.0	300.0
Analysis Batch: 280-216355	Analysis Date: 03/11/2014 2100						
Cyanide, Total	ND		mg/L	0.0020	0.010	1.0	335.4
Analysis Batch: 280-217461	Analysis Date: 03/19/2014 1145						
Prep Batch: 280-216717	Prep Date: 03/13/2014 1146						

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-52916-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	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
	N	This flag indicates the presumptive evidence of a compound.
GC/MS Semi VOA		
	F1	MS and/or MSD Recovery 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.
Metals		
	F1	MS and/or MSD Recovery exceeds the control limits
General Chemistry		
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds 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: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:280-216431					
LCS 280-216431/4	Lab Control Sample	T	Water	8260B	
MB 280-216431/5	Method Blank	T	Water	8260B	
280-52916-13EB	EB1	T	Water	8260B	
280-52920-C-6 MS	Matrix Spike	T	Water	8260B	
280-52920-C-6 MSD	Matrix Spike Duplicate	T	Water	8260B	
Prep Batch: 280-216786					
LCS 280-216786/2-A	Lab Control Sample	T	Solid	5030B	
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	5030B	
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	5030B	
280-52916-2MS	Matrix Spike	T	Solid	5030B	
280-52916-2MSD	Matrix Spike Duplicate	T	Solid	5030B	
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	5030B	
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	5030B	
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	5030B	
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	5030B	
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	5030B	
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	5030B	
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	5030B	
Analysis Batch:280-216793					
MB 280-216793/8	Method Blank	T	Solid	8260B	
LCS 280-216786/2-A	Lab Control Sample	T	Solid	8260B	280-216786
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-2MS	Matrix Spike	T	Solid	8260B	280-216786
280-52916-2MSD	Matrix Spike Duplicate	T	Solid	8260B	280-216786
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	8260B	280-216786
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	8260B	280-216786
Analysis Batch:280-216955					
LCS 280-217182/2-A	Lab Control Sample	T	Solid	8260B	280-217182
MB 280-217182/1-A	Method Blank	T	Solid	8260B	280-217182
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	8260B	280-217182
280-53132-A-1-B MS	Matrix Spike	T	Solid	8260B	280-217182
280-53132-A-1-C MSD	Matrix Spike Duplicate	T	Solid	8260B	280-217182

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-217182					
LCS 280-217182/2-A	Lab Control Sample	T	Solid	5030B	
MB 280-217182/1-A	Method Blank	T	Solid	5030B	
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	5030B	
280-53132-A-1-B MS	Matrix Spike	T	Solid	5030B	
280-53132-A-1-C MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:280-217219					
LCS 280-217251/2-A	Lab Control Sample	T	Solid	8260B	280-217251
MB 280-217251/1-A	Method Blank	T	Solid	8260B	280-217251
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	8260B	280-217251
280-52916-6MS	Matrix Spike	T	Solid	8260B	280-217251
280-52916-6MSD	Matrix Spike Duplicate	T	Solid	8260B	280-217251
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	8260B	280-217251
Prep Batch: 280-217251					
LCS 280-217251/2-A	Lab Control Sample	T	Solid	5030B	
MB 280-217251/1-A	Method Blank	T	Solid	5030B	
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	5030B	
280-52916-6MS	Matrix Spike	T	Solid	5030B	
280-52916-6MSD	Matrix Spike Duplicate	T	Solid	5030B	
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	5030B	

Report Basis

T = Total

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-216395					
LCS 280-216395/2-A	Lab Control Sample	T	Water	3520C	
LCSD 280-216395/3-A	Lab Control Sample Duplicate	T	Water	3520C	
MB 280-216395/1-A	Method Blank	T	Water	3520C	
280-52916-13EB	EB1	T	Water	3520C	
Prep Batch: 280-216531					
LCS 280-216531/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-216531/1-A	Method Blank	T	Solid	3550C	
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	3550C	
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	3550C	
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	3550C	
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	3550C	
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	3550C	
280-52916-5MS	Matrix Spike	T	Solid	3550C	
280-52916-5MSD	Matrix Spike Duplicate	T	Solid	3550C	
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	3550C	
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	3550C	
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	3550C	
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	3550C	
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	3550C	
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	3550C	
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	3550C	
Analysis Batch:280-216902					
LCS 280-216531/2-A	Lab Control Sample	T	Solid	8270C	280-216531
MB 280-216531/1-A	Method Blank	T	Solid	8270C	280-216531
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-5MS	Matrix Spike	T	Solid	8270C	280-216531
280-52916-5MSD	Matrix Spike Duplicate	T	Solid	8270C	280-216531
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	8270C	280-216531
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	8270C	280-216531
Analysis Batch:280-216909					
LCS 280-216395/2-A	Lab Control Sample	T	Water	8270C	280-216395
LCSD 280-216395/3-A	Lab Control Sample Duplicate	T	Water	8270C	280-216395
MB 280-216395/1-A	Method Blank	T	Water	8270C	280-216395
280-52916-13EB	EB1	T	Water	8270C	280-216395

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:280-217198					
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	8270C	280-216531

Report Basis

T = Total

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-216467					
LCS 280-216467/2-A	Lab Control Sample	T	Solid	7471A	
MB 280-216467/1-A	Method Blank	T	Solid	7471A	
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	7471A	
280-52916-1MS	Matrix Spike	T	Solid	7471A	
280-52916-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	7471A	
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	7471A	
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	7471A	
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	7471A	
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	7471A	
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	7471A	
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	7471A	
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	7471A	
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	7471A	
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	7471A	
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	7471A	
Prep Batch: 280-216594					
LCS 280-216594/2-A	Lab Control Sample	T	Water	7470A	
MB 280-216594/1-A	Method Blank	T	Water	7470A	
280-52916-13EB	EB1	T	Water	7470A	
280-52939-L-1-E MS	Matrix Spike	T	Water	7470A	
280-52939-L-1-F MSD	Matrix Spike Duplicate	T	Water	7470A	
Analysis Batch:280-216718					
LCS 280-216467/2-A	Lab Control Sample	T	Solid	7471A	280-216467
MB 280-216467/1-A	Method Blank	T	Solid	7471A	280-216467
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-1MS	Matrix Spike	T	Solid	7471A	280-216467
280-52916-1MSD	Matrix Spike Duplicate	T	Solid	7471A	280-216467
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	7471A	280-216467
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	7471A	280-216467

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-216899					
LCS 280-216594/2-A	Lab Control Sample	T	Water	7470A	280-216594
MB 280-216594/1-A	Method Blank	T	Water	7470A	280-216594
280-52916-13EB	EB1	T	Water	7470A	280-216594
280-52939-L-1-E MS	Matrix Spike	T	Water	7470A	280-216594
280-52939-L-1-F MSD	Matrix Spike Duplicate	T	Water	7470A	280-216594

Report Basis

T = Total

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-216355					
LCS 280-216355/4	Lab Control Sample	T	Water	300.0	
LCSD 280-216355/5	Lab Control Sample Duplicate	T	Water	300.0	
MB 280-216355/6	Method Blank	T	Water	300.0	
280-52916-13EB	EB1	T	Water	300.0	
280-52918-A-6 DU	Duplicate	T	Water	300.0	
280-52918-A-6 MS	Matrix Spike	T	Water	300.0	
280-52918-A-6 MSD	Matrix Spike Duplicate	T	Water	300.0	
Prep Batch: 280-216678					
HLCS 280-216678/1-A	High Level Control Sample	T	Solid	9012A	
LCS 280-216678/3-A	Lab Control Sample	T	Solid	9012A	
LCSD 280-216678/4-A	Lab Control Sample Duplicate	T	Solid	9012A	
LLCS 280-216678/2-A	Low Level Control Sample	T	Solid	9012A	
MB 280-216678/5-A	Method Blank	T	Solid	9012A	
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	9012A	
280-52916-1MS	Matrix Spike	T	Solid	9012A	
280-52916-1MSD	Matrix Spike Duplicate	T	Solid	9012A	
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	9012A	
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	9012A	
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	9012A	
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	9012A	
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	9012A	
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	9012A	
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	9012A	
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	9012A	
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	9012A	
280-52916-10MS	Matrix Spike	T	Solid	9012A	
280-52916-10MSD	Matrix Spike Duplicate	T	Solid	9012A	
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	9012A	
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	9012A	
Prep Batch: 280-216717					
HLCS 280-216717/1-A	High Level Control Sample	T	Water	Distill/CN	
LCS 280-216717/3-A	Lab Control Sample	T	Water	Distill/CN	
LCSD 280-216717/4-A	Lab Control Sample Duplicate	T	Water	Distill/CN	
LLCS 280-216717/2-A	Low Level Control Sample	T	Water	Distill/CN	
MB 280-216717/5-A	Method Blank	T	Water	Distill/CN	
280-52916-13EB	EB1	T	Water	Distill/CN	

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-217240					
LCS 280-217306/1-A	Lab Control Sample	S	Solid	9056	
LCSD 280-217306/2-A	Lab Control Sample Duplicate	S	Solid	9056	
MB 280-217306/3-A	Method Blank	S	Solid	9056	
280-52916-1	SS-01-0.0 TO 0.5'	S	Solid	9056	
280-52916-1DU	Duplicate	S	Solid	9056	
280-52916-1MS	Matrix Spike	S	Solid	9056	
280-52916-1MSD	Matrix Spike Duplicate	S	Solid	9056	
280-52916-2	SS-02-0.0 TO 0.5'	S	Solid	9056	
280-52916-3	SS-03-0.0 TO 0.5'	S	Solid	9056	
280-52916-4	SS-04-0.0 TO 0.5'	S	Solid	9056	
280-52916-5	SS-05-0.0 TO 0.5'	S	Solid	9056	
280-52916-6	SS-06-0.0 TO 0.5'	S	Solid	9056	
280-52916-7	SS-07-0.0 TO 0.5'	S	Solid	9056	
280-52916-8	SS-08-0.0 TO 0.5'	S	Solid	9056	
280-52916-9	SS-09-0.0 TO 0.5'	S	Solid	9056	
280-52916-10	SS-10-0.0 TO 0.5'	S	Solid	9056	
280-52916-11	SS-11-0.0 TO 0.5'	S	Solid	9056	
280-52916-12	SS-12-0.0 TO 0.5'	S	Solid	9056	
280-52916-12DU	Duplicate	S	Solid	9056	
280-52916-12MS	Matrix Spike	S	Solid	9056	
280-52916-12MSD	Matrix Spike Duplicate	S	Solid	9056	
Prep Batch: 280-217306					
LCS 280-217306/1-A	Lab Control Sample	S	Solid	DI Leach	
LCSD 280-217306/2-A	Lab Control Sample Duplicate	S	Solid	DI Leach	
MB 280-217306/3-A	Method Blank	S	Solid	DI Leach	
280-52916-1	SS-01-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-1DU	Duplicate	S	Solid	DI Leach	
280-52916-1MS	Matrix Spike	S	Solid	DI Leach	
280-52916-1MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
280-52916-2	SS-02-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-3	SS-03-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-4	SS-04-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-5	SS-05-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-6	SS-06-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-7	SS-07-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-8	SS-08-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-9	SS-09-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-10	SS-10-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-11	SS-11-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-12	SS-12-0.0 TO 0.5'	S	Solid	DI Leach	
280-52916-12DU	Duplicate	S	Solid	DI Leach	
280-52916-12MS	Matrix Spike	S	Solid	DI Leach	
280-52916-12MSD	Matrix Spike Duplicate	S	Solid	DI Leach	

Client: Waste Management

Job Number: 280-52916-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:280-217307					
HLCS 280-216678/1-A	High Level Control Sample	T	Solid	9012A	280-216678
LCS 280-216678/3-A	Lab Control Sample	T	Solid	9012A	280-216678
LCSD 280-216678/4-A	Lab Control Sample Duplicate	T	Solid	9012A	280-216678
LLCS 280-216678/2-A	Low Level Control Sample	T	Solid	9012A	280-216678
MB 280-216678/5-A	Method Blank	T	Solid	9012A	280-216678
280-52916-1	SS-01-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-1MS	Matrix Spike	T	Solid	9012A	280-216678
280-52916-1MSD	Matrix Spike Duplicate	T	Solid	9012A	280-216678
280-52916-2	SS-02-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-3	SS-03-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-4	SS-04-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-5	SS-05-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-6	SS-06-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-7	SS-07-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-8	SS-08-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-9	SS-09-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-10	SS-10-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-10MS	Matrix Spike	T	Solid	9012A	280-216678
280-52916-10MSD	Matrix Spike Duplicate	T	Solid	9012A	280-216678
280-52916-11	SS-11-0.0 TO 0.5'	T	Solid	9012A	280-216678
280-52916-12	SS-12-0.0 TO 0.5'	T	Solid	9012A	280-216678
Analysis Batch:280-217461					
HLCS 280-216717/1-A	High Level Control Sample	T	Water	335.4	280-216717
LCS 280-216717/3-A	Lab Control Sample	T	Water	335.4	280-216717
LCSD 280-216717/4-A	Lab Control Sample Duplicate	T	Water	335.4	280-216717
LLCS 280-216717/2-A	Low Level Control Sample	T	Water	335.4	280-216717
MB 280-216717/5-A	Method Blank	T	Water	335.4	280-216717
280-52916-13EB	EB1	T	Water	335.4	280-216717

Report Basis

S = Soluble

T = Total

Client: Waste Management

Job Number: 280-52916-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
MB 280-216793/8		91	109	100	111
MB 280-217182/1-A		86	108	95	106
LCS 280-216786/2-A		86	101	97	108
LCS 280-217182/2-A		86	105	97	108
280-52916-2 MS	SS-02-0.0 TO 0.5' MS	98	107	101	111
280-53132-A-1-B MS		96	107	104	114
280-52916-2 MSD	SS-02-0.0 TO 0.5' MSD	88	111	98	110
280-53132-A-1-C MSD		85	100	95	106

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	58-140
BFB = 4-Bromofluorobenzene (Surr)	76-127
DBFM = Dibromofluoromethane (Surr)	75-121
TOL = Toluene-d8 (Surr)	80-126

Client: Waste Management

Job Number: 280-52916-1

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
280-52916-1	SS-01-0.0 TO 0.5'	96	117	116	102
280-52916-2	SS-02-0.0 TO 0.5'	92	114	115	97
280-52916-3	SS-03-0.0 TO 0.5'	95	116	113	101
280-52916-4	SS-04-0.0 TO 0.5'	96	124	133X	102
280-52916-5	SS-05-0.0 TO 0.5'	92	131X	139X	99
280-52916-7	SS-07-0.0 TO 0.5'	96	126	132X	104
280-52916-8	SS-08-0.0 TO 0.5'	89	131X	139X	103
280-52916-9	SS-09-0.0 TO 0.5'	94	121	130X	99
280-52916-10	SS-10-0.0 TO 0.5'	91	120	128X	97
280-52916-12	SS-12-0.0 TO 0.5'	95	115	111	99

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	58-140
TOL = Toluene-d8 (Surr)	80-126
BFB = 4-Bromofluorobenzene (Surr)	76-127
DBFM = Dibromofluoromethane (Surr)	75-121

Client: Waste Management

Job Number: 280-52916-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
MB 280-217251/1-A		98	108	98	108
LCS 280-217251/2-A		96	98	98	104
280-52916-6 MS	SS-06-0.0 TO 0.5' MS	68	69	69	73
280-52916-6 MSD	SS-06-0.0 TO 0.5' MSD	64	67	68	69

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

Client: Waste Management

Job Number: 280-52916-1

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
280-52916-6	SS-06-0.0 TO 0.5'	66	75	71	68
280-52916-11	SS-11-0.0 TO 0.5'	67	73	72	69

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: 280-52916-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
280-52916-13	EB1	93	86	97	94
MB 280-216431/5		111	103	113	105
LCS 280-216431/4		92	85	96	92
280-52920-C-6 MS		92	82	98	87
280-52920-C-6 MSD		93	80	96	87

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-127
BFB = 4-Bromofluorobenzene (Surr)	78-120
DBFM = Dibromofluoromethane (Surr)	77-120
TOL = Toluene-d8 (Surr)	80-125

Client: Waste Management

Job Number: 280-52916-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
280-52916-1	SS-01-0.0 TO 0.5'	79	61	60	61	63	85
280-52916-2	SS-02-0.0 TO 0.5'	85	75	76	77	77	90
280-52916-3	SS-03-0.0 TO 0.5'	81	74	78	79	80	88
280-52916-4	SS-04-0.0 TO 0.5'	83	73	79	78	79	86
280-52916-5	SS-05-0.0 TO 0.5'	74D	74D	69D	67D	76D	81D
280-52916-6	SS-06-0.0 TO 0.5'	83	74	72	72	76	87
280-52916-7	SS-07-0.0 TO 0.5'	79	70	72	73	76	86
280-52916-8	SS-08-0.0 TO 0.5'	84	75	72	73	79	90
280-52916-9	SS-09-0.0 TO 0.5'	81	71	75	75	76	87
280-52916-10	SS-10-0.0 TO 0.5'	79	74	77	77	78	87
280-52916-11	SS-11-0.0 TO 0.5'	85	74	77	76	79	90
280-52916-12	SS-12-0.0 TO 0.5'	83	73	76	76	79	84
MB 280-216531/1-A		72	78	78	82	80	88
LCS 280-216531/2-A		84	79	81	80	81	88
280-52916-5 MS	SS-05-0.0 TO 0.5' MS	78D	77D	73D	70D	78D	82D
280-52916-5 MSD	SS-05-0.0 TO 0.5' MSD	74D	82D	76D	76D	83D	88D

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol	51-120
FBP = 2-Fluorobiphenyl	50-120
2FP = 2-Fluorophenol	53-120
NBZ = Nitrobenzene-d5	50-120
PHL = Phenol-d5	52-120
TPH = Terphenyl-d14	55-120

Client: Waste Management

Job Number: 280-52916-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	NBZ %Rec	2FP %Rec	FBP %Rec	TBP %Rec	TPH %Rec	PHL %Rec
280-52916-13	EB1	62	57	60	58	86	61

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	52-113
2FP = 2-Fluorophenol	41-117
FBP = 2-Fluorobiphenyl	48-104
TBP = 2,4,6-Tribromophenol	48-126
TPH = Terphenyl-d14	41-138
PHL = Phenol-d5	46-120

Client: Waste Management

Job Number: 280-52916-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	NBZ %Rec	PHL %Rec	TPH %Rec
MB 280-216395/1-A		73	75	68	77	75	88
LCS 280-216395/2-A		81	74	65	72	69	85
LCSD 280-216395/3-A		86	75	68	72	72	91

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol	48-126
FBP = 2-Fluorobiphenyl	48-104
2FP = 2-Fluorophenol	41-117
NBZ = Nitrobenzene-d5	52-113
PHL = Phenol-d5	46-120
TPH = Terphenyl-d14	41-138

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216431

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-216431/5	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R3233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0736	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0736				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.21	1.0
1,1,1-Trichloroethane	ND		0.16	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.27	1.0
1,1-Dichloroethane	ND		0.22	1.0
1,1-Dichloroethene	ND		0.23	1.0
1,1-Dichloropropene	ND		0.19	1.0
1,2,3-Trichlorobenzene	ND		0.21	1.0
1,2,3-Trichloropropane	ND		0.33	1.0
1,2,4-Trichlorobenzene	ND		0.21	1.0
1,2,4-Trimethylbenzene	ND		0.15	1.0
1,2-Dibromo-3-Chloropropane	ND		0.47	5.0
1,2-Dibromoethane	ND		0.18	1.0
1,2-Dichlorobenzene	ND		0.15	1.0
1,2-Dichloroethane	ND		0.13	1.0
1,2-Dichloropropane	ND		0.18	1.0
1,3,5-Trimethylbenzene	ND		0.16	1.0
1,3-Dichlorobenzene	ND		0.13	1.0
1,3-Dichloropropane	ND		0.22	1.0
1,4-Dichlorobenzene	ND		0.16	1.0
2,2-Dichloropropane	ND		0.18	5.0
2-Butanone (MEK)	ND		2.0	6.0
2-Chlorotoluene	ND		0.17	1.0
2-Hexanone	ND		1.7	5.0
4-Chlorotoluene	ND		0.21	1.0
4-Isopropyltoluene	ND		0.20	1.0
4-Methyl-2-pentanone	ND		0.98	5.0
Acetone	ND		1.9	10
Benzene	ND		0.16	1.0
Bromobenzene	ND		0.17	1.0
Bromochloromethane	ND		0.10	1.0
Bromodichloromethane	ND		0.17	1.0
Bromoform	ND		0.19	1.0
Bromomethane	ND		0.21	2.0
Carbon disulfide	ND		0.45	2.0
Carbon tetrachloride	ND		0.19	1.0
Chlorobenzene	ND		0.17	1.0
Chloroethane	ND		0.41	2.0
Chloroform	ND		0.16	1.0
Chloromethane	ND		0.30	2.0
cis-1,2-Dichloroethene	ND		0.15	1.0
cis-1,3-Dichloropropene	ND		0.16	1.0
Dibromochloromethane	ND		0.17	1.0
Dibromomethane	ND		0.17	1.0
Dichlorodifluoromethane	ND		0.31	2.0

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216431

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-216431/5	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R3233.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0736	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0736				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethylbenzene	ND		0.16	1.0
Hexachlorobutadiene	ND		0.36	1.0
Isopropylbenzene	ND		0.19	1.0
Methylene Chloride	0.731	J	0.32	5.0
Naphthalene	ND		0.22	1.0
n-Butylbenzene	ND		0.32	1.0
N-Propylbenzene	ND		0.16	1.0
sec-Butylbenzene	ND		0.17	1.0
Styrene	ND		0.17	1.0
tert-Butylbenzene	ND		0.16	1.0
Tetrachloroethene	ND		0.20	1.0
Toluene	ND		0.17	1.0
trans-1,2-Dichloroethene	ND		0.15	1.0
trans-1,3-Dichloropropene	ND		0.19	3.0
Trichloroethene	ND		0.16	1.0
Trichlorofluoromethane	ND		0.29	2.0
Vinyl chloride	ND		0.10	1.0
Xylenes (total)	ND		0.19	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	70 - 127
4-Bromofluorobenzene (Surr)	103	78 - 120
Dibromofluoromethane (Surr)	113	77 - 120
Toluene-d8 (Surr)	105	80 - 125

Method Blank TICs- Batch: 280-216431

Cas Number	Analyte	RT	Est. Result (ug/L	Qual
3789-85-3	Benzoic acid, 2-[(trimethylsilyl)oxy]-,	12.05	2.99	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	10.53	5.47	T J N
115-07-1	Propene	3.71	1.71	T J N

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample - Batch: 280-216431

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-216431/4	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R3232.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0704	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0704				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	5.00	5.54	111	70 - 135	
1,1-Dichloroethane	5.00	4.91	98	75 - 135	
1,1-Dichloroethene	5.00	4.98	100	71 - 136	
1,2-Dichloropropane	5.00	4.44	89	71 - 120	
1,3-Dichlorobenzene	5.00	4.78	96	74 - 135	
Benzene	5.00	4.86	97	74 - 135	
Bromodichloromethane	5.00	4.94	99	73 - 135	
Carbon tetrachloride	5.00	5.90	118	67 - 135	
Chlorobenzene	5.00	4.74	95	76 - 135	
Chloroform	5.00	5.10	102	76 - 120	
Ethylbenzene	5.00	4.75	95	72 - 120	
Methylene Chloride	5.00	5.57	111	54 - 141	
Tetrachloroethene	5.00	5.19	104	70 - 135	
Toluene	5.00	5.28	106	73 - 120	
trans-1,2-Dichloroethene	5.00	5.37	107	75 - 135	
Trichloroethene	5.00	5.11	102	73 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	70 - 127
4-Bromofluorobenzene (Surr)	85	78 - 120
Dibromofluoromethane (Surr)	96	77 - 120
Toluene-d8 (Surr)	92	80 - 125

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216431

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-52920-C-6 MS	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R3237.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0903			Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0903				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-52920-C-6 MSD	Analysis Batch:	280-216431	Instrument ID:	VMS_R1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	R3238.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	03/12/2014 0925			Final Weight/Volume:	20 mL
Prep Date:	03/12/2014 0925				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	111	112	70 - 135	1	20		
1,1-Dichloroethane	93	92	75 - 135	0	21		
1,1-Dichloroethene	98	98	71 - 136	0	20		
1,2-Dichloropropane	89	93	71 - 120	4	20		
1,3-Dichlorobenzene	89	91	74 - 135	2	20		
Benzene	95	98	74 - 135	3	20		
Bromodichloromethane	98	104	73 - 135	6	20		
Carbon tetrachloride	119	121	67 - 135	2	21		
Chlorobenzene	89	94	76 - 135	5	20		
Chloroform	100	105	76 - 120	4	20		
Ethylbenzene	88	92	72 - 120	5	26		
Methylene Chloride	98	102	54 - 141	3	20	J	
Tetrachloroethene	99	103	70 - 135	4	20		
Toluene	102	106	73 - 120	3	20		
trans-1,2-Dichloroethene	102	104	75 - 135	3	24		
Trichloroethene	99	104	73 - 135	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	93	70 - 127
4-Bromofluorobenzene (Surr)	82	80	78 - 120
Dibromofluoromethane (Surr)	98	96	77 - 120
Toluene-d8 (Surr)	87	87	80 - 125

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample - Batch: 280-216786

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-216786/2-A	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-216786	Lab File ID:	J1012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/13/2014 2100	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	46.1	92	70 - 135	
1,1-Dichloroethane	50.0	49.6	99	70 - 135	
1,1-Dichloroethene	50.0	50.3	101	79 - 135	
1,2-Dichloropropane	50.0	50.7	101	72 - 121	
1,3-Dichlorobenzene	50.0	48.8	98	69 - 135	
Benzene	50.0	50.9	102	75 - 135	
Bromodichloromethane	50.0	44.2	88	73 - 135	
Carbon tetrachloride	50.0	45.4	91	69 - 138	
Chlorobenzene	50.0	47.8	96	78 - 135	
Chloroform	50.0	46.6	93	73 - 123	
Ethylbenzene	50.0	50.9	102	73 - 125	
Methylene Chloride	50.0	54.1	108	76 - 136	
Tetrachloroethene	50.0	47.9	96	76 - 135	
Toluene	50.0	49.9	100	77 - 122	
trans-1,2-Dichloroethene	50.0	49.2	98	77 - 135	
Trichloroethene	50.0	48.1	96	77 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	58 - 140
4-Bromofluorobenzene (Surr)	101	76 - 127
Dibromofluoromethane (Surr)	97	75 - 121
Toluene-d8 (Surr)	108	80 - 126

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216786

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-52916-2	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-216786	Lab File ID:	J1018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.823 g
Analysis Date:	03/13/2014 2307			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-2	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-216786	Lab File ID:	J1019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.659 g
Analysis Date:	03/13/2014 2328			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				5 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	78	93	70 - 135	20	20		
1,1-Dichloroethane	86	101	70 - 135	20	20		
1,1-Dichloroethene	87	100	79 - 135	17	20		
1,2-Dichloropropane	87	102	72 - 121	20	20		
1,3-Dichlorobenzene	63	89	69 - 135	37	20	F1	F2
Benzene	86	102	75 - 135	21	20		F2
Bromodichloromethane	72	86	73 - 135	21	20	F1	F2
Carbon tetrachloride	74	89	69 - 138	21	20		F2
Chlorobenzene	73	91	78 - 135	26	20	F1	F2
Chloroform	80	94	73 - 123	20	20		
Ethylbenzene	77	99	73 - 125	29	20		F2
Methylene Chloride	86	100	76 - 136	18	21		
Tetrachloroethene	72	93	76 - 135	29	20	F1	F2
Toluene	81	98	77 - 122	23	20		F2
trans-1,2-Dichloroethene	79	92	77 - 135	18	20		
Trichloroethene	79	93	77 - 135	20	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	88	58 - 140
4-Bromofluorobenzene (Surr)	107	111	76 - 127
Dibromofluoromethane (Surr)	101	98	75 - 121
Toluene-d8 (Surr)	111	110	80 - 126

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216793

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 280-216793/8	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	J1009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/13/2014 1940	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.56	5.0
1,1,1-Trichloroethane	ND		0.52	5.0
1,1,2,2-Tetrachloroethane	ND		0.61	5.0
1,1,2-Trichloroethane	ND		0.88	5.0
1,1-Dichloroethane	ND		0.21	5.0
1,1-Dichloroethene	ND		0.59	5.0
1,1-Dichloropropene	ND		0.54	5.0
1,2,3-Trichlorobenzene	ND		0.75	5.0
1,2,3-Trichloropropane	ND		0.81	5.0
1,2,4-Trichlorobenzene	ND		0.73	5.0
1,2,4-Trimethylbenzene	ND		0.58	5.0
1,2-Dibromo-3-Chloropropane	ND		0.60	10
1,2-Dibromoethane	ND		0.52	5.0
1,2-Dichlorobenzene	ND		0.45	5.0
1,2-Dichloroethane	ND		0.70	5.0
1,2-Dichloropropane	ND		0.55	5.0
1,3,5-Trimethylbenzene	ND		0.57	5.0
1,3-Dichlorobenzene	ND		0.48	5.0
1,3-Dichloropropane	ND		0.51	5.0
1,4-Dichlorobenzene	ND		0.78	5.0
2,2-Dichloropropane	ND		0.44	5.0
2-Butanone (MEK)	ND		1.8	20
2-Chlorotoluene	ND		0.51	5.0
2-Hexanone	ND		4.9	20
4-Chlorotoluene	ND		0.78	5.0
4-Isopropyltoluene	ND		0.49	5.0
4-Methyl-2-pentanone	ND		4.4	20
Acetone	ND		5.4	20
Benzene	ND		0.47	5.0
Bromobenzene	ND		0.49	5.0
Bromochloromethane	ND		0.30	5.0
Bromodichloromethane	ND		0.22	5.0
Bromoform	ND		0.23	5.0
Bromomethane	ND		0.50	10
Carbon disulfide	ND		0.42	5.0
Carbon tetrachloride	ND		0.63	5.0
Chlorobenzene	ND		0.54	5.0
Chloroethane	ND		0.89	10
Chloroform	ND		0.29	10
Chloromethane	ND		0.77	10
cis-1,2-Dichloroethene	ND		0.56	2.5
cis-1,3-Dichloropropene	ND		1.3	5.0
Dibromochloromethane	ND		0.57	5.0
Dibromomethane	ND		0.84	5.0
Dichlorodifluoromethane	ND		0.52	10

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216793

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 280-216793/8	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	J1009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/13/2014 1940	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethylbenzene	ND		0.67	5.0
Hexachlorobutadiene	ND		0.55	5.0
Isopropylbenzene	ND		0.59	5.0
Methylene Chloride	5.04		1.6	5.0
Naphthalene	0.688	J	0.63	5.0
n-Butylbenzene	ND		0.56	5.0
N-Propylbenzene	ND		0.58	5.0
sec-Butylbenzene	ND		0.77	5.0
Styrene	ND		0.63	5.0
tert-Butylbenzene	ND		0.50	5.0
Tetrachloroethene	ND		0.59	5.0
Toluene	ND		0.69	5.0
trans-1,2-Dichloroethene	ND		0.39	2.5
trans-1,3-Dichloropropene	ND		0.67	5.0
Trichloroethene	ND		0.23	5.0
Trichlorofluoromethane	ND		1.0	10
Vinyl chloride	ND		1.3	5.0
Xylenes (total)	ND		0.61	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	58 - 140
4-Bromofluorobenzene (Surr)	109	76 - 127
Dibromofluoromethane (Surr)	100	75 - 121
Toluene-d8 (Surr)	111	80 - 126

Method Blank TICs- Batch: 280-216793

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
72218-58-7	3-Methylheptyl acetate	14.11	17.2	T J N
	Unknown	13.81	11.2	T J
	Unknown	10.02	5.47	T J
	Unknown	4.43	6.30	T J
	Unknown	11.20	9.54	T J

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-217182

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-217182/1-A	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-217182	Lab File ID:	J1061.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/17/2014 2042	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.56	5.0
1,1,1-Trichloroethane	ND		0.52	5.0
1,1,2,2-Tetrachloroethane	ND		0.61	5.0
1,1,2-Trichloroethane	ND		0.88	5.0
1,1-Dichloroethane	ND		0.21	5.0
1,1-Dichloroethene	ND		0.59	5.0
1,1-Dichloropropene	ND		0.54	5.0
1,2,3-Trichlorobenzene	ND		0.75	5.0
1,2,3-Trichloropropane	ND		0.81	5.0
1,2,4-Trichlorobenzene	ND		0.73	5.0
1,2,4-Trimethylbenzene	ND		0.58	5.0
1,2-Dibromo-3-Chloropropane	ND		0.60	10
1,2-Dibromoethane	ND		0.52	5.0
1,2-Dichlorobenzene	ND		0.45	5.0
1,2-Dichloroethane	ND		0.70	5.0
1,2-Dichloropropane	ND		0.55	5.0
1,3,5-Trimethylbenzene	ND		0.57	5.0
1,3-Dichlorobenzene	ND		0.48	5.0
1,3-Dichloropropane	ND		0.51	5.0
1,4-Dichlorobenzene	ND		0.78	5.0
2,2-Dichloropropane	ND		0.44	5.0
2-Butanone (MEK)	ND		1.8	20
2-Chlorotoluene	ND		0.51	5.0
2-Hexanone	ND		4.9	20
4-Chlorotoluene	ND		0.78	5.0
4-Isopropyltoluene	ND		0.49	5.0
4-Methyl-2-pentanone	ND		4.4	20
Acetone	17.7	J	5.4	20
Benzene	ND		0.47	5.0
Bromobenzene	ND		0.49	5.0
Bromochloromethane	ND		0.30	5.0
Bromodichloromethane	ND		0.22	5.0
Bromoform	ND		0.23	5.0
Bromomethane	ND		0.50	10
Carbon disulfide	ND		0.42	5.0
Carbon tetrachloride	ND		0.63	5.0
Chlorobenzene	ND		0.54	5.0
Chloroethane	ND		0.89	10
Chloroform	ND		0.29	10
Chloromethane	ND		0.77	10
cis-1,2-Dichloroethene	ND		0.56	2.5
cis-1,3-Dichloropropene	ND		1.3	5.0
Dibromochloromethane	ND		0.57	5.0
Dibromomethane	ND		0.84	5.0
Dichlorodifluoromethane	ND		0.52	10

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-217182

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-217182/1-A	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-217182	Lab File ID:	J1061.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/17/2014 2042	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethylbenzene	ND		0.67	5.0
Hexachlorobutadiene	ND		0.55	5.0
Isopropylbenzene	ND		0.59	5.0
Methylene Chloride	ND		1.6	5.0
Naphthalene	0.693	J	0.63	5.0
n-Butylbenzene	ND		0.56	5.0
N-Propylbenzene	ND		0.58	5.0
sec-Butylbenzene	ND		0.77	5.0
Styrene	ND		0.63	5.0
tert-Butylbenzene	ND		0.50	5.0
Tetrachloroethene	ND		0.59	5.0
Toluene	ND		0.69	5.0
trans-1,2-Dichloroethene	ND		0.39	2.5
trans-1,3-Dichloropropene	ND		0.67	5.0
Trichloroethene	ND		0.23	5.0
Trichlorofluoromethane	ND		1.0	10
Vinyl chloride	ND		1.3	5.0
Xylenes (total)	ND		0.61	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	58 - 140
4-Bromofluorobenzene (Surr)	108	76 - 127
Dibromofluoromethane (Surr)	95	75 - 121
Toluene-d8 (Surr)	106	80 - 126

Method Blank TICs- Batch: 280-217182

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
72218-58-7	3-Methylheptyl acetate	14.10	52.5	T J N
590-01-2	Propanoic acid, butyl ester	11.21	5.57	T J N
	Unknown	13.45	12.7	T J
	Unknown	13.82	13.5	T J
	Unknown	3.83	354	T J
	Unknown	10.02	6.89	T J

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample - Batch: 280-217182

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-217182/2-A	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-217182	Lab File ID:	J1060.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/17/2014 2021	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	47.8	96	70 - 135	
1,1-Dichloroethane	50.0	51.0	102	70 - 135	
1,1-Dichloroethene	50.0	50.8	102	79 - 135	
1,2-Dichloropropane	50.0	52.3	105	72 - 121	
1,3-Dichlorobenzene	50.0	51.3	103	69 - 135	
Benzene	50.0	54.0	108	75 - 135	
Bromodichloromethane	50.0	45.5	91	73 - 135	
Carbon tetrachloride	50.0	48.0	96	69 - 138	
Chlorobenzene	50.0	49.9	100	78 - 135	
Chloroform	50.0	49.0	98	73 - 123	
Ethylbenzene	50.0	53.9	108	73 - 125	
Methylene Chloride	50.0	52.8	106	76 - 136	
Tetrachloroethene	50.0	50.1	100	76 - 135	
Toluene	50.0	52.2	104	77 - 122	
trans-1,2-Dichloroethene	50.0	49.4	99	77 - 135	
Trichloroethene	50.0	50.7	101	77 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	58 - 140
4-Bromofluorobenzene (Surr)	105	76 - 127
Dibromofluoromethane (Surr)	97	75 - 121
Toluene-d8 (Surr)	108	80 - 126

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-217182

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-53132-A-1-B MS	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-217182	Lab File ID:	J1063.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.040 g
Analysis Date:	03/17/2014 2128			Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-53132-A-1-C MSD	Analysis Batch:	280-216955	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-217182	Lab File ID:	J1064.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.709 g
Analysis Date:	03/17/2014 2150			Final Weight/Volume:	5 mL
Prep Date:	03/17/2014 1500				5 mL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	83	83	70 - 135	15	20		
1,1-Dichloroethane	87	89	70 - 135	14	20		
1,1-Dichloroethene	88	90	79 - 135	13	20		
1,2-Dichloropropane	88	92	72 - 121	10	20		
1,3-Dichlorobenzene	82	86	69 - 135	11	20		
Benzene	90	92	75 - 135	13	20		
Bromodichloromethane	75	78	73 - 135	11	20		
Carbon tetrachloride	82	83	69 - 138	14	20		
Chlorobenzene	84	86	78 - 135	12	20		
Chloroform	81	84	73 - 123	12	20		
Ethylbenzene	88	92	73 - 125	12	20		
Methylene Chloride	88	91	76 - 136	13	21		
Tetrachloroethene	85	87	76 - 135	13	20		
Toluene	88	91	77 - 122	12	20		
trans-1,2-Dichloroethene	87	87	77 - 135	14	20		
Trichloroethene	85	88	77 - 135	12	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	85	58 - 140
4-Bromofluorobenzene (Surr)	107	100	76 - 127
Dibromofluoromethane (Surr)	104	95	75 - 121
Toluene-d8 (Surr)	114	106	80 - 126

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-217251

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-217251/1-A	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Client Matrix:	Solid	Prep Batch:	280-217251	Lab File ID:	P8321.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.049 g
Analysis Date:	03/18/2014 1140	Units:	ug/Kg	Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		21	250
1,1,1-Trichloroethane	ND		20	250
1,1,2,2-Tetrachloroethane	ND		29	250
1,1,2-Trichloroethane	ND		27	250
1,1-Dichloroethane	ND		50	250
1,1-Dichloroethene	ND		50	250
1,1-Dichloropropene	ND		48	250
1,2,3-Trichlorobenzene	ND		35	250
1,2,3-Trichloropropane	ND		47	250
1,2,4-Trichlorobenzene	ND		46	250
1,2,4-Trimethylbenzene	ND		31	250
1,2-Dibromo-3-Chloropropane	ND		85	500
1,2-Dibromoethane	ND		25	250
1,2-Dichlorobenzene	ND		93	250
1,2-Dichloroethane	ND		25	250
1,2-Dichloropropane	ND		46	250
1,3,5-Trimethylbenzene	ND		39	250
1,3-Dichlorobenzene	ND		40	250
1,3-Dichloropropane	ND		28	250
1,4-Dichlorobenzene	ND		25	250
2,2-Dichloropropane	ND		27	250
2-Butanone (MEK)	ND		290	1000
2-Chlorotoluene	ND		26	250
2-Hexanone	ND		210	1000
4-Chlorotoluene	ND		23	250
4-Isopropyltoluene	ND		32	250
4-Methyl-2-pentanone	ND		220	1000
Acetone	ND		400	1000
Benzene	ND		45	250
Bromobenzene	ND		19	250
Bromochloromethane	ND		47	250
Bromodichloromethane	ND		39	250
Bromoform	ND		160	250
Bromomethane	ND		47	500
Carbon disulfide	ND		63	250
Carbon tetrachloride	ND		17	250
Chlorobenzene	ND		30	250
Chloroethane	ND		44	500
Chloroform	ND		46	250
Chloromethane	ND		50	500
cis-1,2-Dichloroethene	ND		22	130
cis-1,3-Dichloropropene	ND		27	250
Dibromochloromethane	ND		33	250
Dibromomethane	ND		30	250
Dichlorodifluoromethane	ND		22	500

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-217251

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 280-217251/1-A	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Client Matrix:	Solid	Prep Batch:	280-217251	Lab File ID:	P8321.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.049 g
Analysis Date:	03/18/2014 1140	Units:	ug/Kg	Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethylbenzene	ND		34	250
Hexachlorobutadiene	ND		49	250
Isopropylbenzene	ND		29	250
Methylene Chloride	ND		68	250
Naphthalene	ND		38	500
n-Butylbenzene	ND		32	250
N-Propylbenzene	ND		41	250
sec-Butylbenzene	ND		38	250
Styrene	ND		26	250
tert-Butylbenzene	ND		28	250
Tetrachloroethene	ND		27	250
Toluene	ND		39	250
trans-1,2-Dichloroethene	ND		44	130
trans-1,3-Dichloropropene	ND		41	250
Trichloroethene	ND		23	250
Trichlorofluoromethane	ND		50	500
Vinyl chloride	ND		27	500
Xylenes (total)	ND		35	250

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	50 - 139
4-Bromofluorobenzene (Surr)	108	62 - 133
Dibromofluoromethane (Surr)	98	60 - 133
Toluene-d8 (Surr)	108	68 - 143

Method Blank TICs- Batch: 280-217251

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
	Tentatively Identified Compound		None	

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample - Batch: 280-217251

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-217251/2-A	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Client Matrix:	Solid	Prep Batch:	280-217251	Lab File ID:	P8322.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.0 g
Analysis Date:	03/18/2014 1200	Units:	ug/Kg	Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	2000	2180	109	78 - 135	
1,1-Dichloroethane	2000	2040	102	75 - 135	
1,1-Dichloroethene	2000	1620	81	74 - 136	
1,2-Dichloropropane	2000	1800	90	72 - 125	
1,3-Dichlorobenzene	2000	1950	97	81 - 135	
Benzene	2000	1990	100	78 - 135	
Bromodichloromethane	2000	2080	104	75 - 135	
Carbon tetrachloride	2000	2430	122	75 - 135	
Chlorobenzene	2000	1960	98	82 - 135	
Chloroform	2000	2090	105	78 - 121	
Ethylbenzene	2000	1970	99	77 - 128	
Methylene Chloride	2000	1810	91	64 - 147	
Tetrachloroethene	2000	2110	106	77 - 135	
Toluene	2000	2010	100	83 - 120	
trans-1,2-Dichloroethene	2000	1900	95	79 - 135	
Trichloroethene	2000	2040	102	82 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	50 - 139
4-Bromofluorobenzene (Surr)	98	62 - 133
Dibromofluoromethane (Surr)	98	60 - 133
Toluene-d8 (Surr)	104	68 - 143

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-217251

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-52916-6	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Client Matrix:	Solid	Prep Batch:	280-217251	Lab File ID:	P8324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.040 g
Analysis Date:	03/18/2014 1253			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-6	Analysis Batch:	280-217219	Instrument ID:	VMS_P
Client Matrix:	Solid	Prep Batch:	280-217251	Lab File ID:	P8325.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.976 g
Analysis Date:	03/18/2014 1313			Final Weight/Volume:	1000 mL
Prep Date:	03/18/2014 0944				20 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	78	74	78 - 135	4	20		F1
1,1-Dichloroethane	73	71	75 - 135	2	25	F1	F1
1,1-Dichloroethene	54	52	74 - 136	2	29	F1	F1
1,2-Dichloropropane	64	63	72 - 125	1	22	F1	F1
1,3-Dichlorobenzene	70	67	81 - 135	2	20	F1	F1
Benzene	71	68	78 - 135	3	20	F1	F1
Bromodichloromethane	75	71	75 - 135	5	23		F1
Carbon tetrachloride	83	77	75 - 135	5	21		
Chlorobenzene	71	67	82 - 135	4	20	F1	F1
Chloroform	75	73	78 - 121	1	20	F1	F1
Ethylbenzene	71	67	77 - 128	4	20	F1	F1
Methylene Chloride	63	64	64 - 147	2	22	F1	
Tetrachloroethene	75	69	77 - 135	6	20	F1	F1
Toluene	73	68	83 - 120	6	20	F1	F1
trans-1,2-Dichloroethene	66	63	79 - 135	3	25	F1	F1
Trichloroethene	73	68	82 - 135	6	20	F1	F1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	68	64	50 - 139
4-Bromofluorobenzene (Surr)	69	67	62 - 133
Dibromofluoromethane (Surr)	69	68	60 - 133
Toluene-d8 (Surr)	73	69	68 - 143

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216395

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 280-216395/1-A	Analysis Batch:	280-216909	Instrument ID:	SMS_G6
Client Matrix:	Water	Prep Batch:	280-216395	Lab File ID:	G6_12706.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/14/2014 1232	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	03/11/2014 1725			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	ND		0.28	4.0
1,4-Dichlorobenzene	ND		0.32	4.0
2,2'-oxybis[1-chloropropane]	ND		0.28	10
2,4,5-Trichlorophenol	ND		0.45	10
2,4,6-Trichlorophenol	ND		0.29	10
2,4-Dichlorophenol	ND		0.64	10
2,4-Dimethylphenol	ND		0.58	10
2,4-Dinitrophenol	ND		10	30
2,4-Dinitrotoluene	ND		1.7	10
2,6-Dinitrotoluene	ND		1.9	10
2-Chloronaphthalene	ND		0.26	4.0
2-Chlorophenol	ND		2.0	10
2-Methylnaphthalene	ND		0.29	4.0
2-Methylphenol	ND		0.98	10
2-Nitroaniline	ND		1.7	10
2-Nitrophenol	ND		0.39	10
3 & 4 Methylphenol	ND		0.25	10
3,3'-Dichlorobenzidine	ND		2.0	50
3-Nitroaniline	ND		2.0	10
4,6-Dinitro-2-methylphenol	ND		4.0	50
4-Bromophenyl phenyl ether	ND		0.43	10
4-Chloro-3-methylphenol	ND		2.4	10
4-Chloroaniline	ND		2.1	10
4-Chlorophenyl phenyl ether	ND		1.7	10
4-Nitroaniline	ND		2.0	10
4-Nitrophenol	ND		1.2	10
Acenaphthene	ND		0.28	4.0
Acenaphthylene	ND		0.49	4.0
Acetophenone	ND		0.24	10
Anthracene	ND		0.42	4.0
Atrazine	ND		0.73	10
Benzidine	ND		50	100
Benzo[a]anthracene	ND		0.35	4.0
Benzo[a]pyrene	ND		0.31	4.0
Benzo[b]fluoranthene	ND		0.53	4.0
Benzo[g,h,i]perylene	ND		0.50	4.0
Benzo[k]fluoranthene	ND		0.46	4.0
Bis(2-chloroethoxy)methane	ND		0.97	10
Bis(2-chloroethyl)ether	ND		0.41	10
Bis(2-ethylhexyl) phthalate	ND		0.56	10
Butyl benzyl phthalate	ND		1.0	4.0
Caprolactam	ND		5.0	10
Carbazole	ND		0.43	4.0
Chrysene	ND		0.54	4.0
Cresols, Total	ND		0.25	10

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216395

Method: 8270C
Preparation: 3520C

Lab Sample ID:	MB 280-216395/1-A	Analysis Batch:	280-216909	Instrument ID:	SMS_G6
Client Matrix:	Water	Prep Batch:	280-216395	Lab File ID:	G6_12706.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/14/2014 1232	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	03/11/2014 1725			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	ND		0.51	4.0
Dibenzofuran	ND		0.29	4.0
Diethyl phthalate	ND		0.38	4.0
Dimethyl phthalate	ND		0.21	4.0
Di-n-butyl phthalate	ND		1.2	4.0
Di-n-octyl phthalate	ND		0.35	4.0
Fluoranthene	ND		0.20	4.0
Fluorene	ND		0.31	4.0
Hexachlorobenzene	ND		0.66	10
Hexachlorobutadiene	ND		3.3	10
Hexachlorocyclopentadiene	ND		10	50
Hexachloroethane	ND		2.1	10
Indeno[1,2,3-cd]pyrene	ND		0.65	4.0
Naphthalene	ND		0.29	4.0
Nitrobenzene	ND		0.81	10
N-Nitrosodi-n-propylamine	ND		0.35	10
n-Nitrosodiphenylamine(as diphenylamine)	ND		0.44	10
Pentachlorophenol	ND		20	50
Phenanthrene	ND		0.26	4.0
Phenol	ND		2.0	10
Pyrene	ND		0.37	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	73	48 - 126
2-Fluorobiphenyl	75	48 - 104
2-Fluorophenol	68	41 - 117
Nitrobenzene-d5	77	52 - 113
Phenol-d5	75	46 - 120
Terphenyl-d14	88	41 - 138

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-216395

Method: 8270C
Preparation: 3520C

LCS Lab Sample ID:	LCS 280-216395/2-A	Analysis Batch:	280-216909	Instrument ID:	SMS_G6
Client Matrix:	Water	Prep Batch:	280-216395	Lab File ID:	G6_12707.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/14/2014 1258	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	03/11/2014 1725			Injection Volume:	0.5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-216395/3-A	Analysis Batch:	280-216909	Instrument ID:	SMS_G6
Client Matrix:	Water	Prep Batch:	280-216395	Lab File ID:	G6_12708.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/14/2014 1324	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	03/11/2014 1725			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,2,4-Trichlorobenzene	57	60	28 - 120	5	42		
1,4-Dichlorobenzene	53	58	25 - 120	9	52		
2,4,5-Trichlorophenol	81	86	64 - 120	6	30		
2,4,6-Trichlorophenol	80	86	62 - 120	7	30		
2,4-Dinitrotoluene	89	95	76 - 120	6	32		
2-Chlorophenol	70	72	58 - 120	3	30		
2-Methylnaphthalene	67	69	42 - 120	2	32		
2-Methylphenol	71	71	62 - 120	1	30		
4-Chloro-3-methylphenol	82	86	69 - 120	4	30		
4-Nitrophenol	90	100	59 - 129	10	35		
Acenaphthene	77	82	61 - 120	7	30		
Anthracene	82	87	71 - 120	6	30		
Carbazole	87	92	72 - 120	5	30		
N-Nitrosodi-n-propylamine	73	72	58 - 120	1	30		
Pentachlorophenol	82	90	57 - 120	10	33		
Phenol	70	74	61 - 120	5	42		
Pyrene	87	94	71 - 120	7	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	81	86	48 - 126
2-Fluorobiphenyl	74	75	48 - 104
2-Fluorophenol	65	68	41 - 117
Nitrobenzene-d5	72	72	52 - 113
Phenol-d5	69	72	46 - 120
Terphenyl-d14	85	91	41 - 138

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216531

Method: 8270C
Preparation: 3550C

Lab Sample ID:	MB 280-216531/1-A	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-216531	Lab File ID:	D4005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	03/14/2014 1253	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	ND		28	330
1,4-Dichlorobenzene	ND		14	330
2,2'-oxybis[1-chloropropane]	ND		23	330
2,4,5-Trichlorophenol	ND		10	330
2,4,6-Trichlorophenol	ND		10	330
2,4-Dichlorophenol	ND		10	330
2,4-Dimethylphenol	ND		66	330
2,4-Dinitrophenol	ND		330	1600
2,4-Dinitrotoluene	ND		66	330
2,6-Dinitrotoluene	ND		28	330
2-Chloronaphthalene	ND		10	330
2-Chlorophenol	ND		21	330
2-Methylnaphthalene	ND		19	330
2-Methylphenol	ND		13	330
2-Nitroaniline	ND		50	1600
2-Nitrophenol	ND		10	330
3 & 4 Methylphenol	ND		33	330
3,3'-Dichlorobenzidine	ND		90	660
3-Nitroaniline	ND		73	1600
4,6-Dinitro-2-methylphenol	ND		330	1600
4-Bromophenyl phenyl ether	ND		19	330
4-Chloro-3-methylphenol	ND		66	330
4-Chloroaniline	ND		82	330
4-Chlorophenyl phenyl ether	ND		21	330
4-Nitroaniline	ND		73	1600
4-Nitrophenol	ND		97	1600
Acenaphthene	ND		10	330
Acenaphthylene	ND		17	330
Acetophenone	ND		20	330
Anthracene	ND		17	330
Atrazine	ND		37	330
Benzidine	ND		990	3300
Benzo[a]anthracene	ND		20	330
Benzo[a]pyrene	ND		20	330
Benzo[b]fluoranthene	ND		26	330
Benzo[g,h,i]perylene	ND		16	330
Benzo[k]fluoranthene	ND		40	330
Bis(2-chloroethoxy)methane	ND		23	330
Bis(2-chloroethyl)ether	ND		17	330
Bis(2-ethylhexyl) phthalate	ND		46	330
Butyl benzyl phthalate	ND		43	330
Caprolactam	ND		110	1600
Carbazole	ND		36	330
Chrysene	ND		27	330
Cresols, Total	ND		13	330

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216531

Method: 8270C
Preparation: 3550C

Lab Sample ID:	MB 280-216531/1-A	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-216531	Lab File ID:	D4005.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	03/14/2014 1253	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	ND		19	330
Dibenzofuran	ND		20	330
Diethyl phthalate	ND		26	660
Dimethyl phthalate	ND		23	330
Di-n-butyl phthalate	ND		29	330
Di-n-octyl phthalate	ND		14	330
Fluoranthene	ND		36	330
Fluorene	ND		18	330
Hexachlorobenzene	ND		29	330
Hexachlorobutadiene	ND		10	330
Hexachlorocyclopentadiene	ND		50	1600
Hexachloroethane	ND		21	330
Indeno[1,2,3-cd]pyrene	ND		22	330
Naphthalene	ND		31	330
Nitrobenzene	ND		22	330
N-Nitrosodi-n-propylamine	ND		31	330
n-Nitrosodiphenylamine(as diphenylamine)	ND		21	330
Pentachlorophenol	ND		330	1600
Phenanthrene	ND		17	330
Phenol	ND		18	330
Pyrene	ND		12	330

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	72	51 - 120
2-Fluorobiphenyl	78	50 - 120
2-Fluorophenol	78	53 - 120
Nitrobenzene-d5	82	50 - 120
Phenol-d5	80	52 - 120
Terphenyl-d14	88	55 - 120

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample - Batch: 280-216531

Method: 8270C
Preparation: 3550C

Lab Sample ID:	LCS 280-216531/2-A	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-216531	Lab File ID:	D4006.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	03/14/2014 1321	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	2670	1980	74	52 - 120	
1,4-Dichlorobenzene	2670	1950	73	52 - 120	
2,4,5-Trichlorophenol	2670	2230	84	64 - 120	
2,4,6-Trichlorophenol	2670	2220	83	61 - 120	
2,4-Dinitrotoluene	2670	2350	88	68 - 120	
2-Chlorophenol	2670	2110	79	57 - 120	
2-Methylnaphthalene	2670	2060	77	57 - 120	
2-Methylphenol	2670	2130	80	56 - 120	
4-Chloro-3-methylphenol	2670	2310	87	63 - 120	
4-Nitrophenol	5330	4700	88	63 - 121	
Acenaphthene	2670	2140	80	60 - 120	
Anthracene	2670	2230	84	63 - 120	
Carbazole	2670	2320	87	64 - 120	
N-Nitrosodi-n-propylamine	2670	2180	82	51 - 120	
Pentachlorophenol	5330	3720	70	56 - 120	
Phenol	2670	2150	81	56 - 120	
Pyrene	2670	2320	87	64 - 120	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	84	51 - 120
2-Fluorobiphenyl	79	50 - 120
2-Fluorophenol	81	53 - 120
Nitrobenzene-d5	80	50 - 120
Phenol-d5	81	52 - 120
Terphenyl-d14	88	55 - 120

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216531

Method: 8270C
Preparation: 3550C

MS Lab Sample ID:	280-52916-5	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-216531	Lab File ID:	D4008.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30.9 g
Analysis Date:	03/14/2014 1416			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-5	Analysis Batch:	280-216902	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-216531	Lab File ID:	D4009.D
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	03/14/2014 1443			Final Weight/Volume:	1 mL
Prep Date:	03/12/2014 1411			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	71	72	52 - 120	1	30	D	D
1,4-Dichlorobenzene	65	62	52 - 120	6	30	D	D
2,4,5-Trichlorophenol	80	83	64 - 120	3	30	D	D
2,4,6-Trichlorophenol	82	82	61 - 120	0	30	D	D
2,4-Dinitrotoluene	84	86	68 - 120	2	30	D	D
2-Chlorophenol	76	76	57 - 120	0	30	D	D
2-Methylnaphthalene	79	80	57 - 120	2	30	D	D
2-Methylphenol	79	83	56 - 120	4	30	D	D
4-Chloro-3-methylphenol	90	92	63 - 120	2	30	D	D
4-Nitrophenol	86	88	63 - 121	2	30	D	D
Acenaphthene	82	83	60 - 120	1	30	D	D
Anthracene	83	84	63 - 120	0	30	D	D
Carbazole	86	85	64 - 120	1	30	D	D
N-Nitrosodi-n-propylamine	77	80	51 - 120	4	30	D	D
Pentachlorophenol	70	72	56 - 120	2	30	D	D
Phenol	81	86	56 - 120	5	30	D	D
Pyrene	86	89	64 - 120	3	38	D	D

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
2,4,6-Tribromophenol	78	D	74	D	51 - 120
2-Fluorobiphenyl	77	D	82	D	50 - 120
2-Fluorophenol	73	D	76	D	53 - 120
Nitrobenzene-d5	70	D	76	D	50 - 120
Phenol-d5	78	D	83	D	52 - 120
Terphenyl-d14	82	D	88	D	55 - 120

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216594

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 280-216594/1-A	Analysis Batch:	280-216899	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-216594	Lab File ID:	140313taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 2201	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/13/2014 1140				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	ND		0.20

Lab Control Sample - Batch: 280-216594

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 280-216594/2-A	Analysis Batch:	280-216899	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-216594	Lab File ID:	140313taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 2203	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	03/13/2014 1140				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	5.00	5.20	104	84 - 120	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216594

Method: 7470A
Preparation: 7470A

MS Lab Sample ID:	280-52939-L-1-E MS	Analysis Batch:	280-216899	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-216594	Lab File ID:	140313taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/14/2014 1034			Final Weight/Volume:	30 mL
Prep Date:	03/13/2014 1140				
Leach Date:	N/A				

MSD Lab Sample ID:	280-52939-L-1-F MSD	Analysis Batch:	280-216899	Instrument ID:	MT_034
Client Matrix:	Water	Prep Batch:	280-216594	Lab File ID:	140313taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/14/2014 1036			Final Weight/Volume:	30 mL
Prep Date:	03/13/2014 1140				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	68	66	75 - 125	3	20	F1	F1

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216467

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 280-216467/1-A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.6 g
Analysis Date:	03/12/2014 1858	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	ND		17

Lab Control Sample - Batch: 280-216467

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 280-216467/2-A	Analysis Batch:	280-216718	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.6 g
Analysis Date:	03/12/2014 1900	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	417	434	104	87 - 111	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216467

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	280-52916-1	Analysis Batch:	280-216718	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.64 g
Analysis Date:	03/12/2014 1905			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-1	Analysis Batch:	280-216718	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-216467	Lab File ID:	140311taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.55 g
Analysis Date:	03/12/2014 1912			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0843				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	100	87 - 111	19	20		

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216355

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 280-216355/6	Analysis Batch:	280-216355	Instrument ID:	WC_IonChrom11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0013.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/11/2014 1515	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Nitrite as N	ND		0.50

Method Reporting Limit Check - Batch: 280-216355

Method: 300.0
Preparation: N/A

Lab Sample ID:	MRL 280-216355/3	Analysis Batch:	280-216355	Instrument ID:	WC_IonChrom11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0010.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/11/2014 1415	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrite as N	0.200	ND	119	50 - 150	

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-216355

Method: 300.0
Preparation: N/A

LCS Lab Sample ID:	LCS 280-216355/4	Analysis Batch:	280-216355	Instrument ID:	WC_IonChrom11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0011.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/11/2014 1435	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	N/A				25 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-216355/5	Analysis Batch:	280-216355	Instrument ID:	WC_IonChrom11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0012.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/11/2014 1455	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	N/A				25 uL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrite as N	101	102	90 - 110	1	10		

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216355

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	280-52918-A-6 MS	Analysis Batch:	280-216355	Instrument ID:	WC_IonChrom11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0016.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/11/2014 1621			Final Weight/Volume:	10 mL
Prep Date:	N/A				25 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-52918-A-6 MSD	Analysis Batch:	280-216355	Instrument ID:	WC_IonChrom11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0017.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/11/2014 1641			Final Weight/Volume:	10 mL
Prep Date:	N/A				25 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrite as N	115	105	80 - 120	6	20		

Duplicate - Batch: 280-216355

Method: 300.0
Preparation: N/A

Lab Sample ID:	280-52918-A-6 DU	Analysis Batch:	280-216355	Instrument ID:	WC_IonChrom11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	0015.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/11/2014 1601	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	N/A				25 uL
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Nitrite as N	1.8	1.78	1	15	

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216717

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	MB 280-216717/5-A	Analysis Batch:	280-217461	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-216717	Lab File ID:	C:\FLOW_4\C031914_.RS
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/19/2014 1139	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 1146				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0020	0.010

High Level Control Sample - Batch: 280-216717

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	HLCS 280-216717/1-A	Analysis Batch:	280-217461	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-216717	Lab File ID:	C:\FLOW_4\C031914_.RS
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/19/2014 1133	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 1146				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.400	0.372	93	90 - 110	

Low Level Control Sample - Batch: 280-216717

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	LLCS 280-216717/2-A	Analysis Batch:	280-217461	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-216717	Lab File ID:	C:\FLOW_4\C031914_.RS
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/19/2014 1134	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 1146				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.0909	91	44 - 167	

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-216717

Method: 335.4
Preparation: Distill/CN

LCS Lab Sample ID:	LCS 280-216717/3-A	Analysis Batch:	280-217461	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-216717	Lab File ID:	C:\FLOW_4\C031914_.RS
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/19/2014 1136	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 1146				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-216717/4-A	Analysis Batch:	280-217461	Instrument ID:	WC_Alp 1
Client Matrix:	Water	Prep Batch:	280-216717	Lab File ID:	C:\FLOW_4\C031914_.RS
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/19/2014 1137	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 1146				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cyanide, Total	90	90	90 - 110	0	10		

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-216678

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 280-216678/5-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.10	0.50

High Level Control Sample - Batch: 280-216678

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 280-216678/1-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1154	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	20.0	20.4	102	90 - 110	

Low Level Control Sample - Batch: 280-216678

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 280-216678/2-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1156	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	5.00	5.26	105	51 - 150	

Client: Waste Management

Job Number: 280-52916-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-216678

Method: 9012A
Preparation: 9012A

LCS Lab Sample ID:	LCS 280-216678/3-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1157	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-216678/4-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1159	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cyanide, Total	102	104	90 - 110	2	10		

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216678

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	280-52916-1	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/18/2014 1203			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-1	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.96 g
Analysis Date:	03/18/2014 1205			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	93	95	90 - 110	7	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216678

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	280-52916-10	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.99 g
Analysis Date:	03/18/2014 1227			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-10	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.97 g
Analysis Date:	03/18/2014 1229			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	66	74	90 - 110	13	10	F1	F1 F2

Client: Waste Management

Job Number: 280-52916-1

Method Blank - Batch: 280-217240

Method: 9056
Preparation: N/A

Lab Sample ID:	MB 280-217306/3-A	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	16.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/18/2014 2003	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	03/18/2014 1434				

Analyte	Result	Qual	MDL	RL
Nitrite as N-Soluble	ND		0.34	5.0

Method Reporting Limit Check - Batch: 280-217240

Method: 9056
Preparation: N/A

Lab Sample ID:	MRL 280-217240/3	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	10.0000.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	03/18/2014 1109	Units:	mg/L	Final Weight/Volume:	10 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrite as N-Soluble	0.200	0.207	104	50 - 150	J

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-217240

Method: 9056
Preparation: N/A

LCS Lab Sample ID:	LCS 280-217306/1-A	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	14.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/18/2014 1928	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				
LCSD Lab Sample ID:	LCSD 280-217306/2-A	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	15.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/18/2014 1945	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrite as N-Soluble	101	102	90 - 110	1	10		

Client: Waste Management

Job Number: 280-52916-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-217240

Method: 9056
Preparation: N/A

MS Lab Sample ID:	280-52916-1	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	19.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/18/2014 2055			Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				

MSD Lab Sample ID:	280-52916-1	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	20.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/18/2014 2112			Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrite as N-Soluble	107	108	80 - 120	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-217240

Method: 9056
Preparation: N/A

MS Lab Sample ID:	280-52916-12	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	35.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/19/2014 0132			Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				

MSD Lab Sample ID:	280-52916-12	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	38.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/19/2014 0223			Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrite as N-Soluble	105	106	80 - 120	1	20		

Client: Waste Management

Job Number: 280-52916-1

Duplicate - Batch: 280-217240

Method: 9056
Preparation: N/A

Lab Sample ID:	280-52916-1	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	18.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/18/2014 2037	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Nitrite as N-Soluble	ND	ND	NC	15	

Duplicate - Batch: 280-217240

Method: 9056
Preparation: N/A

Lab Sample ID:	280-52916-12	Analysis Batch:	280-217240	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	34.0000.d
Dilution:	1.0	Leach Batch:	280-217306	Initial Weight/Volume:	10 mL
Analysis Date:	03/19/2014 0114	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	N/A				10 uL
Leach Date:	03/18/2014 1434				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Nitrite as N-Soluble	ND	ND	NC	15	

Chain of Custody

280-52916 Chain of Custody

Sampler ID _____

Temperature on Receipt 10 IR5 +0.2 SK 3/11/14

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client: Waste Management	Project Manager: J Davendonis	Date: 3/10/14	Chain of Custody Number: 150545
Address: 13469 SW Highway 18	Telephone Number (Area Code)/Fax Number: 503 639-9548	Lab Number	Page 1 of 1
City: McMinnville; State: OR; Zip Code: 97128	Site Contact: J O'Leary	Lab Contact: B. Sara	
Project Name and Location (State): Special Event	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	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8270C-SIOA	8260B-VOA	9010A-Cyanide	9056-Nitrate	Mercury	Special Instructions/ Conditions of Receipt
SS-01-0.0 to 0.5'	3/10/14	1355				X	4						X	X	X	X	X	
SS-02-0.0 to 0.5'	3/10/14	1345				X	4						X	X	X	X	X	
SS-03-0.0 to 0.5'	3/10/14	1330				X	4						X	X	X	X	X	
SS-04-0.0 to 0.5'	3/10/14	1310				X	4						X	X	X	X	X	
SS-05-0.0 to 0.5'	3/10/14	1320				X	4						X	X	X	X	X	
SS-06-0.0 to 0.5'	3/10/14	1325				X	4						X	X	X	X	X	
SS-07-0.0 to 0.5'	3/10/14	1255				X	4						X	X	X	X	X	
SS-08-0.0 to 0.5'	3/10/14	1250				X	4						X	X	X	X	X	
SS-09-0.0 to 0.5'	3/10/14	1240				X	4						X	X	X	X	X	
SS-10-0.0 to 0.5'	3/10/14	1230				X	4						X	X	X	X	X	
SS-11-0.0 to 0.5'	3/10/14	1205				X	4						X	X	X	X	X	
SS-12-0.0 to 0.5'	3/10/14	1155				X	4						X	X	X	X	X	

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)

1. Relinquished By: JDL	Date: 3/10/14	Time: 1600	1. Received By: Stephanie O'Tomey	Date: 3/11/14	Time: 0920
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

Chain of Custody Record

TAL-4124-260 (0502)

Sampler ID _____

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client: Waste Management	Project Manager: T Davendorf	Date: 3/10/14	Chain of Custody Number: 35535
Address: 13469 SW Highway 18	Telephone Number (Area Code)/Fax Number: 503 639-9548	Lab Number:	Page 1 of 1
City: McMinnville; State: OR; Zip Code: 97128	Site Contact: T O'Leary	Lab Contact: R. Sacon	
Project Name and Location (State): Special Event	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

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		Analysis (Attach list if more space is needed): Mercury	Cyanide	Metals	SVOAs - 8270	VOAs - 8260							Special Instructions/ Conditions of Receipt
EB1	3/10/14	1400		X				2		1	3	1			X	X	X	X	X							

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 5 Day list

QC Requirements (Specify):

1. Relinquished By: [signature]	Date: 3/10/14	Time: 1600	1. Received By: Stephanie O'Donnell	Date: 3/11/14	Time: 0920
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-52916-1

Login Number: 52916

List Source: TestAmerica Denver

List Number: 1

Creator: O'Tormey, Stephanie R

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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?	False	FIELD LEFT BLANK
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	Refer to job narrative for details
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
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	

ANALYTICAL REPORT

Job Number: 280-52966-1

Job Description: 1003|Riverbend Landfill SCS Engineers

For:
Waste Management
13469 SW Highway 18
McMinnville, OR 97128

Attention: Mr. Jeff O'Leary

Approved for release.
Betsy A Sara
Project Manager II
3/21/2014 11:43 AM

Betsy A Sara, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0189
betsy.sara@testamericainc.com
03/21/2014

cc: Ms. Tiffany Andrews
Mr. Jason Davendonis
Mr. Brian McMullen

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.

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CASE NARRATIVE

Client: Waste Management

Project: 1003|Riverbend Landfill SCS Engineers

Report Number: 280-52966-1

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 03/12/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.3 C.

Holding Times

The holding times were met.

Method Blanks

Naphthalene Method 8260B and Dimethyl phthalate Method 8270C 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.

Methylene Chloride Method 8260B (solid batch 216793) was detected in the Method Blank above the project established reporting limit. Because the associated samples were non-detect above the reporting limits, corrective action was deemed unnecessary. Methylene Chloride is a common laboratory contaminant.

All other Method Blanks met method criteria.

Laboratory Control Samples (LCS)

All Laboratory Control Sample recoveries were within control limits.

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

Samples SS-02-0.0 TO 0.5' was selected to fulfill the laboratory batch quality control requirements for Method 8260B. 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. In addition, the RPD result was outside the RPD limits for multiple Method 8260B compounds.

The Matrix Spike and Matrix Spike Duplicate performed on a sample from another client exhibited recoveries outside control limits for Total Mercury Method 7470A. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

Sample SS-10-0.0 TO 0.5' was selected to fulfill the laboratory batch quality control requirements for Method 9012A. Analysis of the laboratory generated MS/MSD for this sample exhibited recoveries of Total Cyanide below the lower control limit indicating the possible presence of a matrix interference. In addition, the RPD result was outside the RPD limit for Total Cyanide.

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

Organics

The Method 8260B surrogate recoveries of 4-Bromofluorobenzene and Toluene-d8 were above control limits for samples SS-01-2.5 TO 3.0'. Because the data are considered to be biased high and all Method 8260B target analytes in the sample associated with these surrogates were non-detect above the reporting limits, corrective action was deemed unnecessary.

The Method 8260B surrogate recoveries of 4-Bromofluorobenzene and Toluene-d8 were above control limits for samples SS-03-2.5 TO

3.0'. Because the data are considered to be biased high and all Method 8260B target analytes in the sample were non-detect above the reporting limits, corrective action was deemed unnecessary.

EXECUTIVE SUMMARY - Detections

Client: Waste Management

Job Number: 280-52966-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-52966-1	**SS-01-2.5 TO 3.0'**					
2-Butanone (MEK)		460		20	ug/Kg	8260B
2-Hexanone		11	J	20	ug/Kg	8260B
4-Methyl-2-pentanone		6.6	J	20	ug/Kg	8260B
Acetone		490		20	ug/Kg	8260B
Methylene Chloride		2.2	J B	5.0	ug/Kg	8260B
Toluene		1.6	J	5.0	ug/Kg	8260B
3 & 4 Methylphenol		42	J	330	ug/Kg	8270C
Cresols, Total		42	J	330	ug/Kg	8270C
Dimethyl phthalate		520	B	330	ug/Kg	8270C
Mercury		230		17	ug/Kg	7471A
Cyanide, Total		0.25	J	0.50	mg/Kg	9012A
280-52966-2	**SS-02-2.5 TO 3.0'**					
2-Butanone (MEK)		160		20	ug/Kg	8260B
Acetone		140		20	ug/Kg	8260B
Dimethyl phthalate		550	B	330	ug/Kg	8270C
Mercury		14	J	17	ug/Kg	7471A
Cyanide, Total		0.21	J	0.50	mg/Kg	9012A
280-52966-3	**SS-03-2.5 TO 3.0'**					
3 & 4 Methylphenol		47	J	330	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		49	J	330	ug/Kg	8270C
Cresols, Total		47	J	330	ug/Kg	8270C
Dimethyl phthalate		280	J B	330	ug/Kg	8270C
Pyrene		14	J	330	ug/Kg	8270C
Mercury		26		17	ug/Kg	7471A
Cyanide, Total		0.20	J	0.50	mg/Kg	9012A

METHOD SUMMARY

Client: Waste Management

Job Number: 280-52966-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Mercury (CVAA)	TAL DEN	SW846 7471A	
Preparation, Mercury	TAL DEN		SW846 7471A
Cyanide, Total and/or Amenable	TAL DEN	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL DEN		SW846 9012A
Anions, Ion Chromatography	TAL DEN	SW846 9056	
Deionized Water Leaching Procedure	TAL DEN		ASTM DI Leach

Lab References:

TAL DEN = TestAmerica Denver

Method References:

ASTM = ASTM International

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: 280-52966-1

Method	Analyst	Analyst ID
SW846 8260B	Dukes, Aaron D	ADD
SW846 8270C	Kiekel, Daniel C	DCK
SW846 7471A	Whyte, Whitney A	WAW
SW846 9012A	Newcome, Robin S	RSN
SW846 9056	Phan, Thu L	TLP

SAMPLE SUMMARY

Client: Waste Management

Job Number: 280-52966-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-52966-1	SS-01-2.5 TO 3.0'	Solid	03/10/2014 1415	03/12/2014 0950
280-52966-2	SS-02-2.5 TO 3.0'	Solid	03/10/2014 1425	03/12/2014 0950
280-52966-3	SS-03-2.5 TO 3.0'	Solid	03/10/2014 1445	03/12/2014 0950

SAMPLE RESULTS

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-01-2.5 TO 3.0'**

Lab Sample ID: 280-52966-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1415

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1030.D
Dilution:	1.0			Initial Weight/Volume:	4.504 g
Analysis Date:	03/14/2014 0320			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.62	5.0
1,1,1-Trichloroethane		ND		0.58	5.0
1,1,2,2-Tetrachloroethane		ND		0.68	5.0
1,1,2-Trichloroethane		ND		0.98	5.0
1,1-Dichloroethane		ND		0.23	5.0
1,1-Dichloroethene		ND		0.65	5.0
1,1-Dichloropropene		ND		0.60	5.0
1,2,3-Trichlorobenzene		ND		0.83	5.0
1,2,3-Trichloropropane		ND		0.90	5.0
1,2,4-Trichlorobenzene		ND		0.81	5.0
1,2,4-Trimethylbenzene		ND		0.64	5.0
1,2-Dibromo-3-Chloropropane		ND		0.67	10
1,2-Dibromoethane		ND		0.58	5.0
1,2-Dichlorobenzene		ND		0.50	5.0
1,2-Dichloroethane		ND		0.78	5.0
1,2-Dichloropropane		ND		0.61	5.0
1,3,5-Trimethylbenzene		ND		0.63	5.0
1,3-Dichlorobenzene		ND		0.53	5.0
1,3-Dichloropropane		ND		0.57	5.0
1,4-Dichlorobenzene		ND		0.87	5.0
2,2-Dichloropropane		ND		0.49	5.0
2-Butanone (MEK)		460		2.0	20
2-Chlorotoluene		ND		0.57	5.0
2-Hexanone		11	J	5.4	20
4-Chlorotoluene		ND		0.87	5.0
4-Isopropyltoluene		ND		0.54	5.0
4-Methyl-2-pentanone		6.6	J	4.8	20
Acetone		490		6.0	20
Benzene		ND		0.52	5.0
Bromobenzene		ND		0.54	5.0
Bromochloromethane		ND		0.33	5.0
Bromodichloromethane		ND		0.24	5.0
Bromoform		ND		0.26	5.0
Bromomethane		ND		0.56	10
Carbon disulfide		ND		0.47	5.0
Carbon tetrachloride		ND		0.70	5.0
Chlorobenzene		ND		0.60	5.0
Chloroethane		ND		0.99	10
Chloroform		ND		0.32	10
Chloromethane		ND		0.85	10
cis-1,2-Dichloroethene		ND		0.62	2.5
cis-1,3-Dichloropropene		ND		1.4	5.0
Dibromochloromethane		ND		0.63	5.0
Dibromomethane		ND		0.93	5.0
Dichlorodifluoromethane		ND		0.58	10
Ethylbenzene		ND		0.74	5.0

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-01-2.5 TO 3.0'**

Lab Sample ID: 280-52966-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1415

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1030.D
Dilution:	1.0			Initial Weight/Volume:	4.504 g
Analysis Date:	03/14/2014 0320			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.61	5.0
Isopropylbenzene		ND		0.65	5.0
Methylene Chloride		2.2	J B	1.8	5.0
Naphthalene		ND		0.70	5.0
n-Butylbenzene		ND		0.62	5.0
N-Propylbenzene		ND		0.64	5.0
sec-Butylbenzene		ND		0.85	5.0
Styrene		ND		0.70	5.0
tert-Butylbenzene		ND		0.56	5.0
Tetrachloroethene		ND		0.65	5.0
Toluene		1.6	J	0.77	5.0
trans-1,2-Dichloroethene		ND		0.43	2.5
trans-1,3-Dichloropropene		ND		0.74	5.0
Trichloroethene		ND		0.26	5.0
Trichlorofluoromethane		ND		1.2	10
Vinyl chloride		ND		1.5	5.0
Xylenes (total)		ND		0.68	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		58 - 140
Toluene-d8 (Surr)	134	X	80 - 126
4-Bromofluorobenzene (Surr)	131	X	76 - 127
Dibromofluoromethane (Surr)	119		75 - 121

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-01-2.5 TO 3.0'**

Lab Sample ID: 280-52966-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1415

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1030.D
Dilution:	1.0			Initial Weight/Volume:	4.504 g
Analysis Date:	03/14/2014 0320			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-37-6	Ethane, 1,1-difluoro-	3.89	1300	T J N
55644-10-5	Silanol, dimethyl(1,1,2-trimethylpropyl)	6.76	12	T J N

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-02-2.5 TO 3.0'**

Lab Sample ID: 280-52966-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1425

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1031.D
Dilution:	1.0			Initial Weight/Volume:	4.960 g
Analysis Date:	03/14/2014 0341			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.56	5.0
1,1,1-Trichloroethane		ND		0.52	5.0
1,1,2,2-Tetrachloroethane		ND		0.61	5.0
1,1,2-Trichloroethane		ND		0.89	5.0
1,1-Dichloroethane		ND		0.21	5.0
1,1-Dichloroethene		ND		0.59	5.0
1,1-Dichloropropene		ND		0.54	5.0
1,2,3-Trichlorobenzene		ND		0.76	5.0
1,2,3-Trichloropropane		ND		0.82	5.0
1,2,4-Trichlorobenzene		ND		0.74	5.0
1,2,4-Trimethylbenzene		ND		0.58	5.0
1,2-Dibromo-3-Chloropropane		ND		0.60	10
1,2-Dibromoethane		ND		0.52	5.0
1,2-Dichlorobenzene		ND		0.45	5.0
1,2-Dichloroethane		ND		0.71	5.0
1,2-Dichloropropane		ND		0.55	5.0
1,3,5-Trimethylbenzene		ND		0.57	5.0
1,3-Dichlorobenzene		ND		0.48	5.0
1,3-Dichloropropane		ND		0.51	5.0
1,4-Dichlorobenzene		ND		0.79	5.0
2,2-Dichloropropane		ND		0.44	5.0
2-Butanone (MEK)		160		1.8	20
2-Chlorotoluene		ND		0.51	5.0
2-Hexanone		ND		4.9	20
4-Chlorotoluene		ND		0.79	5.0
4-Isopropyltoluene		ND		0.49	5.0
4-Methyl-2-pentanone		ND		4.4	20
Acetone		140		5.4	20
Benzene		ND		0.47	5.0
Bromobenzene		ND		0.49	5.0
Bromochloromethane		ND		0.30	5.0
Bromodichloromethane		ND		0.22	5.0
Bromoform		ND		0.23	5.0
Bromomethane		ND		0.50	10
Carbon disulfide		ND		0.42	5.0
Carbon tetrachloride		ND		0.64	5.0
Chlorobenzene		ND		0.54	5.0
Chloroethane		ND		0.90	10
Chloroform		ND		0.29	10
Chloromethane		ND		0.78	10
cis-1,2-Dichloroethene		ND		0.56	2.5
cis-1,3-Dichloropropene		ND		1.3	5.0
Dibromochloromethane		ND		0.57	5.0
Dibromomethane		ND		0.85	5.0
Dichlorodifluoromethane		ND		0.52	10
Ethylbenzene		ND		0.68	5.0

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-02-2.5 TO 3.0'**

Lab Sample ID: 280-52966-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1425

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1031.D
Dilution:	1.0			Initial Weight/Volume:	4.960 g
Analysis Date:	03/14/2014 0341			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.55	5.0
Isopropylbenzene		ND		0.59	5.0
Methylene Chloride		ND		1.6	5.0
Naphthalene		ND		0.64	5.0
n-Butylbenzene		ND		0.56	5.0
N-Propylbenzene		ND		0.58	5.0
sec-Butylbenzene		ND		0.78	5.0
Styrene		ND		0.64	5.0
tert-Butylbenzene		ND		0.50	5.0
Tetrachloroethene		ND		0.59	5.0
Toluene		ND		0.70	5.0
trans-1,2-Dichloroethene		ND		0.39	2.5
trans-1,3-Dichloropropene		ND		0.68	5.0
Trichloroethene		ND		0.23	5.0
Trichlorofluoromethane		ND		1.0	10
Vinyl chloride		ND		1.4	5.0
Xylenes (total)		ND		0.61	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		58 - 140
Toluene-d8 (Surr)	116		80 - 126
4-Bromofluorobenzene (Surr)	113		76 - 127
Dibromofluoromethane (Surr)	102		75 - 121

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-02-2.5 TO 3.0'**

Lab Sample ID: 280-52966-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1425

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1031.D
Dilution:	1.0			Initial Weight/Volume:	4.960 g
Analysis Date:	03/14/2014 0341			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	4.55	14	T J
	Unknown	5.08	13	T J
	Unknown	5.25	5.2	T J
1066-40-6	Silanol, trimethyl-	6.75	6.8	T J N
	Unknown	9.85	6.6	T J
	Unknown	13.45	5.7	T J

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-03-2.5 TO 3.0'**

Lab Sample ID: 280-52966-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1445

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1032.D
Dilution:	1.0			Initial Weight/Volume:	4.112 g
Analysis Date:	03/14/2014 0402			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane		ND		0.68	5.0
1,1,1-Trichloroethane		ND		0.63	5.0
1,1,2,2-Tetrachloroethane		ND		0.74	5.0
1,1,2-Trichloroethane		ND		1.1	5.0
1,1-Dichloroethane		ND		0.26	5.0
1,1-Dichloroethene		ND		0.72	5.0
1,1-Dichloropropene		ND		0.66	5.0
1,2,3-Trichlorobenzene		ND		0.91	5.0
1,2,3-Trichloropropane		ND		0.98	5.0
1,2,4-Trichlorobenzene		ND		0.89	5.0
1,2,4-Trimethylbenzene		ND		0.71	5.0
1,2-Dibromo-3-Chloropropane		ND		0.73	10
1,2-Dibromoethane		ND		0.63	5.0
1,2-Dichlorobenzene		ND		0.55	5.0
1,2-Dichloroethane		ND		0.85	5.0
1,2-Dichloropropane		ND		0.67	5.0
1,3,5-Trimethylbenzene		ND		0.69	5.0
1,3-Dichlorobenzene		ND		0.58	5.0
1,3-Dichloropropane		ND		0.62	5.0
1,4-Dichlorobenzene		ND		0.95	5.0
2,2-Dichloropropane		ND		0.54	5.0
2-Butanone (MEK)		ND		2.2	20
2-Chlorotoluene		ND		0.62	5.0
2-Hexanone		ND		5.9	20
4-Chlorotoluene		ND		0.95	5.0
4-Isopropyltoluene		ND		0.60	5.0
4-Methyl-2-pentanone		ND		5.3	20
Acetone		ND		6.5	20
Benzene		ND		0.57	5.0
Bromobenzene		ND		0.60	5.0
Bromochloromethane		ND		0.36	5.0
Bromodichloromethane		ND		0.27	5.0
Bromoform		ND		0.28	5.0
Bromomethane		ND		0.61	10
Carbon disulfide		ND		0.51	5.0
Carbon tetrachloride		ND		0.77	5.0
Chlorobenzene		ND		0.66	5.0
Chloroethane		ND		1.1	10
Chloroform		ND		0.35	10
Chloromethane		ND		0.94	10
cis-1,2-Dichloroethene		ND		0.68	2.5
cis-1,3-Dichloropropene		ND		1.6	5.0
Dibromochloromethane		ND		0.69	5.0
Dibromomethane		ND		1.0	5.0
Dichlorodifluoromethane		ND		0.63	10
Ethylbenzene		ND		0.81	5.0

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-03-2.5 TO 3.0'**

Lab Sample ID: 280-52966-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1445

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1032.D
Dilution:	1.0			Initial Weight/Volume:	4.112 g
Analysis Date:	03/14/2014 0402			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Hexachlorobutadiene		ND		0.67	5.0
Isopropylbenzene		ND		0.72	5.0
Methylene Chloride		ND		1.9	5.0
Naphthalene		ND		0.77	5.0
n-Butylbenzene		ND		0.68	5.0
N-Propylbenzene		ND		0.71	5.0
sec-Butylbenzene		ND		0.94	5.0
Styrene		ND		0.77	5.0
tert-Butylbenzene		ND		0.61	5.0
Tetrachloroethene		ND		0.72	5.0
Toluene		ND		0.84	5.0
trans-1,2-Dichloroethene		ND		0.47	2.5
trans-1,3-Dichloropropene		ND		0.81	5.0
Trichloroethene		ND		0.28	5.0
Trichlorofluoromethane		ND		1.3	10
Vinyl chloride		ND		1.6	5.0
Xylenes (total)		ND		0.74	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		58 - 140
Toluene-d8 (Surr)	135	X	80 - 126
4-Bromofluorobenzene (Surr)	136	X	76 - 127
Dibromofluoromethane (Surr)	109		75 - 121

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-03-2.5 TO 3.0'**

Lab Sample ID: 280-52966-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1445

Date Received: 03/12/2014 0950

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-216786	Lab File ID:	J1032.D
Dilution:	1.0			Initial Weight/Volume:	4.112 g
Analysis Date:	03/14/2014 0402			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-37-6	Ethane, 1,1-difluoro-	3.89	1200	T J N

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-01-2.5 TO 3.0'**

Lab Sample ID: 280-52966-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1415

Date Received: 03/12/2014 0950

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-216946	Lab File ID:	B2-4704.D
Dilution:	1.0			Initial Weight/Volume:	30.3 g
Analysis Date:	03/18/2014 1414			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		28	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		9.9	330
2,4,6-Trichlorophenol		ND		9.9	330
2,4-Dichlorophenol		ND		9.9	330
2,4-Dimethylphenol		ND		65	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		65	330
2,6-Dinitrotoluene		ND		28	330
2-Chloronaphthalene		ND		9.9	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		50	1600
2-Nitrophenol		ND		9.9	330
3 & 4 Methylphenol		42	J	33	330
3,3'-Dichlorobenzidine		ND		89	660
3-Nitroaniline		ND		72	1600
4,6-Dinitro-2-methylphenol		ND		330	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		65	330
4-Chloroaniline		ND		81	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		72	1600
4-Nitrophenol		ND		96	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		37	330
Benzidine		ND		980	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		40	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		ND		46	330
Butyl benzyl phthalate		ND		43	330
Caprolactam		ND		100	1600
Carbazole		ND		36	330
Chrysene		ND		27	330
Cresols, Total		42	J	13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-01-2.5 TO 3.0'**

Lab Sample ID: 280-52966-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1415

Date Received: 03/12/2014 0950

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-216946	Lab File ID:	B2-4704.D
Dilution:	1.0			Initial Weight/Volume:	30.3 g
Analysis Date:	03/18/2014 1414			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		26	660
Dimethyl phthalate		520	B	23	330
Di-n-butyl phthalate		ND		29	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		36	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		29	330
Hexachlorobutadiene		ND		9.9	330
Hexachlorocyclopentadiene		ND		50	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		31	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		31	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		330	1600
Phenanthrene		ND		17	330
Phenol		ND		18	330
Pyrene		ND		12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	69		50 - 120
2-Fluorophenol	72		53 - 120
2-Fluorobiphenyl	69		50 - 120
2,4,6-Tribromophenol	79		51 - 120
Terphenyl-d14	73		55 - 120
Phenol-d5	71		52 - 120

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-02-2.5 TO 3.0'**

Lab Sample ID: 280-52966-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1425

Date Received: 03/12/2014 0950

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-216946	Lab File ID:	B2-4705.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	03/18/2014 1444			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		27	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		9.8	330
2,4,6-Trichlorophenol		ND		9.8	330
2,4-Dichlorophenol		ND		9.8	330
2,4-Dimethylphenol		ND		65	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		65	330
2,6-Dinitrotoluene		ND		27	330
2-Chloronaphthalene		ND		9.8	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		49	1600
2-Nitrophenol		ND		9.8	330
3 & 4 Methylphenol		ND		32	330
3,3'-Dichlorobenzidine		ND		88	660
3-Nitroaniline		ND		72	1600
4,6-Dinitro-2-methylphenol		ND		320	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		65	330
4-Chloroaniline		ND		80	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		71	1600
4-Nitrophenol		ND		95	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		36	330
Benzidine		ND		970	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		39	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		ND		45	330
Butyl benzyl phthalate		ND		42	330
Caprolactam		ND		100	1600
Carbazole		ND		35	330
Chrysene		ND		26	330
Cresols, Total		ND		13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-02-2.5 TO 3.0'**

Lab Sample ID: 280-52966-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1425

Date Received: 03/12/2014 0950

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-216946	Lab File ID:	B2-4705.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	03/18/2014 1444			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		25	660
Dimethyl phthalate		550	B	23	330
Di-n-butyl phthalate		ND		28	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		35	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		28	330
Hexachlorobutadiene		ND		9.8	330
Hexachlorocyclopentadiene		ND		49	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		30	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		30	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		320	1600
Phenanthrene		ND		17	330
Phenol		ND		18	330
Pyrene		ND		12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	59		50 - 120
2-Fluorophenol	62		53 - 120
2-Fluorobiphenyl	59		50 - 120
2,4,6-Tribromophenol	81		51 - 120
Terphenyl-d14	76		55 - 120
Phenol-d5	62		52 - 120

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-03-2.5 TO 3.0'**

Lab Sample ID: 280-52966-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1445

Date Received: 03/12/2014 0950

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-216946	Lab File ID:	B2-4706.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	03/18/2014 1515			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		ND		27	330
1,4-Dichlorobenzene		ND		13	330
2,2'-oxybis[1-chloropropane]		ND		23	330
2,4,5-Trichlorophenol		ND		9.8	330
2,4,6-Trichlorophenol		ND		9.8	330
2,4-Dichlorophenol		ND		9.8	330
2,4-Dimethylphenol		ND		65	330
2,4-Dinitrophenol		ND		330	1600
2,4-Dinitrotoluene		ND		65	330
2,6-Dinitrotoluene		ND		27	330
2-Chloronaphthalene		ND		9.8	330
2-Chlorophenol		ND		21	330
2-Methylnaphthalene		ND		19	330
2-Methylphenol		ND		13	330
2-Nitroaniline		ND		49	1600
2-Nitrophenol		ND		9.8	330
3 & 4 Methylphenol		47	J	32	330
3,3'-Dichlorobenzidine		ND		88	660
3-Nitroaniline		ND		72	1600
4,6-Dinitro-2-methylphenol		ND		320	1600
4-Bromophenyl phenyl ether		ND		19	330
4-Chloro-3-methylphenol		ND		65	330
4-Chloroaniline		ND		80	330
4-Chlorophenyl phenyl ether		ND		21	330
4-Nitroaniline		ND		71	1600
4-Nitrophenol		ND		95	1600
Acenaphthene		ND		10	330
Acenaphthylene		ND		17	330
Acetophenone		ND		20	330
Anthracene		ND		17	330
Atrazine		ND		36	330
Benzidine		ND		970	3300
Benzo[a]anthracene		ND		20	330
Benzo[a]pyrene		ND		20	330
Benzo[b]fluoranthene		ND		26	330
Benzo[g,h,i]perylene		ND		16	330
Benzo[k]fluoranthene		ND		39	330
Bis(2-chloroethoxy)methane		ND		23	330
Bis(2-chloroethyl)ether		ND		16	330
Bis(2-ethylhexyl) phthalate		49	J	45	330
Butyl benzyl phthalate		ND		42	330
Caprolactam		ND		100	1600
Carbazole		ND		35	330
Chrysene		ND		26	330
Cresols, Total		47	J	13	330
Dibenz(a,h)anthracene		ND		19	330

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-03-2.5 TO 3.0'**

Lab Sample ID: 280-52966-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1445

Date Received: 03/12/2014 0950

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-216946	Lab File ID:	B2-4706.D
Dilution:	1.0			Initial Weight/Volume:	30.6 g
Analysis Date:	03/18/2014 1515			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Dibenzofuran		ND		20	330
Diethyl phthalate		ND		25	660
Dimethyl phthalate		280	J B	23	330
Di-n-butyl phthalate		ND		28	330
Di-n-octyl phthalate		ND		14	330
Fluoranthene		ND		35	330
Fluorene		ND		18	330
Hexachlorobenzene		ND		28	330
Hexachlorobutadiene		ND		9.8	330
Hexachlorocyclopentadiene		ND		49	1600
Hexachloroethane		ND		21	330
Indeno[1,2,3-cd]pyrene		ND		22	330
Naphthalene		ND		30	330
Nitrobenzene		ND		22	330
N-Nitrosodi-n-propylamine		ND		30	330
n-Nitrosodiphenylamine(as diphenylamine)		ND		21	330
Pentachlorophenol		ND		320	1600
Phenanthrene		ND		17	330
Phenol		ND		18	330
Pyrene		14	J	12	330

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	65		50 - 120
2-Fluorophenol	71		53 - 120
2-Fluorobiphenyl	68		50 - 120
2,4,6-Tribromophenol	81		51 - 120
Terphenyl-d14	75		55 - 120
Phenol-d5	71		52 - 120

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-01-2.5 TO 3.0'**

Lab Sample ID: 280-52966-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1415

Date Received: 03/12/2014 0950

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-217302	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-217062	Lab File ID:	140317taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.58 g
Analysis Date:	03/17/2014 1731			Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1300				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		230		5.7	17

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-02-2.5 TO 3.0'**

Lab Sample ID: 280-52966-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1425

Date Received: 03/12/2014 0950

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-217302	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-217062	Lab File ID:	140317taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.69 g
Analysis Date:	03/17/2014 1734			Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1300				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		14	J	4.8	17

Client: Waste Management

Job Number: 280-52966-1

Client Sample ID: **SS-03-2.5 TO 3.0'**

Lab Sample ID: 280-52966-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1445

Date Received: 03/12/2014 0950

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	280-217302	Instrument ID:	MT_034
Prep Method:	7471A	Prep Batch:	280-217062	Lab File ID:	140317taa.txt
Dilution:	1.0			Initial Weight/Volume:	0.56 g
Analysis Date:	03/17/2014 1736			Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1300				

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	MDL	RL
Mercury		26		5.9	17

General Chemistry

Client Sample ID: **SS-01-2.5 TO 3.0'**

Lab Sample ID: 280-52966-1

Client Matrix: Solid

Date Sampled: 03/10/2014 1415

Date Received: 03/12/2014 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.25	J	mg/Kg	0.11	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1241						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217424	Analysis Date: 03/20/2014 0044						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-02-2.5 TO 3.0'**

Lab Sample ID: 280-52966-2

Client Matrix: Solid

Date Sampled: 03/10/2014 1425

Date Received: 03/12/2014 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.21	J	mg/Kg	0.10	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1242						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217424	Analysis Date: 03/20/2014 0153						DryWt Corrected: N

General Chemistry

Client Sample ID: **SS-03-2.5 TO 3.0'**

Lab Sample ID: 280-52966-3

Client Matrix: Solid

Date Sampled: 03/10/2014 1445

Date Received: 03/12/2014 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.20	J	mg/Kg	0.10	0.50	1.0	9012A
Analysis Batch: 280-217307	Analysis Date: 03/18/2014 1244						DryWt Corrected: N
Prep Batch: 280-216678	Prep Date: 03/13/2014 0913						
Nitrite as N-Soluble	ND		mg/Kg	0.32	5.0	1.0	9056
Analysis Batch: 280-217424	Analysis Date: 03/20/2014 0210						DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: Waste Management

Job Number: 280-52966-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	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
	N	This flag indicates the presumptive evidence of a compound.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	F1	MS and/or MSD Recovery 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.
General Chemistry		
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds 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: 280-52966-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-216786					
LCS 280-216786/2-A	Lab Control Sample	T	Solid	5030B	
280-52916-D-2-B MS	Matrix Spike	T	Solid	5030B	
280-52916-D-2-C MSD	Matrix Spike Duplicate	T	Solid	5030B	
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	5030B	
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	5030B	
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	5030B	
Analysis Batch:280-216793					
MB 280-216793/8	Method Blank	T	Solid	8260B	
LCS 280-216786/2-A	Lab Control Sample	T	Solid	8260B	280-216786
280-52916-D-2-B MS	Matrix Spike	T	Solid	8260B	280-216786
280-52916-D-2-C MSD	Matrix Spike Duplicate	T	Solid	8260B	280-216786
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	8260B	280-216786
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	8260B	280-216786
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	8260B	280-216786

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 280-216946					
LCS 280-216946/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-216946/1-A	Method Blank	T	Solid	3550C	
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	3550C	
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	3550C	
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	3550C	
280-52966-3MS	Matrix Spike	T	Solid	3550C	
280-52966-3MSD	Matrix Spike Duplicate	T	Solid	3550C	
Analysis Batch:280-217203					
LCS 280-216946/2-A	Lab Control Sample	T	Solid	8270C	280-216946
MB 280-216946/1-A	Method Blank	T	Solid	8270C	280-216946
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	8270C	280-216946
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	8270C	280-216946
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	8270C	280-216946
280-52966-3MS	Matrix Spike	T	Solid	8270C	280-216946
280-52966-3MSD	Matrix Spike Duplicate	T	Solid	8270C	280-216946

Report Basis
T = Total

Client: Waste Management

Job Number: 280-52966-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-217062					
LCS 280-217062/2-A	Lab Control Sample	T	Solid	7471A	
MB 280-217062/1-A	Method Blank	T	Solid	7471A	
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	7471A	
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	7471A	
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	7471A	
280-53059-A-3-H MS ^5	Matrix Spike	T	Solid	7471A	
280-53059-A-3-I MSD ^5	Matrix Spike Duplicate	T	Solid	7471A	
Analysis Batch:280-217302					
LCS 280-217062/2-A	Lab Control Sample	T	Solid	7471A	280-217062
MB 280-217062/1-A	Method Blank	T	Solid	7471A	280-217062
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	7471A	280-217062
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	7471A	280-217062
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	7471A	280-217062
280-53059-A-3-H MS ^5	Matrix Spike	T	Solid	7471A	280-217062
280-53059-A-3-I MSD ^5	Matrix Spike Duplicate	T	Solid	7471A	280-217062

Report Basis

T = Total

Client: Waste Management

Job Number: 280-52966-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 280-216678					
HLCS 280-216678/1-A	High Level Control Sample	T	Solid	9012A	
LCS 280-216678/3-A	Lab Control Sample	T	Solid	9012A	
LCSD 280-216678/4-A	Lab Control Sample Duplicate	T	Solid	9012A	
LLCS 280-216678/2-A	Low Level Control Sample	T	Solid	9012A	
MB 280-216678/5-A	Method Blank	T	Solid	9012A	
280-52916-C-10-C MS	Matrix Spike	T	Solid	9012A	
280-52916-C-10-D MSD	Matrix Spike Duplicate	T	Solid	9012A	
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	9012A	
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	9012A	
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	9012A	
Analysis Batch:280-217307					
HLCS 280-216678/1-A	High Level Control Sample	T	Solid	9012A	280-216678
LCS 280-216678/3-A	Lab Control Sample	T	Solid	9012A	280-216678
LCSD 280-216678/4-A	Lab Control Sample Duplicate	T	Solid	9012A	280-216678
LLCS 280-216678/2-A	Low Level Control Sample	T	Solid	9012A	280-216678
MB 280-216678/5-A	Method Blank	T	Solid	9012A	280-216678
280-52916-C-10-C MS	Matrix Spike	T	Solid	9012A	280-216678
280-52916-C-10-D MSD	Matrix Spike Duplicate	T	Solid	9012A	280-216678
280-52966-1	SS-01-2.5 TO 3.0'	T	Solid	9012A	280-216678
280-52966-2	SS-02-2.5 TO 3.0'	T	Solid	9012A	280-216678
280-52966-3	SS-03-2.5 TO 3.0'	T	Solid	9012A	280-216678
Analysis Batch:280-217424					
LCS 280-217476/1-A	Lab Control Sample	S	Solid	9056	
LCSD 280-217476/2-A	Lab Control Sample Duplicate	S	Solid	9056	
MB 280-217476/3-A	Method Blank	S	Solid	9056	
280-52966-1	SS-01-2.5 TO 3.0'	S	Solid	9056	
280-52966-1DU	Duplicate	S	Solid	9056	
280-52966-1MS	Matrix Spike	S	Solid	9056	
280-52966-1MSD	Matrix Spike Duplicate	S	Solid	9056	
280-52966-2	SS-02-2.5 TO 3.0'	S	Solid	9056	
280-52966-3	SS-03-2.5 TO 3.0'	S	Solid	9056	
Prep Batch: 280-217476					
LCS 280-217476/1-A	Lab Control Sample	S	Solid	DI Leach	
LCSD 280-217476/2-A	Lab Control Sample Duplicate	S	Solid	DI Leach	
MB 280-217476/3-A	Method Blank	S	Solid	DI Leach	
280-52966-1	SS-01-2.5 TO 3.0'	S	Solid	DI Leach	
280-52966-1DU	Duplicate	S	Solid	DI Leach	
280-52966-1MS	Matrix Spike	S	Solid	DI Leach	
280-52966-1MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
280-52966-2	SS-02-2.5 TO 3.0'	S	Solid	DI Leach	
280-52966-3	SS-03-2.5 TO 3.0'	S	Solid	DI Leach	

Client: Waste Management

Job Number: 280-52966-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

S = Soluble

T = Total

Client: Waste Management

Job Number: 280-52966-1

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
280-52966-1	SS-01-2.5 TO 3.0'	116	134X	131X	119
280-52966-2	SS-02-2.5 TO 3.0'	99	116	113	102
280-52966-3	SS-03-2.5 TO 3.0'	108	135X	136X	109
MB 280-216793/8		91	111	109	100
LCS 280-216786/2-A		86	108	101	97
280-52916-D-2-B MS		98	111	107	101
280-52916-D-2-C MSD		88	110	111	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	58-140
TOL = Toluene-d8 (Surr)	80-126
BFB = 4-Bromofluorobenzene (Surr)	76-127
DBFM = Dibromofluoromethane (Surr)	75-121

Client: Waste Management

Job Number: 280-52966-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	2FP %Rec	FBP %Rec	TBP %Rec	TPH %Rec	PHL %Rec
280-52966-1	SS-01-2.5 TO 3.0'	69	72	69	79	73	71
280-52966-2	SS-02-2.5 TO 3.0'	59	62	59	81	76	62
280-52966-3	SS-03-2.5 TO 3.0'	65	71	68	81	75	71
MB 280-216946/1-A		69	69	73	73	77	70
LCS 280-216946/2-A		75	78	76	90	84	78
280-52966-3 MS	SS-03-2.5 TO 3.0' MS	63	67	66	79	71	69
280-52966-3 MSD	SS-03-2.5 TO 3.0' MSD	62	64	64	78	71	64

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	50-120
2FP = 2-Fluorophenol	53-120
FBP = 2-Fluorobiphenyl	50-120
TBP = 2,4,6-Tribromophenol	51-120
TPH = Terphenyl-d14	55-120
PHL = Phenol-d5	52-120

Client: Waste Management

Job Number: 280-52966-1

Lab Control Sample - Batch: 280-216786

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 280-216786/2-A	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-216786	Lab File ID:	J1012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/13/2014 2100	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	46.1	92	70 - 135	
1,1-Dichloroethane	50.0	49.6	99	70 - 135	
1,1-Dichloroethene	50.0	50.3	101	79 - 135	
1,2-Dichloropropane	50.0	50.7	101	72 - 121	
1,3-Dichlorobenzene	50.0	48.8	98	69 - 135	
Benzene	50.0	50.9	102	75 - 135	
Bromodichloromethane	50.0	44.2	88	73 - 135	
Carbon tetrachloride	50.0	45.4	91	69 - 138	
Chlorobenzene	50.0	47.8	96	78 - 135	
Chloroform	50.0	46.6	93	73 - 123	
Ethylbenzene	50.0	50.9	102	73 - 125	
Methylene Chloride	50.0	54.1	108	76 - 136	
Tetrachloroethene	50.0	47.9	96	76 - 135	
Toluene	50.0	49.9	100	77 - 122	
trans-1,2-Dichloroethene	50.0	49.2	98	77 - 135	
Trichloroethene	50.0	48.1	96	77 - 135	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	58 - 140
Toluene-d8 (Surr)	108	80 - 126
4-Bromofluorobenzene (Surr)	101	76 - 127
Dibromofluoromethane (Surr)	97	75 - 121

Client: Waste Management

Job Number: 280-52966-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216786

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	280-52916-D-2-B MS	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-216786	Lab File ID:	J1018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.823 g
Analysis Date:	03/13/2014 2307			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-D-2-C MSD	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-216786	Lab File ID:	J1019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.659 g
Analysis Date:	03/13/2014 2328			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	78	93	70 - 135	20	20		
1,1-Dichloroethane	86	101	70 - 135	20	20		
1,1-Dichloroethene	87	100	79 - 135	17	20		
1,2-Dichloropropane	87	102	72 - 121	20	20		
1,3-Dichlorobenzene	63	89	69 - 135	37	20	F1	F2
Benzene	86	102	75 - 135	21	20		F2
Bromodichloromethane	72	86	73 - 135	21	20	F1	F2
Carbon tetrachloride	74	89	69 - 138	21	20		F2
Chlorobenzene	73	91	78 - 135	26	20	F1	F2
Chloroform	80	94	73 - 123	20	20		
Ethylbenzene	77	99	73 - 125	29	20		F2
Methylene Chloride	86	100	76 - 136	18	21		
Tetrachloroethene	72	93	76 - 135	29	20	F1	F2
Toluene	81	98	77 - 122	23	20		F2
trans-1,2-Dichloroethene	79	92	77 - 135	18	20		
Trichloroethene	79	93	77 - 135	20	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	88	58 - 140
Toluene-d8 (Surr)	111	110	80 - 126
4-Bromofluorobenzene (Surr)	107	111	76 - 127
Dibromofluoromethane (Surr)	101	98	75 - 121

Client: Waste Management

Job Number: 280-52966-1

Method Blank - Batch: 280-216793

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 280-216793/8	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	J1009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/13/2014 1940	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.56	5.0
1,1,1-Trichloroethane	ND		0.52	5.0
1,1,2,2-Tetrachloroethane	ND		0.61	5.0
1,1,2-Trichloroethane	ND		0.88	5.0
1,1-Dichloroethane	ND		0.21	5.0
1,1-Dichloroethene	ND		0.59	5.0
1,1-Dichloropropene	ND		0.54	5.0
1,2,3-Trichlorobenzene	ND		0.75	5.0
1,2,3-Trichloropropane	ND		0.81	5.0
1,2,4-Trichlorobenzene	ND		0.73	5.0
1,2,4-Trimethylbenzene	ND		0.58	5.0
1,2-Dibromo-3-Chloropropane	ND		0.60	10
1,2-Dibromoethane	ND		0.52	5.0
1,2-Dichlorobenzene	ND		0.45	5.0
1,2-Dichloroethane	ND		0.70	5.0
1,2-Dichloropropane	ND		0.55	5.0
1,3,5-Trimethylbenzene	ND		0.57	5.0
1,3-Dichlorobenzene	ND		0.48	5.0
1,3-Dichloropropane	ND		0.51	5.0
1,4-Dichlorobenzene	ND		0.78	5.0
2,2-Dichloropropane	ND		0.44	5.0
2-Butanone (MEK)	ND		1.8	20
2-Chlorotoluene	ND		0.51	5.0
2-Hexanone	ND		4.9	20
4-Chlorotoluene	ND		0.78	5.0
4-Isopropyltoluene	ND		0.49	5.0
4-Methyl-2-pentanone	ND		4.4	20
Acetone	ND		5.4	20
Benzene	ND		0.47	5.0
Bromobenzene	ND		0.49	5.0
Bromochloromethane	ND		0.30	5.0
Bromodichloromethane	ND		0.22	5.0
Bromoform	ND		0.23	5.0
Bromomethane	ND		0.50	10
Carbon disulfide	ND		0.42	5.0
Carbon tetrachloride	ND		0.63	5.0
Chlorobenzene	ND		0.54	5.0
Chloroethane	ND		0.89	10
Chloroform	ND		0.29	10
Chloromethane	ND		0.77	10
cis-1,2-Dichloroethene	ND		0.56	2.5
cis-1,3-Dichloropropene	ND		1.3	5.0
Dibromochloromethane	ND		0.57	5.0
Dibromomethane	ND		0.84	5.0
Dichlorodifluoromethane	ND		0.52	10

Client: Waste Management

Job Number: 280-52966-1

Method Blank - Batch: 280-216793

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 280-216793/8	Analysis Batch:	280-216793	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	J1009.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	03/13/2014 1940	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Ethylbenzene	ND		0.67	5.0
Hexachlorobutadiene	ND		0.55	5.0
Isopropylbenzene	ND		0.59	5.0
Methylene Chloride	5.04		1.6	5.0
Naphthalene	0.688	J	0.63	5.0
n-Butylbenzene	ND		0.56	5.0
N-Propylbenzene	ND		0.58	5.0
sec-Butylbenzene	ND		0.77	5.0
Styrene	ND		0.63	5.0
tert-Butylbenzene	ND		0.50	5.0
Tetrachloroethene	ND		0.59	5.0
Toluene	ND		0.69	5.0
trans-1,2-Dichloroethene	ND		0.39	2.5
trans-1,3-Dichloropropene	ND		0.67	5.0
Trichloroethene	ND		0.23	5.0
Trichlorofluoromethane	ND		1.0	10
Vinyl chloride	ND		1.3	5.0
Xylenes (total)	ND		0.61	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	58 - 140
Toluene-d8 (Surr)	111	80 - 126
4-Bromofluorobenzene (Surr)	109	76 - 127
Dibromofluoromethane (Surr)	100	75 - 121

Method Blank TICs- Batch: 280-216793

Cas Number	Analyte	RT	Est. Result (ug/K	Qual
72218-58-7	3-Methylheptyl acetate	14.11	17.2	T J N
	Unknown	13.81	11.2	T J
	Unknown	10.02	5.47	T J
	Unknown	4.43	6.30	T J
	Unknown	11.20	9.54	T J

Client: Waste Management

Job Number: 280-52966-1

Method Blank - Batch: 280-216946

Method: 8270C
Preparation: 3550C

Lab Sample ID:	MB 280-216946/1-A	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-216946	Lab File ID:	B2-4697.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.5 g
Analysis Date:	03/18/2014 1039	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	ND		27	330
1,4-Dichlorobenzene	ND		13	330
2,2'-oxybis[1-chloropropane]	ND		22	330
2,4,5-Trichlorophenol	ND		9.5	330
2,4,6-Trichlorophenol	ND		9.5	330
2,4-Dichlorophenol	ND		9.5	330
2,4-Dimethylphenol	ND		63	330
2,4-Dinitrophenol	ND		320	1600
2,4-Dinitrotoluene	ND		63	330
2,6-Dinitrotoluene	ND		27	330
2-Chloronaphthalene	ND		9.5	330
2-Chlorophenol	ND		20	330
2-Methylnaphthalene	ND		18	330
2-Methylphenol	ND		12	330
2-Nitroaniline	ND		48	1600
2-Nitrophenol	ND		9.5	330
3 & 4 Methylphenol	ND		31	330
3,3'-Dichlorobenzidine	ND		86	660
3-Nitroaniline	ND		70	1600
4,6-Dinitro-2-methylphenol	ND		310	1600
4-Bromophenyl phenyl ether	ND		18	330
4-Chloro-3-methylphenol	ND		63	330
4-Chloroaniline	ND		78	330
4-Chlorophenyl phenyl ether	ND		20	330
4-Nitroaniline	ND		69	1600
4-Nitrophenol	ND		92	1600
Acenaphthene	ND		9.8	330
Acenaphthylene	ND		16	330
Acetophenone	ND		19	330
Anthracene	ND		16	330
Atrazine	ND		35	330
Benzidine	ND		940	3300
Benzo[a]anthracene	ND		19	330
Benzo[a]pyrene	ND		19	330
Benzo[b]fluoranthene	ND		25	330
Benzo[g,h,i]perylene	ND		15	330
Benzo[k]fluoranthene	ND		38	330
Bis(2-chloroethoxy)methane	ND		22	330
Bis(2-chloroethyl)ether	ND		16	330
Bis(2-ethylhexyl) phthalate	ND		44	330
Butyl benzyl phthalate	ND		41	330
Caprolactam	ND		100	1600
Carbazole	ND		34	330
Chrysene	ND		26	330
Cresols, Total	ND		12	330

Client: Waste Management

Job Number: 280-52966-1

Method Blank - Batch: 280-216946

Method: 8270C
Preparation: 3550C

Lab Sample ID:	MB 280-216946/1-A	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-216946	Lab File ID:	B2-4697.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.5 g
Analysis Date:	03/18/2014 1039	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Dibenz(a,h)anthracene	ND		18	330
Dibenzofuran	ND		19	330
Diethyl phthalate	ND		25	660
Dimethyl phthalate	61.1	J	22	330
Di-n-butyl phthalate	ND		28	330
Di-n-octyl phthalate	ND		14	330
Fluoranthene	ND		34	330
Fluorene	ND		17	330
Hexachlorobenzene	ND		28	330
Hexachlorobutadiene	ND		9.5	330
Hexachlorocyclopentadiene	ND		48	1600
Hexachloroethane	ND		20	330
Indeno[1,2,3-cd]pyrene	ND		21	330
Naphthalene	ND		30	330
Nitrobenzene	ND		21	330
N-Nitrosodi-n-propylamine	ND		30	330
n-Nitrosodiphenylamine(as diphenylamine)	ND		20	330
Pentachlorophenol	ND		310	1600
Phenanthrene	ND		16	330
Phenol	ND		17	330
Pyrene	ND		12	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	69	50 - 120
2-Fluorophenol	69	53 - 120
2-Fluorobiphenyl	73	50 - 120
2,4,6-Tribromophenol	73	51 - 120
Terphenyl-d14	77	55 - 120
Phenol-d5	70	52 - 120

Client: Waste Management

Job Number: 280-52966-1

Lab Control Sample - Batch: 280-216946

Method: 8270C
Preparation: 3550C

Lab Sample ID:	LCS 280-216946/2-A	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-216946	Lab File ID:	B2-4698.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.1 g
Analysis Date:	03/18/2014 1110	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	2660	2000	75	52 - 120	
1,4-Dichlorobenzene	2660	1930	72	52 - 120	
2,4,5-Trichlorophenol	2660	2080	78	64 - 120	
2,4,6-Trichlorophenol	2660	2120	80	61 - 120	
2,4-Dinitrotoluene	2660	2330	88	68 - 120	
2-Chlorophenol	2660	2090	79	57 - 120	
2-Methylnaphthalene	2660	2050	77	57 - 120	
2-Methylphenol	2660	2040	77	56 - 120	
4-Chloro-3-methylphenol	2660	2090	79	63 - 120	
4-Nitrophenol	5320	4490	84	63 - 121	
Acenaphthene	2660	1970	74	60 - 120	
Anthracene	2660	2090	79	63 - 120	
Carbazole	2660	2190	82	64 - 120	
N-Nitrosodi-n-propylamine	2660	1990	75	51 - 120	
Pentachlorophenol	5320	4130	78	56 - 120	
Phenol	2660	2070	78	56 - 120	
Pyrene	2660	2140	81	64 - 120	

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	75	50 - 120
2-Fluorophenol	78	53 - 120
2-Fluorobiphenyl	76	50 - 120
2,4,6-Tribromophenol	90	51 - 120
Terphenyl-d14	84	55 - 120
Phenol-d5	78	52 - 120

Client: Waste Management

Job Number: 280-52966-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216946

Method: 8270C
Preparation: 3550C

MS Lab Sample ID:	280-52966-3	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-216946	Lab File ID:	B2-4707.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.2 g
Analysis Date:	03/18/2014 1546			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-52966-3	Analysis Batch:	280-217203	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-216946	Lab File ID:	B2-4708.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.7 g
Analysis Date:	03/18/2014 1616			Final Weight/Volume:	1 mL
Prep Date:	03/14/2014 1730			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	64	61	52 - 120	2	30		
1,4-Dichlorobenzene	59	59	52 - 120	1	30		
2,4,5-Trichlorophenol	72	72	64 - 120	1	30		
2,4,6-Trichlorophenol	73	72	61 - 120	0	30		
2,4-Dinitrotoluene	76	76	68 - 120	2	30		
2-Chlorophenol	69	65	57 - 120	4	30		
2-Methylnaphthalene	68	64	57 - 120	4	30		
2-Methylphenol	71	65	56 - 120	6	30		
4-Chloro-3-methylphenol	72	70	63 - 120	1	30		
4-Nitrophenol	72	71	63 - 121	1	30		
Acenaphthene	66	65	60 - 120	0	30		
Anthracene	68	67	63 - 120	0	30		
Carbazole	70	70	64 - 120	1	30		
N-Nitrosodi-n-propylamine	66	63	51 - 120	4	30		
Pentachlorophenol	67	71	56 - 120	7	30		
Phenol	71	66	56 - 120	6	30		
Pyrene	70	69	64 - 120	1	38		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Nitrobenzene-d5	63	62	50 - 120
2-Fluorophenol	67	64	53 - 120
2-Fluorobiphenyl	66	64	50 - 120
2,4,6-Tribromophenol	79	78	51 - 120
Terphenyl-d14	71	71	55 - 120
Phenol-d5	69	64	52 - 120

Client: Waste Management

Job Number: 280-52966-1

Method Blank - Batch: 280-217062

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 280-217062/1-A	Analysis Batch:	280-217302	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-217062	Lab File ID:	140317taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.6 g
Analysis Date:	03/17/2014 1722	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1300				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		5.5	17

Lab Control Sample - Batch: 280-217062

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 280-217062/2-A	Analysis Batch:	280-217302	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-217062	Lab File ID:	140317taa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.6 g
Analysis Date:	03/17/2014 1725	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1300				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	417	439	105	87 - 111	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-217062

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	280-53059-A-3-H MS ^5	Analysis Batch:	280-217302	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-217062	Lab File ID:	140317taa.txt
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	03/17/2014 2050			Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1300				
Leach Date:	N/A				

MSD Lab Sample ID:	280-53059-A-3-I MSD ^5	Analysis Batch:	280-217302	Instrument ID:	MT_034
Client Matrix:	Solid	Prep Batch:	280-217062	Lab File ID:	140317taa.txt
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.61 g
Analysis Date:	03/17/2014 2052			Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1300				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	101	152	87 - 111	18	20		F1

Client: Waste Management

Job Number: 280-52966-1

Method Blank - Batch: 280-216678

Method: 9012A
Preparation: 9012A

Lab Sample ID:	MB 280-216678/5-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.10	0.50

High Level Control Sample - Batch: 280-216678

Method: 9012A
Preparation: 9012A

Lab Sample ID:	HLCS 280-216678/1-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1154	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	20.0	20.4	102	90 - 110	

Low Level Control Sample - Batch: 280-216678

Method: 9012A
Preparation: 9012A

Lab Sample ID:	LLCS 280-216678/2-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1156	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	5.00	5.26	105	51 - 150	

Client: Waste Management

Job Number: 280-52966-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-216678

Method: 9012A
Preparation: 9012A

LCS Lab Sample ID:	LCS 280-216678/3-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1157	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-216678/4-A	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	03/18/2014 1159	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cyanide, Total	102	104	90 - 110	2	10		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-216678

Method: 9012A
Preparation: 9012A

MS Lab Sample ID:	280-52916-C-10-C MS	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.99 g
Analysis Date:	03/18/2014 1227			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

MSD Lab Sample ID:	280-52916-C-10-D MSD	Analysis Batch:	280-217307	Instrument ID:	WC_Alp 1
Client Matrix:	Solid	Prep Batch:	280-216678	Lab File ID:	C:\FLOW_4\C031814.RST
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.97 g
Analysis Date:	03/18/2014 1229			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0913				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyanide, Total	66	74	90 - 110	13	10	F1	F1 F2

Client: Waste Management

Job Number: 280-52966-1

Method Blank - Batch: 280-217424

Method: 9056
Preparation: N/A

Lab Sample ID:	MB 280-217476/3-A	Analysis Batch:	280-217424	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	39.0000.d
Dilution:	1.0	Leach Batch:	280-217476	Initial Weight/Volume:	5 mL
Analysis Date:	03/20/2014 0026	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	03/19/2014 1507				

Analyte	Result	Qual	MDL	RL
Nitrite as N-Soluble	ND		0.34	5.0

Method Reporting Limit Check - Batch: 280-217424

Method: 9056
Preparation: N/A

Lab Sample ID:	MRL 280-217424/12	Analysis Batch:	280-217424	Instrument ID:	WC_IonChrom6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	10.0000.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/19/2014 1304	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrite as N-Soluble	0.200	0.183	92	50 - 150	J

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-217424

Method: 9056
Preparation: N/A

LCS Lab Sample ID:	LCS 280-217476/1-A	Analysis Batch:	280-217424	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	37.0000.d
Dilution:	1.0	Leach Batch:	280-217476	Initial Weight/Volume:	5 mL
Analysis Date:	03/19/2014 2352	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				1 uL
Leach Date:	03/19/2014 1507				
LCSD Lab Sample ID:	LCSD 280-217476/2-A	Analysis Batch:	280-217424	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	38.0000.d
Dilution:	1.0	Leach Batch:	280-217476	Initial Weight/Volume:	5 mL
Analysis Date:	03/20/2014 0009	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				1 uL
Leach Date:	03/19/2014 1507				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Nitrite as N-Soluble	103	104	90 - 110	1	10		

Client: Waste Management

Job Number: 280-52966-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-217424

Method: 9056
Preparation: N/A

MS Lab Sample ID:	280-52966-1	Analysis Batch:	280-217424	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	42.0000.d
Dilution:	1.0	Leach Batch:	280-217476	Initial Weight/Volume:	5 mL
Analysis Date:	03/20/2014 0118			Final Weight/Volume:	5 mL
Prep Date:	N/A				1 uL
Leach Date:	03/19/2014 1507				

MSD Lab Sample ID:	280-52966-1	Analysis Batch:	280-217424	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	43.0000.d
Dilution:	1.0	Leach Batch:	280-217476	Initial Weight/Volume:	5 mL
Analysis Date:	03/20/2014 0136			Final Weight/Volume:	5 mL
Prep Date:	N/A				1 uL
Leach Date:	03/19/2014 1507				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Nitrite as N-Soluble	109	109	80 - 120	1	20		

Duplicate - Batch: 280-217424

Method: 9056
Preparation: N/A

Lab Sample ID:	280-52966-1	Analysis Batch:	280-217424	Instrument ID:	WC_IonChrom6
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	41.0000.d
Dilution:	1.0	Leach Batch:	280-217476	Initial Weight/Volume:	5 mL
Analysis Date:	03/20/2014 0101	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				1 uL
Leach Date:	03/19/2014 1507				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Nitrite as N-Soluble	ND	ND	NC	15	

Chain o Custod

280-52966 Chain of Custody

Sampler ID _____

Temperature on Receipt 3.7 FRSTO2 JK 3-12-14

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124-280 (0508)

Client: Waste Management	Project Manager: J Davendonis	Date: 3/11/14	Chain of Custody Number: 150545
Address: 13469 SW Highway 18	Telephone Number (Area Code)/Fax Number: 503 639 9548	Lab Number	Page 1 of 1
City: McMinnville; State: OR; Zip Code: 97128	Site Contact: J O'Leary	Lab Contact: B. Sara	
Project Name and Location (State): Special Event	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

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	Analysis (Attach list if more space is needed): 82606	8270	7471a	8082a	9056	Special Instructions/ Conditions of Receipt
SS-01-2.5 to 3.0'	3/10/14	1415				X	4						X	X	X	X	X	
SS-02-2.5 to 3.0'	3/10/14	1425				X	4						X	X	X	X	X	
SS-03-2.5 to 3.0'	3/10/14	1445				X	4						X	X	X	X	X	

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)

1. Relinquished By: B McMullen	Date: 3/11/14	Time: 1600	1. Received By: Stephanie O'Toole	Date: 3/12/14	Time: 0950
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 280-52966-1

Login Number: 52966

List Source: TestAmerica Denver

List Number: 1

Creator: O'Tormey, Stephanie R

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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?	False	FIELD LEFT BLANK
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.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	